Oracle® Cloud

PaaS Service Manager Command Line Interface Reference

E73625-43
April 2024

Oracle Cloud PaaS Service Manager Command Line Interface Reference,

E73625-43

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1

About the PaaS Service Manager Command Line Interface

Oracle PaaS Service Manager provides a command line interface (CLI) with which you can manage the lifecycle of various platform services in Oracle Cloud.

The CLI is a thin wrapper over PaaS REST APIs that invokes these APIs to support common PaaS features; for example, creating and managing instances for Oracle Java Cloud Service, Oracle Database Cloud Service instances, and Oracle MySQL Cloud Service or creating and managing applications with Oracle Application Container Cloud Service. The CLI also supports Oracle Cloud Stack Manager, a PaaS tool that automates the provisioning and deletion of cloud environments.

About this Document

This reference provides an alphabetical listing, by service, of all CLI commands. It provides a description of each command along with its required syntax and a description of the parameters accepted by the command. All parameters listed are required unless otherwise specified. Each command also shows a real-life example, with resultant output. Where appropriate, you'll find links to conceptual information for the task performed by the command and to its analogous REST API. As new PaaS services implement the CLI, they will be added to this reference.

Workflow for Using the CLI

The CLI is a service-agnostic tool available by download from Oracle. Once installed, you need to configure your connection to the Oracle cloud.

Task	More Information
Perform prerequisite tasks	Performing Prerequisite tasks for the Command Line Interface
Download the CLI	Downloading the Command Line Interface
Install the CLI	Installing the Command Line Interface
Configure the CLI	Configuring the Command Line Interface

Task	More Information
Use the CLI for your service	• Oracle Application Container Cloud Service • Oracle Analytics Cloud - Classic • Oracle Analytics Cloud • Oracle Analytics Cloud Subscription • Oracle Big Data Cloud Service - Compute Edition • Oracle Database Cloud Service • Oracle Java Cloud Service • Oracle MySQL Cloud Service • Oracle Cloud Stack Manager **Note:** A `help` command that provides basic instructions for each command is also available. See Viewing Help for the Command Line Interface.
Update the CLI	Updating the Command Line Interface

2
Using the Command Line Interface

Oracle offers a PaaS Service Manager (PSM) Command Line Interface (CLI) that enables you to create, monitor and manage services from a command shell or script.

Topics:

- Performing Prerequisite Tasks for the Command Line Interface
- Downloading the Command Line Interface
- Installing the Command Line Interface
- Configuring the Command Line Interface
- Viewing Help for the Command Line Interface
- Updating the Command Line Interface

Performing Prerequisite Tasks for the Command Line Interface

Before downloading and installing the CLI, install cURL and Python on your machine if they are not already installed. The Python installation steps vary by operating system.

Prerequisites for CLI installation and configuration are:

- cURL command-line tool.
- Python 3.3 or later.

1. Install cURL.

   cURL is an open source, command-line tool for transferring data with URL syntax, supporting various protocols including HTTP and HTTPs.

   a. In your browser, navigate to the cURL home page at http://curl.haxx.se and click **Download** in the navigation menu.

   b. On the cURL Releases and Downloads page, locate the SSL-enabled version of the cURL software that corresponds to your operating system, click the link to download the ZIP file, and extract the executable to the desired folder.

2. If you are running Windows, follow these steps to install Python 3.3 or later.

   If you are running Linux, **skip to step 3**.

   a. Launch a Windows command prompt.

   b. Determine the version of Python you currently have installed on your machine.

   ```
   python --version
   ```

   c. Download the Python Windows installation executable from python.org.

   d. Launch the installer. For example:

   ```
   python-3.6.5.exe
   ```

The Python installation wizard displays.

e. Select the check box **Add Python to PATH**. Then click **Install Now**.

f. When the installation has finished, proceed to Downloading the Command Line Interface.

3. If you are running Linux, follow these steps to install Python 3.3 or later.

a. Launch a Linux terminal.

b. Determine the version of Python you currently have installed on your machine.

```
python --version
```

c. Download the Python **source code archive** from python.org.

d. Extract the archive and change directories to the destination folder. For example:

```
tar xf Python-3.5.1.tar.xz
cd Python-3.5.1
```

e. Create a home directory for the Python installation. For example:

```
mkdir /u01/python
```

f. Build and install Python to your Python home directory:

```
./configure --prefix=/u01/python
make
make install
```

> **Note:**
>
> The Python source installation requires the following Linux OS packages to be installed: `gcc` and `openssl-devel`. If `openssl-devel` is not available Python will not install the PIP tool.

g. Add your Python installation's `bin` directory to the `PATH` environment variable.

For example, add the following line to the end of `~/.bash_profile`:

```
export PATH=/u01/python/bin:$PATH
```

Note:

This topic applies only to Oracle Cloud at Customer.

On Oracle Cloud at Customer, after installing Python and the CLI, you will get an error message:

```
psm command not found
```

To avoid this issue, after installing Python, you must downgrade to PIP version 9.x.x. Run these three commands to perform the PIP downgrade:

```
python -m pip uninstall pip
python -m ensurepip
python -m pip install -U "pip<10"
```

Downloading the Command Line Interface

You can download the PSM Command Line Interface either from the Oracle Cloud Console or from the command line by using a REST API.

- Downloading the CLI from the Oracle Cloud User Interface.
- Download the CLI by using a REST API.

Downloading the CLI from Oracle Cloud Console

You can download the CLI zip file from Oracle Cloud console.

1. On Oracle Cloud Console, on the top right click the profile icon and select **Service User Console**.
2. On the Cloud My Home page, select your service. For example, select Oracle Java Cloud Service.
3. Click the user icon in the top right corner to open the context menu.
4. Select **Help** and then select **Download Center**.

   The **Download Center** dialog appears. The CLI option is indicated by the CLI icon ( ).
5. Click the download control adjacent to the CLI description text ( ).

   The `psmcli.zip` file downloads to your machine and is ready for installation.

Downloading the CLI by Using the REST API

Use a REST API to download the CLI as an archive from the Oracle Cloud.

1. Obtain your cloud account information:
   a. User name and password
   b. Identity domain ID

   > **Note:**
   >
   > If your account administrator has changed the identity domain name, you must still specify the identity domain ID when using the REST API. For example, if the original identity domain name was `MyIdentityDomain54321` and it was changed to `MyIdentityDomain`, you must use `MyIdentityDomain54321` in the REST endpoints.

2. Identify your REST API server name:
   - If you log in to your Oracle cloud account with a US data center, use `psm.us.oraclecloud.com`
   - If you log in to your Oracle cloud account with the aucom region, use `psm.aucom.oraclecloud.com`
   - Otherwise, use `psm.europe.oraclecloud.com`
3. Use cURL to send a request to the URL `https://<rest-server>/paas/api/v1.1/cli/<identitydomain>/client`. Write the response to a file named `psmcli.zip`. Provide the following information:
   - Your REST API server name
   - Your Oracle cloud user name and password
   - Your identity domain ID (as the HTTP header `X-ID-TENANT-NAME` and as part of the URL)

   For example:

   ```
   curl -X GET -u myuser321:password -H X-ID-TENANT-
   NAME:MyIdentityDomain54321 https://psm.us.oraclecloud.com/paas/api/
   v1.1/cli/MyIdentityDomain54321/client -o psmcli.zip
   ```

Installing the Command Line Interface

Install the PaaS CLI as a Python package.

Use the PIP tool `pip3` to install the CLI Python package.

- On Windows:

  ```
  pip3 install -U psmcli.zip
  ```

- On Linux:

  ```
  sudo –H pip3 install -U psmcli.zip
  ```

> **Note:**
>
> On Linux, the `sudo` command is required in order to install a Python package with PIP if you installed PIP as the `root` user and to the default file system destination.

> **Note:**
>
> If your machine requires a proxy server in order to connect to the Internet, set the `http_proxy` and `https_proxy` environment variables prior to running PIP.
>
> Windows example:
>
> ```
> set http_proxy=http://myproxy.example.com:80
> set https_proxy=https://myproxy.example.com:80
> ```
>
> Linux example:
>
> ```
> export http_proxy=http://myproxy.example.com:80
> export https_proxy=https://myproxy.example.com:80
> ```

Configuring the Command Line Interface

Prior to running CLI commands, configure your connection to the Oracle Cloud.

Basic Configuration

1. Run the `setup` command.

   ```
   psm setup
   ```

2. When prompted, enter your cloud user name, password, and identity domain.

   For example:

   ```
   Username: myuser321
   Password:
   Retype Password:
   Identity domain: MyIdentityDomain54321
   ```

> **Note:**
>
> If you are configuring your CLI for use with Identity Cloud Service (IDCS), you need to enter your IDCS tenant name rather than your identity domain. The IDCS tenant name is usually a lengthy string of characters preceded by a service ID, for example, idcs-6********. To find your IDCS tenant name:
>
> a. From your **My Services** dashboard, click **Identity Cloud.**
>
> b. In the **Service Instances** section of the service page, hover over the **Service Instance URL** and copy the link location. The tenant name begins with the characters **idcs-** and then is followed by a string of numbers and letters, for example, `idcs-6********.identity.oraclecloud.com`.
>
> Alternatively, the Oracle Identity Cloud Service tenant name appears in the browser URL when you click **My Services** to log in or if you click **Open Admin Console** from the **Service Instances** section.

3. Enter your cloud data center region based on the REST API server that you identified earlier:
   - If your REST API server contains the text `emea` , enter `emea`.
   - If your REST API server contains the text `aucom` , enter `aucom`.
   - Otherwise accept the default value, `us` .

   For example:

```
Region [us]: emea
```

> **Note:**
>
> This topic applies only to Oracle Cloud at Customer.
> Using Oracle Cloud at Customer you must specify a URL to the Oracle Cloud at Customer machine (https://*example.com*) a hostname instead of a region name.

4. Enter your preferred output format or accept the default value:
   - `short` (this is the default); this output displays only a few important properties:

```
 Service:                    JCS1
 Status:                     Ready
 Version:                    12.2.1.2.171220
 Edition:                    Enterprise Edition
 Compute Site:               N/A
 Cloud Storage Container:    https://
ocloud.storage.oraclecloud.com/v1/Storage-ocloud/JCS
 Created On:                 2018-02-21T17:43:02.955+0000
```

- `json`; this output appears in a standard JSON format:

```
{
    "serviceId":529421,
    "serviceUuid":"***",
    "serviceLogicalUuid":"***",
    "serviceName":"JCS1",
    "serviceType":"JaaS",
    "domainName":"idcs-***",
    "serviceVersion":"12cRelease212",
    "releaseVersion":"12.2.1.2.171220",
    "baseReleaseVersion":"12.2.1.2.171220",
    "metaVersion":"18.2.2-1805081521",
    "serviceLevel":"PAAS",
    "subscription":"HOURLY",
    "meteringFrequency":"HOURLY",
    "edition":"EE",
    "totalSSDStorage":0,
    "storageContainer":"https://ocloud.storage.oraclecloud.com/v1/
Storage-ocloud/JCS",
    "state":"READY",
    "serviceStateDisplayName":"Ready",
    "clone":false,
    "creator":"example_name@oracle.com",
    "creationDate":"2018-02-21T17:43:02.955+0000",
    "serviceEntitlementId":"****",
    "isBYOL":false,
    "isSharedManaged":false,
    "isNonSharedmanaged":false,
    "isDefaultManaged":false,
    "isManaged":false,
    "isOAuthForStorageConfigured":false,
    "iaasProvider":"NIMBULA",
    "attributes":{
.
.
.
```

- `html` ; this produces HTML that you can redirect to a file or copy and then paste to a file:

serviceId	529421
serviceUuid	*****
serviceLogicalUuid	*****
serviceName	JCS1
serviceType	JaaS
domainName	idcs-*****
serviceVersion	12cRelease212
releaseVersion	12.2.1.2.171220
baseReleaseVersion	12.2.1.2.171220
metaVersion	18.2.2-1805081521
serviceLevel	PAAS
subscription	HOURLY
meteringFrequency	HOURLY
edition	EE
totalSSDStorage	0
storageContainer	https://ocloud.storage.oraclecloud.com/v1/Storage-ocloud/JCS
state	READY
serviceStateDisplayName	Ready
clone	False
creator	name@oracle.com
creationDate	2018-02-21T17:43:02.955+0000
serviceEntitlementId	588077784
isBYOL	False
isSharedManaged	False
isNonSharedmanaged	False
isDefaultManaged	False
isManaged	False
isOAuthForStorageConfigured	False
iaasProvider	NIMBULA
attributes	
FMW_ROOT	
displayName	Open Fusion Middleware Control Console
type	URL
value	https://xxx.xxx.xx.xxx:xxxx/em
displayValue	https://xxx.xxx.xx.xxx:xxxx/em
isKeyBinding	True
SAMPLE_ROOT	

For example:

```
Output format [short]: json
```

5. If you want to communicate with the PSM REST API over Oauth, at the `Use OAuth?` prompt type `y`.

   - If you select the default (`n`), communication between the CLI and the REST API will continue to use basic authorization.
   - If you select `y`, you will be further prompted for your OAuth credentials, specifically your Client ID and Client Secret (the Access Token Server is derived from the identity domain and the prompt is optional).

     To obtain the OAuth credentials see Obtaining and Using an OAuth Token for Platform Services

     Enter a URL (only if you are using a different server):

     ```
     Use OAuth? [n]: y
     Client ID: myPlatApp-ccact-xxxxxxxxxx_APPID
     Client Secret: def21eb7-xxxxxxxxxx-21c1234f08f5
     Access Token Server [default]: https://
     example.identity.example.com/oauth2/v1/token
     ```

After the CLI successfully connects to the Oracle Cloud, it will list the available services in this cloud account. For example:

```
-----------------------------------------------------
'psm setup' was successful. Available services are:
  o JaaS : Oracle Java Cloud Service
  o accs : Oracle Application Container Cloud Service
  o dbcs : Oracle Database Cloud Service
  o elasticSearch : Oracle Elasticsearch Service
  o stack : Oracle Cloud Stack Manager
.
.
.
-----------------------------------------------------
```

> **Note:**
>
> You can further customize the output level for all CLI commands with the `log` command. The default level is `info`.

Configuring the CLI by Using a Profile

You can create different profiles as JSON files, based on region, credentials, identity domain , and so on and quickly configure your CLI client by passing the profile as a payload. This is helpful if you have multiple configuration profiles (for example, one for each account) as you can use the appropriate profile to access any account. By using profiles, you also avoid the prompt-by-prompt routine described above.

To facilitate passing a profile as a payload, use the `--config-payload` (`-c`) parameter with `psm setup`:

```
$ psm setup -c|--config-payload pathToPayloadFile
```

For example:

```
psm setup -c /home/templates/psm-setup-payload.json
```

Payload Format

The profile payload takes this format:

```
{
    "username":"john.smith@example.com",
    "password":"password",
    "identityDomain":"jsId002",
    "region":"emea",
    "outputFormat":"json",
    "oAuth":{
        "clientId":"",
        "clientSecret":"",
        "accessTokenServer":""
```

```
    }
}
```

The parameters are described here. All fields are required unless otherwise noted.

Parameter	Description
`username`	Username for the account.
`password`	Password associated with the specified username.
`identityDomain`	Identity domain associated with the specified user.
`region`	(Optional) The cloud data center region based on the REST API server. If your REST API server contains the text `emea` , enter `emea`. If your REST API server contains the text `aucom` , enter `aucom`. Otherwise you can leave this parameter blank. **Default:** `us`
`outputFormat`	(Optional) Your preferred output format. **Accepted values:** `short, json, html` (For a description of these formats, see Step 4 in Configuring the Command Line Interface.) **Default:** `short`
`oAuth:clientId`	(Optional; only required if you want to communicate with the PSM REST API over OAuth) The OAuth client ID from the specific OAuth account.
`oAuth:clientSecret`	(Optional; only required if you want to communicate with the PSM REST API over OAuth) The client secret associated with the specified OAuth account.
`oAuth:accessTokenServer`	(Optional; only required if you want to communicate with the PSM REST API over OAuth) The access token server for the specified OAuth account. This value is derived from the identity domain and the prompt is optional. Note: You do not need to use this parameter.

To obtain the OAuth credentials see Obtaining and Using an OAuth Token for Platform Services.

Viewing Help for the Command Line Interface

The CLI provides help text for each available command.

Use the `help` (or `h`) parameter to:

- View the available services in your configured cloud account. For example:

  ```
  $ psm help
  ```

  Response:

  ```
  DESCRIPTION
    A command line tool to interact with Oracle Cloud Platform
  Services (PaaS)

  SYNOPSIS
    psm [parameters]
  ```

```
AVAILABLE SERVICES
  o ANALYTICS
      Oracle Analytics Cloud
  o APICS
      Oracle API Platform Cloud Service
  o APICatalog
      Oracle API Catalog Service
  o BDCSCE
      Oracle Big Data Cloud Service - Compute Edition
  o BOTSCFG
      Oracle Bots Configuration Service
  o BOTSCON
      Oracle Bots Connector Service
  o BOTSINT
      Oracle Bots Intent Service
  o BOTSMGM
      Oracle Bots Management API Service
  o BOTSPIP
      Oracle Bots Pipeline Service
  o BigDataAppliance
      Oracle Big Data Cloud Service
  o CONTAINER
      Oracle Container Cloud Service
  o CXAANA
      Oracle CxA Analytics Service
  o CXACFG
      Oracle CxA Configuration Service
  o CXACOL
      Oracle CxA Collector Service
  o CXAPOD
      Oracle CxA Pod Cloud Service
  o DHCS
      Oracle Data Hub Cloud Service
  o IDCS
      Oracle Identity Cloud Service
  o IDCSControlPlane
      Oracle Identity Cloud Service
  o IOTAssetMon
      Oracle IoT Asset Monitoring Cloud Service
  o IOTConnectedWrker
      Oracle IoT Connected Worker Cloud Service
  o IOTEnterpriseApps
      Oracle Internet of Things Cloud - Enterprise
  o IOTFleetMon
      Oracle IoT Fleet Monitoring Cloud Service
  o IOTProdMonitoring
      Oracle IoT Production Monitoring Cloud Service
  o IOTSvcAsset
      Oracle IoT Asset Monitoring CX Cloud Service
  o IntegrationCloud
      Oracle Integration Cloud
  o JaaS
      Oracle Java Cloud Service
  o MobileCCC
```

```
        Oracle Mobile Custom Code Container
  o MobileCorePOD
        Oracle Mobile Core POD
  o MySQLCS
        Oracle MySQL Cloud Service
  o OAICS
        Oracle Adaptive Intelligence Applications Offers Cloud
Service
  o OEHCS
        Oracle Event Hub Cloud Service - Topics
  o OEHPCS
        Oracle Event Hub Cloud Service - Platform
  o OMCE
        Oracle Mobile Cloud Metering Service
  o SOA
        Oracle SOA Cloud Service
  o VisualBuilder
        Oracle Visual Builder Cloud Service
  o accs
        Oracle Application Container Cloud Service
  o caching
        Oracle Application Cache
  o dbcs
        Oracle Database Cloud Service
  o dics
        Oracle Data Integration Platform Cloud Service
  o ggcs
        Oracle GoldenGate Cloud Service
  o stack
        Oracle Cloud Stack Manager
  o stackvm
        Oracle Stack VM.
```

- View the available commands for a service.

  ```
  psm jcs help
  psm dbcs help
  ```

- View the available parameters for a specific command along with examples.

  ```
  psm jcs create-service help
  psm jcs scale-up help
  psm dbcs start help
  ```

For more details on using the help command, see psm help.

Updating the Command Line Interface

Update your CLI installation when a new version is available in order to ensure that you have access to the latest features.

Use the `--version` (or `–v`) parameter to determine the current version of your CLI installation. For example:

```
> psm --version
psm client - version 1.1.2
```

If a new version of the CLI is available, the following warning message is displayed when you run any CLI command:

```
WARNING: A new version of psm client is available. Please run 'psm update'
to update to the latest version.
```

Use the `update` command to update the CLI to the newer version:

```
psm update
```

> **Note:**
>
> Each time your run the CLI it automatically discovers and updates its configuration with the latest services, commands and parameters that are available to your cloud account.

3
psm Shared Commands

This chapter describes the commands in the command-line interface that are shared between all services.

Category	Commands
Root	psm – The root command, with an option that lists the command-line interface version.
Configuration	psm cleanup – Removes configured psm client options without confirmation. psm setup – Connects your installation of the command-line interface to your Oracle Cloud identity domain. psm update – Upgrades your installation of the command-line interface to the latest version.
Information	psm help – Displays help for each level of the `psm` command. psm log – Displays or updates the log level of the command-line interface.

psm

This is the root command of the command-line interface.

Syntax

```
psm [service] [command] [-v|--version]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-v`, `--version`	(Optional) Version of the command-line interface.

Example

```
$ psm -v
psm client - version 1.1.2
```

psm cleanup

This command removes all configured psm client options. Unless otherwise specified, you will be asked to confirm this action.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm cleanup
   [-f|--force true|false}
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-f|--force`	(Optional) Removes configured psm client options without confirmation. **Accepted values:** `true`, `false`

Example

```
$ psm cleanup
```

Response:

```
All configuration and data created by 'psm setup' will be removed.
Proceed (y/n)?
```

psm help

This command displays help for each level of the `psm` command.

Syntax

```
psm [service] [command] h|help
```

Parameters

This command has no parameters.

Examples

To see a list of all services available to this CLI:

```
$ psm help
```

Response:

```
DESCRIPTION
  A command line tool to interact with Oracle Cloud Platform Services
(PaaS)

SYNOPSIS [parameters]
  psm <service> <command>
```

```
AVAILABLE SERVICES
  o ANALYTICS
       Oracle Analytics Cloud
  o APICS
       Oracle API Platform Cloud Service
  o APICatalog
       Oracle API Catalog Service
  o BDCSCE
       Oracle Big Data Cloud Service - Compute Edition
  o BOTSCFG
       Oracle Bots Configuration Service
  o BOTSCON
       Oracle Bots Connector Service
  o BOTSINT
       Oracle Bots Intent Service
  o BOTSMGM
       Oracle Bots Management API Service
  o BOTSPIP
       Oracle Bots Pipeline Service
  o BigDataAppliance
       Oracle Big Data Cloud Service
  o CONTAINER
       Oracle Container Cloud Service
  o CXAANA
       Oracle CxA Analytics Service
  o CXACFG
       Oracle CxA Configuration Service
  o CXACOL
       Oracle CxA Collector Service
  o CXAPOD
       Oracle CxA Pod Cloud Service
  o DHCS
       Oracle Data Hub Cloud Service
  o IDCS
       Oracle Identity Cloud Service
  o IDCSControlPlane
       Oracle Identity Cloud Service
  o IOTAssetMon
       Oracle IoT Asset Monitoring Cloud Service
  o IOTConnectedWrker
       Oracle IoT Connected Worker Cloud Service
  o IOTEnterpriseApps
       Oracle Internet of Things Cloud - Enterprise
  o IOTFleetMon
       Oracle IoT Fleet Monitoring Cloud Service
  o IOTProdMonitoring
       Oracle IoT Production Monitoring Cloud Service
  o IOTSvcAsset
       Oracle IoT Asset Monitoring CX Cloud Service
  o IntegrationCloud
       Oracle Integration Cloud
  o JaaS
       Oracle Java Cloud Service
  o MobileCCC
       Oracle Mobile Custom Code Container
```

```
  o MobileCorePOD
       Oracle Mobile Core POD
  o MySQLCS
       Oracle MySQL Cloud Service
  o OAICS
       Oracle Adaptive Intelligence Applications Offers Cloud Service
  o OEHCS
       Oracle Event Hub Cloud Service - Topics
  o OEHPCS
       Oracle Event Hub Cloud Service - Platform
  o OMCE
       Oracle Mobile Cloud Metering Service
  o SOA
       Oracle SOA Cloud Service
  o VisualBuilder
       Oracle Visual Builder Cloud Service
  o accs
       Oracle Application Container Cloud Service
  o caching
       Oracle Application Cache
  o dbcs
       Oracle Database Cloud Service
  o dics
       Oracle Data Integration Platform Cloud Service
  o ggcs
       Oracle GoldenGate Cloud Service
  o stack
       Oracle Cloud Stack Manager
  o stackvm
       Oracle Stack VM
  o setup
       Configure psm client options
  o cleanup
       Remove configured psm client options
  o update
       Update psm client to latest version
  o log
       View or update psm client log level
  o help
       Show help

AVAILABLE PARAMETERS
  -v, --version
       Show current version of psm client
```

To see a list of all commands for a specific service's CLI:

```
$ psm accs help
```

Response:

```
DESCRIPTION
  Oracle Application Container Cloud Service
```

```
SYNOPSIS <service> [parameters]
  psm accs
AVAILABLE COMMANDS
  o apps
       List all Oracle Application Container Cloud applications
  o app
       List an Oracle Application Container Cloud application
  o push
       Create or Update an Oracle Application Container Cloud application
  o scale
       Scale an Oracle Application Container Cloud Service instance for a...
  o delete
       Delete an Oracle Application Container Cloud application
  o stop
       Stop an Oracle Application Container Cloud application
  o start
       Start an Oracle Application Container Cloud application
  o restart
       Restart an Oracle Application Container Cloud application
  o logs
       List log details of all the instances of an Oracle Application
Container...
  o log
       View log details of an instance of an Oracle Application Container
Cloud...
  o get-logs
       Request for log details of an instance of an Oracle Application
Container...
  o recordings
       View recording details of all the instances of an Oracle
Application...
  o recording
       List recording details of an instance of an Oracle Application
Container...
  o get-recordings
       Request for recording details of an instance of an Oracle
Application...
  o operation-status
       View status of an Oracle Application Container Cloud application
operation
  o activities
       View activities for an Oracle Application Container Cloud application
  o check-health
       View health monitoring data, including memory and memory usage, for
an...
  o help
       Show help
```

To see help for an individual command:

```
psm accs get-recordings help
```

Response:

```
DESCRIPTION
  Request for recording details of an instance of an Oracle Application
  Container Cloud Application

SYNOPSIS
  psm accs get-recordings [parameters]
       -n, --app-name
       -i, --instance-name
       [-of, --output-format

AVAILABLE PARAMETERS
  -n, --app-name    (string)
       Name of the application

  -i, --instance-name    (string)
       Name of the instance of the given Application. If value is
[all] it generates
       recordings for all instances

  -of, --output-format    (string)
       Desired output format. Valid values are [short, json, html]

EXAMPLES
  psm accs get-recordings -n ExampleApp -i ExampleInstance
```

More Information

Viewing Help for the Command Line Interface

psm log

This command displays or updates the log level of the command-line interface.

Syntax

```
psm log [-l|--level]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-l`, `--level`	(Optional) Sets the log level to `debug`, `info`, `warning`, `error`, or `critical`. The default level is `info`. If you omit this parameter, the current log level is displayed.

Example

```
$ psm log
Current log level is 'info'
```

```
$ psm log -l debug
Successfully updated the log level to 'debug'
```

psm setup

This command connects your installation of the command-line interface to your Oracle Cloud identity domain. You can connect either over basic authorization or OAuth.

Syntax

```
psm setup
```

When you issue this command, PSM prompts you to enter values for each of the parameters described below unless you specify a payload file by using the `--config-payload` parameter.

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`Username`	The user name for your Oracle Cloud account.
`Password`	The password for your Oracle Cloud account.
`Identity domain`	The identity domain for your Oracle Cloud account.
`Region`	(Optional) Your geographical region. Valid values are: `us`, `emea` or `aucom`. **Default:** `us`
`Output format`	(Optional) The valid values for command output, are: `short`, `json` , `html`. **Default:** `short`
`Use Oauth`	(Optional) A yes/no flag that determines whether you want to communicate with the PSM REST API over Oauth or use basic authorization. Selecting `y` will launch additional prompts, as described below. **Default:** `n`
`Client ID`	(Optional; required only if you selected to use OAuth) The identifier for your client, as provided by Identity Cloud Service.
`Client Secret`	(Optional; required only if you selected to use OAuth) The secret passcode for your client, as provided by Identity Cloud Service.
`Access Token Server`	(Optional; required only if you selected to use OAuth) URL to the access token server. This value is derived from the identity domain specified. You should accept the default unless you want to use a different server than the default.
`-c|--config-payload` *`pathToPayloadFile`*	(Optional) Specifies the path to the configuration payload, a JSON file containing the user parameters for this account. If you use this option, you *will not* be prompted for the preceding parameters. Payload Exampleshows a properly-formatted payload file. See Configuring the CLI by Using a Profile.
`-p|--print`	(Optional) Print the PSM options.
`-v|--version`	(Optional) Print the PSM version.

Payload Example

If you configure a CLI implementation by using the `--config-payload` parameter, you need to point to a payload file that takes the following format (required parameters are so indicated):

```
{
    "username":"required",
    "password":"required",
    "identityDomain":"required",
    "region":"",
    "outputFormat":"",
    "oAuth":{
        "clientId":"",
        "clientSecret":"",
        "accessTokenServer":""
    }
}
```

Examples

This example shows manual configuration:

```
$ psm setup
Username: jane.user@example.com
Password:
Retype Password:
Identity domain: ExampleDomain
Region [us]: emea
Output format [json]: html
Use Oauth [n]
'psm setup' was successful. Available services are:

  o ANALYTICS : Oracle Analytics Cloud
  o APICS : Oracle API Platform Cloud Service
  o APICatalog : Oracle API Catalog Service
  o BDCSCE : Oracle Big Data Cloud Service - Compute Edition
  o BOTSCFG : Oracle Bots Configuration Service
  o BOTSCON : Oracle Bots Connector Service
  o BOTSINT : Oracle Bots Intent Service
  o BOTSMGM : Oracle Bots Management API Service
  o BOTSPIP : Oracle Bots Pipeline Service
  o BigDataAppliance : Oracle Big Data Cloud Service
  o CONTAINER : Oracle Container Cloud Service
.
.
.
```

This example shows how to configure the PSM CLI by using a profile:

```
$ psm setup -c /home/templates/psm-setup-payload.json
```

This example shows how to use the `-p` option with PSM CLI:

```
$ psm setup -p
Username:                         name@oracle.com
Identity Domain:                  idcs-12345678910
Region:                           us
```

```
Output Format:                     short
Oracle PaaS Version:               18.2.6-551
Oracle PaaS CLI Client Version:    1.1.24
```

More Information

Configuring the Command Line Interface

psm update

This command upgrades your installation of the command-line interface to the latest version.

Whenever the client is updated, the CLI will automatically display the message `You have a new client version available, do you want to update?`. If you do, use this command.

Syntax

```
psm update
```

Parameters

This command has no parameters.

Example

```
$ psm update
INFO: You already have the most up-to-date version of psm client installed on the
system
```

More Information

Updating the Command Line Interface

4
psm accs Commands

This chapter describes Oracle Application Container Cloud Service commands in the command-line interface.

Category	Commands
Application Information	psm accs activities – Lists activities of an application. psm accs app – Lists details about an application. psm accs apps – Lists all applications. psm accs check-health – Lists memory usage of an application. psm accs available-updates – Lists all available updates
Application Resources	psm accs delete – Deletes an application. psm accs push – Creates or updates an application. psm accs scale – Scales the instance count or memory limit of an application. psm accs update – Updates the runtime of an application. psm accs rollback – Rollbacks an update applied on an application. psm accs applied-updates – Lists the history of updates or rollbacks done on an application.
Application Actions	psm accs restart – Restarts an application. psm accs start – Starts an application. psm accs stop – Stops an application.
Logs	psm accs get-logs – Requests log details for an application instance. psm accs log – Displays log details for an application instance. psm accs logs – Displays log details for all instances of an application.
Recordings	psm accs get-recordings – Requests recording details for an application instance. psm accs recording – Displays recording details for an application instance. psm accs recordings – Displays recording details for all instances of an application.
Jobs	psm accs operation-status – Displays the status of the operation with the specified job ID.

psm accs activities

This command displays the activities of an Oracle Application Container Cloud Service application.

Syntax

The syntax of this command appears on multiple lines for clarity. When you use this command, it must be on one line only.

```
psm accs activities
-n|--service-name app-name
[-f|--from-start-date timestamp]
```

```
[-t|--to-start-date timestamp]
[-a|--status status]
[-o|--operation-type type-list]
[-l|--limit-row-count row-count]
[-e|--offset row-number]
[-d|--order-by field:asc|desc]
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--service-name`	Name of the application.
`-f`, `--from-start-date`	(Optional) Includes activities after this timestamp. Use with `--to-start-date` to specify a range. Supported date formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-t`, `--to-start-date`	(Optional) Includes activities before this timestamp. Use with `--from-start-date` to specify a range. Supported date formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-a`, `--status`	(Optional) A space-separated list of activity statuses: `NEW`, `RUNNING`, `SUCCEED`, `FAILED`, or `WARN`.
`-o`, `--operation-type`	(Optional) A space-separated list of operation types.
`-l`, `--limit-row-count`	(Optional) Maximum number of activities to display. Default is `10`.
`-e`, `--offset`	(Optional) Starts the list of activities at this row. Use with `--limit-row-count` to get a specific subset of activities. For example, if `--limit-row-count` is `10`, use an `--offset` of `11` to get the second set of 10 activities.
`-d`, `--order-by`	(Optional) Orders activities by the specified field in ascending (`asc`) or descending (`desc`) order.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs activities -n JavaExampleCache
{
    "activityLogs":[
        {
            "activityLogId":8087,
            "authDomain":"apaasuser",
```

```
            "authUser":"weblogic",
            "endDate":"2017-03-21T16:40:05.609+0000",
            "identityDomain":"apaasuser",
            "initiatedBy":"USER",
            "jobId":20013,
            "messages":[
                {
                    "activityDate":"2017-03-21T16:38:51.375+0000",
                    "message":"Activity Submitted"
                },
                {
                    "activityDate":"2017-03-21T16:38:51.441+0000",
                    "message":"Activity Started"
                },
                {
                    "activityDate":"2017-03-21T16:38:55.336+0000",
                    "message":"Initialized new release v2..."
                },
                {
                    "activityDate":"2017-03-21T16:38:57.737+0000",
                    "message":"Undeployed application(v1) for instance(1G)
web.1..."
                },
                {
                    "activityDate":"2017-03-21T16:39:01.899+0000",
                    "message":"Undeployed application instances..."
                },
                {
                    "activityDate":"2017-03-21T16:39:04.928+0000",
                    "message":"Acquired resources for instance(1G) web.1..."
                },
                {
                    "activityDate":"2017-03-21T16:39:36.011+0000",
                    "message":"Deployed application(v2) for instance(1G)
web.1..."
                },
                {
                    "activityDate":"2017-03-21T16:40:05.585+0000",
                    "message":"Successfully deployed release..."
                },
                {
                    "activityDate":"2017-03-21T16:40:05.597+0000",
                    "message":"Activity Ended"
                },
                {
                    "activityDate":"2017-03-21T16:40:05.609+0000",
                    "message":"Activity Ended"
                }
            ],
            "operationId":152,
            "operationType":"USER_UPDATE",
            "serviceId":152,
            "serviceName":"JavaExampleCache",
            "serviceType":"apaas",
            "startDate":"2017-03-21T16:38:51.375+0000",
```

```
                "status":"SUCCEED",
                "summaryMessage":"USER_UPDATE"
            },
            {
                "activityLogId":8086,
                "authDomain":"apaasuser",
                "authUser":"weblogic",
                "endDate":"2017-03-21T16:37:32.302+0000",
                "identityDomain":"apaasuser",
                "initiatedBy":"USER",
                "jobId":20012,
                "messages":[
                    {
                        "activityDate":"2017-03-21T16:37:26.025+0000",
                        "message":"Activity Submitted"
                    },
                    {
                        "activityDate":"2017-03-21T16:37:26.073+0000",
                        "message":"Activity Started"
                    },
                    {
                        "activityDate":"2017-03-21T16:37:32.275+0000",
                        "message":"Application logs retrieved for instance
web.1..."
                    },
                    {
                        "activityDate":"2017-03-21T16:37:32.291+0000",
                        "message":"Activity Ended"
                    },
                    {
                        "activityDate":"2017-03-21T16:37:32.302+0000",
                        "message":"Activity Ended"
                    }
                ],
                "operationId":152,
                "operationType":"LOG_COLLECTION",
                "serviceId":152,
                "serviceName":"JavaExampleCache",
                "serviceType":"apaas",
                "startDate":"2017-03-21T16:37:26.025+0000",
                "status":"SUCCEED",
                "summaryMessage":"LOG_COLLECTION"
            },
            {
                "activityLogId":8085,
                "authDomain":"apaasuser",
                "authUser":"weblogic",
                "endDate":"2017-03-21T16:36:41.867+0000",
                "identityDomain":"apaasuser",
                "initiatedBy":"USER",
                "jobId":20011,
                "messages":[
                    {
                        "activityDate":"2017-03-21T16:36:35.587+0000",
                        "message":"Activity Submitted"
```

```
                },
                {
                    "activityDate":"2017-03-21T16:36:35.651+0000",
                    "message":"Activity Started"
                },
                {
                    "activityDate":"2017-03-21T16:36:41.832+0000",
                    "message":"Application logs retrieved for instance
web.1..."
                },
                {
                    "activityDate":"2017-03-21T16:36:41.849+0000",
                    "message":"Activity Ended"
                },
                {
                    "activityDate":"2017-03-21T16:36:41.867+0000",
                    "message":"Activity Ended"
                }
            ],
            "operationId":152,
            "operationType":"LOG_COLLECTION",
            "serviceId":152,
            "serviceName":"JavaExampleCache",
            "serviceType":"apaas",
            "startDate":"2017-03-21T16:36:35.587+0000",
            "status":"SUCCEED",
            "summaryMessage":"LOG_COLLECTION"
        }
    ],
    "totalCount":3
}
```


psm accs app

This command lists detailed information about an Oracle Application Container Cloud Service application.

Syntax

```
psm accs app
-n|--app-name name
[-o|--output-level verbose]
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-o`, `--output-level`	(Optional) Includes the full set of details for all application instances when set to `verbose`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs app -n employees-app -o verbose -of json
{
    "appId":"cc427540-bd17-443c-99fe-b332a28e579a",
    "appURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/
v1.1/apps/ExampleDomain/employees-app",
    "createdBy":"jane.user@example.com",
    "creationTime":"2016-04-14T20:18:45.410+0000",
    "identityDomain":"ExampleDomain",
    "instances":[
        {
            "instanceURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/instances/web.1",
            "memory":"1G",
            "name":"web.1",
            "status":"RUNNING"
        }
    ],
    "lastModifiedTime":"2016-04-21T14:53:48.853+0000",
    "lastestDeployment":{
        "autoMinorVersionUpdate":false,
        "deploymentInfo":{
            "archiveName":"deploy5682038377737228579.zip",
            "buildNumber":"24",
            "commitId":"1A2B345",
            "creationTime":"2016-04-21T14:53:48.859+0000",
            "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
            "deploymentNumber":"2",
            "deploymentStatus":"READY",
            "deploymentVersion":"0.2.0",
            "releaseNotes":"Employees Web Apllication using Bootstrap",
            "size":5988679,
            "source":"USER",
            "uploadedBy":"jane.user@example.com"
        },
        "environment":"java",
        "environmentDisplayVersion":"Java SE 8u71",
        "environmentMajorVersion":"8",
        "environmentVariables":[],
        "environmentVersion":"1.8.0_71-b15",
        "processes":[
            {
```

```
                "memory":"1G",
                "processCommand":"java -jar employees-app-final.jar",
                "processName":"web",
                "quantity":1
            }
        ],
        "serviceBindings":[],
        "startupTime":30
    },
    "name":"employees-app",
    "runningDeployment":{
        "autoMinorVersionUpdate":false,
        "deploymentInfo":{
            "archiveName":"deploy5682038377737228579.zip",
            "buildNumber":"24",
            "commitId":"1A2B345",
            "creationTime":"2016-04-21T14:53:48.859+0000",
            "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
            "deploymentNumber":"2",
            "deploymentStatus":"READY",
            "deploymentVersion":"0.2.0",
            "releaseNotes":"Employees Web Apllication using Bootstrap",
            "size":5988679,
            "source":"USER",
            "uploadedBy":"jane.user@example.com"
        },
        "environment":"java",
        "environmentDisplayVersion":"Java SE 8u71",
        "environmentMajorVersion":"8",
        "environmentVariables":[],
        "environmentVersion":"1.8.0_71-b15",
        "processes":[
            {
                "memory":"1G",
                "processCommand":"java -jar employees-app-final.jar",
                "processName":"web",
                "quantity":1
            }
        ],
        "serviceBindings":[],
        "startupTime":30
    },
    "status":"RUNNING",
    "subscriptionType":"MONTHLY",
    "webURL":"https://employees-app-ExampleDomain.apaas.us2.oraclecloud.com"
}
```


psm accs apps

This command lists all Oracle Application Container Cloud Service applications in the identity domain.

Syntax

```
psm accs apps
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs apps -of json
{
    "applications":[
        {
            "appId":"cc427540-bd17-443c-99fe-b332a28e579a",
            "appURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/v1.1/
apps/ExampleDomain/employees-app",
            "createdBy":"jane.user@example.com",
            "creationTime":"2016-04-14T20:18:45.410+0000",
            "identityDomain":"ExampleDomain",
            "instances":[
                {
                    "instanceURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/instances/web.1",
                    "memory":"1G",
                    "name":"web.1",
                    "status":"RUNNING"
                }
            ],
            "lastModifiedTime":"2016-04-14T20:18:45.394+0000",
            "lastestDeployment":{
                "deploymentId":"c48c3546-34b1-48ca-b368-49e4f24f5d3e",
                "deploymentStatus":"READY",
                "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/c48c3546-34b1-48ca-
b368-49e4f24f5d3e"
            },
            "name":"employees-app",
            "runningDeployment":{
                "deploymentId":"c48c3546-34b1-48ca-b368-49e4f24f5d3e",
                "deploymentStatus":"READY",
                "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/c48c3546-34b1-48ca-
b368-49e4f24f5d3e"
            },
```

```
            "status":"RUNNING",
            "subscriptionType":"MONTHLY",
            "webURL":"https://employees-app-ExampleDomain.apaas.us2.oraclecloud.com"
        }
    ]
}
```

More Information

Using the Applications Page in *Using Oracle Application Container Cloud Service*

psm accs check-health

Use this command to view health monitoring data, including percent memory usage and absolute memory, for an Oracle Application Container Cloud Service application.

> **Note:**
>
> Health monitoring metrics are updated hourly. Metrics retrieved between hourly refreshes may not be quite current.

Syntax

```
psm accs check-health
-n|--app-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm accs check-health -n employees-app -of json
{
    "identity_domain":"ExampleDomain",
    "service_components":[
        {
            "component":"ENV-JAVA",
            "vms":[]
        },
```

```
            {
                "component":"METRIC",
                "summary":{
                    "status":"UP",
                    "status_time":"2017-03-23T20:53:50.854+00:00",
                    "sub_status":"calculated"
                },
                "vms":[
                    {
                        "health_data":[
                            {
                                "displayName":"Actual Memory Utilized",
                                "name":"memory",
                                "unit":"MB",
                                "value":"624.6"
                            },
                            {
                                "displayName":"Memory Utilization Percent",
                                "name":"memoryUsed",
                                "unit":"%",
                                "value":"58.17"
                            }
                        ],
                        "servers":[],
                        "summary":{
                            "status":"UP",
                            "status_time":"2017-03-23T20:53:35.035+00:00"
                        },
                        "vm":"web.1"
                    }
                ]
            }
        ],
        "service_name":"employees-app",
        "summary":{
            "status":"UP",
            "status_time":"2017-03-23T20:53:50.853+00:00"
        }
    }
```


More Information

Viewing Service Metrics for an Application in *Using Oracle Application Container Cloud Service*

psm accs delete

This command deletes an Oracle Application Container Cloud Service application.

Any running instances of the deployed application are stopped. The deployed application and its configuration data are deleted. You cannot undo application deletion.

Syntax

```
psm accs delete
-n|--app-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs delete -n employees-app -of json
{
    "appId":"cc427540-bd17-443c-99fe-b332a28e579a",
    "appURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/v1.1/
apps/ExampleDomain/employees-app",
    "createdBy":"jane.user@example.com",
    "creationTime":"2016-04-14T20:18:45.410+0000",
    "currentOngoingActivity":"Deleting Application",
    "identityDomain":"ExampleDomain",
    "instances":[
        {
            "instanceURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/instances/web.1",
            "memory":"2G",
            "name":"web.1",
            "status":"RUNNING"
        },
        {
            "instanceURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/instances/web.2",
            "memory":"2G",
            "name":"web.2",
            "status":"RUNNING"
        }
    ],
    "lastModifiedTime":"2016-04-21T14:53:48.853+0000",
    "lastestDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
```

```
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "message":[],
    "name":"employees-app",
    "runningDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "status":"RUNNING",
    "subscriptionType":"MONTHLY",
    "webURL":"https://employees-app-
ExampleDomain.apaas.us2.oraclecloud.com"
}
```

More Information

Deleting an Applicaton in *Using Oracle Application Container Cloud Service*

psm accs get-logs

This command generates a log for an Oracle Application Container Cloud Service application instance.

You must use this command before you can view log details using the psm accs log or psm accs logs command.

Syntax

```
psm accs get-logs
-n|--app-name name
-i|--instance-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-i`, `--instance-name`	Name of the application instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs get-logs -n employees-app -i web.1 -of json
{
    "message":"Log Request Accepted"
}
```

More Information

Exploring the Application Logs and Recordings Page in *Using Oracle Application Container Cloud Service*

psm accs get-recordings

This command generates a recording for an Oracle Application Container Cloud Service application instance.

You must use this command before you can view recording details using the psm accs recording or psm accs recordings command.

Syntax

```
psm accs get-recordings
-n|--app-name name
-i|--instance-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-i`, `--instance-name`	Name of the application instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs get-recordings -n employees-app -i web.1 -of json
{
    "message":"Recording Request Accepted"
}
```

More Information

Exploring the Application Logs and Recordings Page in *Using Oracle Application Container Cloud Service*

psm accs log

This command displays log details for an Oracle Application Container Cloud Service application instance.

Use the psm accs get-logs command to generate the log details first.

Syntax

```
psm accs log
-n|--app-name name
-i|--instance-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-i`, `--instance-name`	Name of the application instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs log -n employees-app -i web.1 -of json
{
    "instanceName":"web.1",
    "logs":[
        {
            "contentType":"application/zip",
            "fileSize":539,
            "lastModifiedTime":"2016-04-21T14:54:04.690+0000",
            "logName":"server.out.zip",
            "logURL":"https://ExampleDomain.storage.oraclecloud.com/v1/
Storage-ExampleDomain/_apaas/employees-app/cc427540-bd17-443c-99fe-
b332a28e579a/logs/web.1/e378fb74-47d1-440f-8a1e-4684de058b35/
server.out.zip"
        },
        {
```

```
            "contentType":"application/zip",
            "fileSize":643,
            "lastModifiedTime":"2016-04-21T21:11:50.876+0000",
            "logName":"server.out.zip",
            "logURL":"https://ExampleDomain.storage.oraclecloud.com/v1/
Storage-ExampleDomain/_apaas/employees-app/cc427540-bd17-443c-99fe-
b332a28e579a/logs/web.1/f950d7db-a3f2-4d26-8a04-4e5f31854975/server.out.zip"
        }
    ]
}
```

More Information

Exploring the Application Logs and Recordings Page in *Using Oracle Application Container Cloud Service*

psm accs logs

This command displays log details for all instances of an Oracle Application Container Cloud Service application.

Use the psm accs get-logs command to generate the log details first.

Syntax

```
psm accs logs
-n|--app-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs logs -n employees-app -of json
{
    "instances":[
        {
            "instanceName":"web.1",
            "logs":[
                {
```

```
                    "contentType":"application/zip",
                    "fileSize":539,
                    "lastModifiedTime":"2016-04-21T14:54:04.690+0000",
                    "logName":"server.out.zip",
                    "logURL":"https://
ExampleDomain.storage.oraclecloud.com/v1/Storage-ExampleDomain/_apaas/
employees-app/cc427540-bd17-443c-99fe-b332a28e579a/logs/web.1/
e378fb74-47d1-440f-8a1e-4684de058b35/server.out.zip"
                },
                {
                    "contentType":"application/zip",
                    "fileSize":643,
                    "lastModifiedTime":"2016-04-21T21:11:50.876+0000",
                    "logName":"server.out.zip",
                    "logURL":"https://
ExampleDomain.storage.oraclecloud.com/v1/Storage-ExampleDomain/_apaas/
employees-app/cc427540-bd17-443c-99fe-b332a28e579a/logs/web.1/f950d7db-
a3f2-4d26-8a04-4e5f31854975/server.out.zip"
                }
            ]
        }
    ]
}
```

More Information

Exploring the Application Logs and Recordings Page in *Using Oracle Application Container Cloud Service*

psm accs operation-status

This command displays the status of an Oracle Application Container Cloud Service operation.

When you run a command-line operation, a job ID is included in the response. You can use this job ID to check the status of the operation. For example, you can display the status of a psm accs push operation to verify that an application has been created or updated successfully.

Syntax

```
psm accs operation-status
-j|--job-id ID
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-j, --job-id`	Job ID of the operation.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs operation-status -j 3824 -of html
```

psm accs push

This command creates, or deploys, an Oracle Application Container Cloud Service application.

When you run a command-line operation, a job ID is included in the response. You can use this job ID to check the status of the operation using psm accs operation-status. For example, you can display the status of a `push` operation to verify that an application has been created or updated successfully.

Syntax

The syntax of this command appears on multiple lines for clarity. When you use this command, it must be on one line only.

```
psm accs push
-n|--name app-name
[-i|--notification-email email]
[-r|--runtime java|node]
[-s|--subscription hourly|monthly]
[-m|--manifest file-name]
[-d|--deployment file-name]
[-u|--archive-url app-name/zip-file-name]
[-g|--gitRepoUrl https://github.com/YourGitProject/MyRepoName.git]
[-o|--mode rolling]
[-e|--repository dockerhub]
[-t|--notes "comments"]
[-a|--auth-type oauth]
[-p|--archive-path path]
[-re|--region "region-where-application-needs-to-be-provisioned"]
[-ad|--availability-domain "availability-domain-where-the-application-needs-
to-be-provisioned"]
[-su|--subnet "availability-domain-where-the-application-needs-to-be-
provisioned"]
[-lb|--lblsubnet "subnet-where-the-application-needs-to-be-provisioned"]
[-tg|--tags [{"key": "owner", "value": "Some owner"}]]
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--name`	Name of the application.
`-i`, `--notification-email`	(Optional) Email address to which application deployment status updates are sent.
`-r`, `--runtime`	(Optional) Runtime environment: `java` (the default), javaee, `node`, `php`, `python`, `ruby`, `golang`, or `dotnet`.
`-s`, `--subscription`	(Optional) Metered subscription, either `hourly` or `monthly`. The default is `hourly`. Ignored for a non-metered subscription.
`-m`, `--manifest`	(Optional) Path to the `manifest.json` file. Required if this file is not included with the application. See Creating Metadata Files in *Developing for Oracle Application Container Cloud Service*.
`-d`, `--deployment`	(Optional) Path to the `deployment.json` file. See Creating Metadata Files in *Developing for Oracle Application Container Cloud Service*.
`-u`, `--archive-url`	(Optional) URL that locates the application archive in Oracle Cloud Infrastructure Object Storage Classic. Includes the name of the application in Oracle Cloud Infrastructure Object Storage Classic and the name of the ZIP file that was uploaded to Oracle Cloud Infrastructure Object Storage Classic.
`-g`, `--gitRepoUrl`	(Optional) URL of your GitHub repository.
`-o`, `--mode`	(Optional) Restart mode for application instances. The only allowed value is `rolling` for a rolling restart. Omit this parameter for a concurrent restart.
`-e`, `--repository`	(Optional) Repository of the application. The only allowed value is `dockerhub`.
`-t`, `--notes`	(Optional) Notes about the deployment.
`-a`, `--auth-type`	(Optional) Select the type of authentication for a Java SE 7 or 8, Node.js, or PHP application: • `basic` — Prompts for a username and password set up in Oracle Identity Cloud Service. • `oauth` — Creates a corresponding application in Oracle Identity Cloud Service to control who can access your application, and redirects to Oracle Identity Cloud Service for authentication.
`-p`, `--archive-path`	(Optional) Fully qualified archive file or directory path for the application in the local file system. A directory path is automatically zipped before being uploaded. Recommended for archives with sizes of up to 250 MB. For archives with sizes greater than 250 MB, uploading the archive to Oracle Cloud Infrastructure Object Storage Classic and using the `--archive-url` parameter is recommended. Either this parameter or `--archive-url` is required.
`-re`, `--region`	(Required only on Oracle Cloud Infrastructure) Name of the region where the application is to be provisioned.

Parameter	Description
`-ad`, `--availability-domain`	(Required only on Oracle Cloud Infrastructure) Name of a data center location in the Oracle Cloud Infrastructure region that is specified in region. A region is a localized geographic area, composed of one or more availability domains (data centers).
`-su`, `--subnet`	(Required only on Oracle Cloud Infrastructure) A subdivision of a cloud network that is set up in the data center as specified in availabilityDomain. This attribute is available only on Oracle Cloud Infrastructure.
`-tg`, `--tags`	(Optional) Specify tags in json format for the application.
`-lb`, `--lbsubnet`	(Required only on Oracle Cloud Infrastructure) Two comma separated load balancer subnets.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

The following command deploys a Java application with an hourly subscription and references `manifest.json` and `deployment.json` files.

```
$ psm accs push -n ExampleApp -r java -s hourly -m /home/manifest.json -d /
home/deployment.json -p /home/myapp.zip
```

The following command deploys a Node application with a monthly subscription, includes the `manifest.json` file in the `.zip` file, includes a comment, and sets the output format to HTML.

```
$ psm accs push -n ExampleNodeApp -r node -s monthly -p /samples/mynode.zip -
t "beta 2" -of html
```

The following command deploys a Java application from a GitHub repository.

```
$ psm accs push -n MyJavaApp -r java -g https://github.com/YourGitProject/
MyRepoName.git -m /home/manifest.json -d /home/deployment.json
```

The following command deploys the employees-app sample application with a monthly subscription. The response from the command-line interface is also displayed.

```
$ psm accs push -n employees-app -s monthly -u employees-app/employees-web-
app.zip
{
    "appId":"3a32194b-f337-4f50-9642-aa1e90b1606d",

"appURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/v1.1/apps/
```

```
ExampleDomain/employees-
app",
    "createdBy":"jane.user@example.com",
    "creationTime":"2016-04-25T16:53:49.573+0000",
    "currentOngoingActivity":"Deploying Release",
    "identityDomain":"ExampleDomain",
    "instances":[
        {

"instanceURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/
v1.1/apps/ExampleDomain/employ
ees-app/instances/web.1",
            "memory":"1G",
            "name":"web.1",
            "status":"RUNNING"
        }
    ],
    "lastModifiedTime":"2016-04-25T22:27:06.869+0000",
    "lastestDeployment":{
        "deploymentId":"42e8f37b-2d84-43c0-902a-bc296d601952",
        "deploymentStatus":"READY",

"deploymentURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/
v1.1/apps/ExampleDomain/empl
oyees-app/deployments/42e8f37b-2d84-43c0-902a-bc296d601952"
    },
    "message":[],
    "name":"employees-app",
    "runningDeployment":{
        "deploymentId":"faa148e2-353b-4a86-998a-cabde06e7fe6",
        "deploymentStatus":"READY",

"deploymentURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/
v1.1/apps/ExampleDomain/empl
oyees-app/deployments/faa148e2-353b-4a86-998a-cabde06e7fe6"
    },
    "status":"RUNNING",
    "subscriptionType":"MONTHLY",
    "webURL":"https://employees-app-
ExampleDomain.apaas.us2.oraclecloud.com"
}
```


More Information

Creating an Application in *Using Oracle Application Container Cloud Service*

psm accs recording

This command displays recording details for an Oracle Application Container Cloud Service application instance.

Use the psm accs get-recordings command to generate the recording details first.

Syntax

```
psm accs recording
-n|--app-name name
-i|--instance-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-i`, `--instance-name`	Name of the application instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs recording -n employees-app -i web.1 -of json
{
    "instanceName":"web.1",
    "recordings":[
        {
            "contentType":"application/octet-stream",
            "fileSize":192877,
            "lastModifiedTime":"2016-04-21T21:16:02.775+0000",
            "recordingName":"employees-app/cc427540-bd17-443c-99fe-
b332a28e579a/recordings/web.1/f950d7db-a3f2-4d26-8a04-4e5f31854975/
web.1_2016_04_21_17_14_53.jfr",
            "recordingURL":"https://ExampleDomain.storage.oraclecloud.com/v1/
Storage-ExampleDomain/_apaas/employees-app/cc427540-bd17-443c-99fe-
b332a28e579a/recordings/web.1/f950d7db-a3f2-4d26-8a04-4e5f31854975/
web.1_2016_04_21_17_14_53.jfr"
        }
    ]
}
```

More Information

Exploring the Application Logs and Recordings Page in *Using Oracle Application Container Cloud Service*

psm accs recordings

This command displays recording details for all instances of an Oracle Application Container Cloud Service application.

Use the psm accs get-recordings command to generate the recording details first.

Syntax

```
psm accs recordings
-n|--app-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs recordings -n employees-app -of json
{
    "instances":[
        {
            "instanceName":"web.1",
            "recordings":[
                {
                    "contentType":"application/octet-stream",
                    "fileSize":192877,
                    "lastModifiedTime":"2016-04-21T21:16:02.775+0000",
                    "recordingName":"employees-app/cc427540-
bd17-443c-99fe-b332a28e579a/recordings/web.1/f950d7db-
a3f2-4d26-8a04-4e5f31854975/web.1_2016_04_21_17_14_53.jfr",
                    "recordingURL":"https://
ExampleDomain.storage.oraclecloud.com/v1/Storage-ExampleDomain/_apaas/
employees-app/cc427540-bd17-443c-99fe-b332a28e579a/recordings/web.1/
f950d7db-a3f2-4d26-8a04-4e5f31854975/web.1_2016_04_21_17_14_53.jfr"
                }
            ]
        }
```

```
    ]
}
```

More Information

Exploring the Application Logs and Recordings Page in *Using Oracle Application Container Cloud Service*

psm accs restart

This command restarts an Oracle Application Container Cloud Service application.

> **Note:**
>
> This Oracle Application Container Cloud Service release only supports application-level restart, thus at this time, you cannot use it to restart an application instance.

Syntax

```
psm accs restart
-n|--app-name name
[-o|--mode rolling]
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-o`, `--mode`	(Optional) Restart mode for application instances. The only allowed value is `rolling` for a rolling restart. Omit this parameter for a concurrent restart.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs restart -n employees-app -of json
{
    "appId":"cc427540-bd17-443c-99fe-b332a28e579a",
    "appURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/v1.1/
apps/ExampleDomain/employees-app",
    "createdBy":"jane.user@example.com",
    "creationTime":"2016-04-14T20:18:45.410+0000",
```

```
    "currentOngoingActivity":"Restarting Application",
    "identityDomain":"ExampleDomain",
    "instances":[
        {
            "instanceURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/instances/web.1",
            "memory":"1G",
            "name":"web.1",
            "status":"RUNNING"
        }
    ],
    "lastModifiedTime":"2016-04-21T14:53:48.853+0000",
    "lastestDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "message":[],
    "name":"employees-app",
    "runningDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "status":"RUNNING",
    "subscriptionType":"MONTHLY",
    "webURL":"https://employees-app-
ExampleDomain.apaas.us2.oraclecloud.com"
}
```


More Information

Stopping, Starting, and Restarting an Application in *Using Oracle Application Container Cloud Service*

psm accs scale

This command scales the specified Oracle Application Container Cloud Service application to increase or decrease its instance count or memory limit per instance.

Syntax

```
psm accs scale
-n|--app-name name
[-i|--instances N]
[-m|--memory NG]
[-o|--mode rolling]
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Command Option	Description
`-n`, `--app-name`	Name of the application.
`-i`, `--instances`	(Optional) Number of application instances. The default is 1.
`-m`, `--memory`	(Optional) Amount of memory in GB. The default is 1GB.
`-o`, `--mode`	(Optional) Restart mode for application instances. The only allowed value is `rolling` for a rolling restart. Omit this parameter for a concurrent restart.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm accs scale -n employees-app -i 2 -m 2G -of json
{
    "applicationDetails":"employees-app",
    "identityDomain":"ExampleDomain",
    "processes":[
        {
            "instances":[
                {
                    "instanceURI":"https://psm.us.oraclecloud.com/paas/
service/apaas/api/v1.1/apps/ExampleDomain/employees-app/instances/web.1",
                    "memory":"1G",
                    "name":"web.1",
                    "status":"RUNNING"
                }
            ],
            "processName":"web"
        }
    ]
}
```

More Information

Exploring the Application Overview Page in *Using Oracle Application Container Cloud Service*

psm accs start

Use this command to start an Oracle Application Container Cloud Service application.

> **Note:**
>
> This Oracle Application Container Cloud Service release only supports application-level start, thus at this time, you cannot use it to start an application instance.

Syntax

```
psm accs start
-n|--app-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm accs start -n employees-app -of json
{
    "appId":"cc427540-bd17-443c-99fe-b332a28e579a",
    "appURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/
v1.1/apps/ExampleDomain/employees-app",
    "createdBy":"jane.user@example.com",
    "creationTime":"2016-04-14T20:18:45.410+0000",
    "currentOngoingActivity":"Starting Application",
    "identityDomain":"ExampleDomain",
    "instances":[],
    "lastModifiedTime":"2016-04-21T14:53:48.853+0000",
    "lastestDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
```

```
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "message":[],
    "name":"employees-app",
    "runningDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "status":"STOPPED",
    "subscriptionType":"MONTHLY",
    "webURL":"https://employees-app-ExampleDomain.apaas.us2.oraclecloud.com"
}
```

More Information

Stopping, Starting, and Restarting an Application in *Using Oracle Application Container Cloud Service*

psm accs stop

Use this command to stop an Oracle Application Container Cloud Service application.

> **Note:**
>
> This Oracle Application Container Cloud Service release only supports application-level stop, thus at this time, you cannot use it to stop an application instance.

Syntax

```
psm accs stop
-n|--app-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm accs stop -n employees-app -of json
{
    "appId":"cc427540-bd17-443c-99fe-b332a28e579a",
    "appURL":"https://psm.us.oraclecloud.com/paas/service/apaas/api/
v1.1/apps/ExampleDomain/employees-app",
    "createdBy":"jane.user@example.com",
    "creationTime":"2016-04-14T20:18:45.410+0000",
    "currentOngoingActivity":"Stopping Application",
    "identityDomain":"ExampleDomain",
    "instances":[
        {
            "instanceURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/instances/web.1",
            "memory":"1G",
            "name":"web.1",
            "status":"RUNNING"
        }
    ],
    "lastModifiedTime":"2016-04-21T14:53:48.853+0000",
    "lastestDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "message":[],
    "name":"employees-app",
    "runningDeployment":{
        "deploymentId":"582b5947-3052-48d0-8e25-e4c0090bee9f",
        "deploymentStatus":"READY",
        "deploymentURL":"https://psm.us.oraclecloud.com/paas/service/
apaas/api/v1.1/apps/ExampleDomain/employees-app/deployments/
582b5947-3052-48d0-8e25-e4c0090bee9f"
    },
    "status":"RUNNING",
    "subscriptionType":"MONTHLY",
    "webURL":"https://employees-app-
ExampleDomain.apaas.us2.oraclecloud.com"
}
```

More Information

Stopping, Starting, and Restarting an Application in *Using Oracle Application Container Cloud Service*

psm accs available-updates

This command list the details of available updates of Oracle Application Container Cloud Service in the identity domain.

Syntax

```
psm accs available-updates
-n|--app-name name
[-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm accs available-updates -n employees-app -of json
[
    {
        "updateId":"nodev8.1.4",
        "version":"v8.1.4",
        "displayVersion":"Node 8.1.4",
        "releaseDate":"2017-09-14T00:00:00.000+0000",
        "updateDescription":"This update contains new features and fixes for
critical issues. See the documentation for details.",
        "releaseUrl":"https://nodejs.org/en/blog/release/v8.1.4",
        "type":"major"
    }
]
```

psm accs update

This command updates the runtime of an Oracle Application Container Cloud Service application.

Syntax

```
psm accs update
-n|--app-name name
-u|--update-id
[-o|--mode]
[-wc|--wait-until-complete]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n, --app-name`	Name of the application.
`-u, --update-id`	ID of the runtime update.
`-o, --mode`	(Optional) Mode in which update will be performed. Can be `rolling` or `quick`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc,,--wait-until-complete`	(Optional) Wait until the command is complete. Valid values are `true` or `false`. Default is `false`.

Examples

```
$ psm accs update -n ExampleApp -u sample-update-id -o rolling
{
    "status": "Completed",
    "details": {"message": "APAAS-RUNTIME-UPDATE-011: Successfully
initiated a process for updating app [ExampleApp] to version
[nodev8.1.4]."}
}
Job ID : 10999269
```

psm accs applied-updates

This command lists the history of updates or rollback done on a Oracle Application Container Cloud Service application.

Syntax

```
psm applied-updates
-n|--app-name name
-u|--update-id
[-of|--output-format json|html|short]
[-o|--mode]
[-wc|--wait-until-complete]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n, --app-name`	Name of the application.
`-u, --update-id`	ID of the runtime update.
`-o, --mode`	(Optional) Mode in which update will be performed. Can be `rolling` or `quick`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc,,--wait-until-complete`	(Optional) Wait until the command is complete. Valid values are `true` or `false`. Default is `false`.

Examples

```
$ psm accs applied-updates -n ExampleApp -of json
[
    {
        "id":"44551",
        "runtime":"Node",
        "updateId":"nodev8.1.4",
        "updateDescription":"This update contains new features and fixes for
critical issues. See the documentation for details.",
        "releaseDate":"2017-09-14T00:00:00.000+0000",
        "releaseURL":"https://nodejs.org/en/blog/release/v8.1.4",
        "notes":"notes",
        "appliedBy":"jsmith@example.com",
        "fromVersion":"Node 6.11.1",
        "toVersion":"Node 8.1.4",
        "startTime":"2018-02-19T18:23:37.270+0000",
        "endTime":"2018-02-19T18:25:27.350+0000",
        "opType":"UPDATE",
        "opStatus":"SUCCEEDED",
        "statusMessage":"Successfully updated envRuntime from Node 6.11.1 to
Node 8.1.4...",
        "isRollbackEnabled":"true",
        "rollbackMessage":"Available until 2018-03-21T18:25:27.350+0000",
        "updateType":"major"
    }
]
```

psm accs rollback

This command rollbacks an update applied on Oracle Application Container Cloud Service application.

Syntax

```
psm accs app
-n|--app-name name
[-o|--mode ]
[-of|--output-format json|html|short]
[-wc|--wait-until-complete]
```

Parameters

Parameter	Description
`-n`, `--app-name`	Name of the application.
`-o`, `--mode`	(Optional)Mode in which update will be performed. Can be `rolling` or `quick`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc`, `--wait-until-complete`	Wait until the command is complete. Valid values `true` or `false`. Default is `false`.

Examples

```
$ psm accs rollback -n ExampleApp
{
    "status": "Completed",
    "details": {"message": "APAAS-RUNTIME-ROLLBACK-006: Successfully
initiated a process for rolling back envRuntime for app [ExampleApp]
to version [nodev6.11.1]."}
}
Job ID : 10961354
```

5
psm analytics Commands

This chapter describes the PSM command-line interface commands you can use with services created with Oracle Analytics Cloud - Classic.

Category	Command
Service Instance	psm analytics create-service – Creates a service. psm analytics delete-service – Deletes a service. psm analytics restart – Restarts the Administration Server on which the service is running. psm analytics services – Lists all active services within your identity domain. psm analytics service – Lists details about a specified service. psm analytics stop – Stops a service that is running. psm analytics start – Starts a service. psm analytics activities – Lists the activities of a service.
Access Control	psm analytics access-rules – Lists all access rules for a service. psm analytics create-access-rule – Creates an access rule. psm analytics delete-access-rule – Deletes an access rule. psm analytics disable-access-rule – Disables an enabled access rule. psm analytics enable-access-rule – Enables a disabled access rule.
Scaling	psm analytics scale – Changes the compute shape of a compute node. psm analytics scale-in – Removes a managed server from a cluster to scale in a service by one node. psm analytics scale-out – Adds a new managed server to the specified cluster to scale out a service by one node.
Storage	psm analytics add-storage – Extends the data or backup volume(s) for Oracle Analytics Cloud - Classic hosts.
Backup Configuration	psm analytics update-backup-config – Updates the backup configuration of a service. psm analytics view-backup-config – Lists the backup configuration of a service.
Backups	psm analytics backup – Backs up a service. psm analytics delete-backup – Deletes a backup of a service. psm analytics view-backup – Displays information about a specific backup. psm analytics view-backups – Lists all backups of a service.
Restore	psm analytics restore – Restores a service instance from a backup. psm analytics view-restore – Displays information about a specific restore operation. psm analytics view-restores – Lists restore history for a service.

Category	Command
Patches	psm analytics applied-patches – Lists all patches applied to a service. psm analytics available-patches – Lists all patches available for a service. psm analytics patch – Applies a patch to a service. psm analytics precheck-patch – Identifies potential issues that might prevent a patch from completing successfully. psm analytics rollback – Rolls back a patch for a service.
Job Status	psm analytics operation-status – Shows the status of a command-line operation.

psm analytics access-rules

Use this command to list access rules for a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics access-rules -s|--service-name serviceName
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`–s|–service-name`	Name of the service.
`-of|--output-format`	(Optional) Output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary.

Example

```
psm analytics access-rules -s ExampleService
```

psm analytics activities

Use this command to list activities for a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics activities -s|--service-name service-name
    [-f|--from-start-date date]
    [-t|--to-start-date date ]
```

```
[-a|--status NEW|RUNNING|SUCCEED|FAILED|WARN ]
[-o|--operation-type LIST ]
[-l|--limit-row-count integer ]
[-e|--offset  ]
[-d|--order-by fieldName ]
[-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the service.
`–f|--from-start-date`	Retrieves activities performed after this date. Specifies the start of a range. If no end date is defined, uses the current date. Supported formats are ISO date and time formats: • `yyyy-MM-dd'T'HH:mm:ss` • `yyyy-MM-dd HH:mm:ss` • `yyy-MM-dd`
`–t|--to-start-date`	Specifies the end of a range. You can use it with `from-start-range`.
`–a|–status`	Specifies the types of activity required. Valid values are `NEW|RUNNING|SUCCEED|FAILED|WARN`.
`–o|--operation-type`	Specifies the types of operation required.
`-l|--limit-row-count`	Specifies how many rows of results to return. The default is 10.
`-e|--offset`	Defines the number of activities to display. If the offset is set to 3, and 5 activities are returned, only the last 3 activities are displayed. You can combine this with `limit-row-count` to further restrict the number of activities in the result set.
`-d|--order-by`	Filter criteria that sorts the result set. Defined as `fieldName: asc|desc`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example requests the failed activities of the `analytics-001` service from 01 January 2017 to 28 February 2017:

```
$ psm analytics activities -s analytics-001 -f 2017-01-01 -t 2017-02-28 -a
FAILED
```

psm analytics add-storage

Use this command to add block storage to a node without changing the compute shape of the node. Be aware that, if you add block storage, you can't remove it later.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analytics add-storage -s|--service-name serviceName
    -c|—config-payload pathToJson
      [-of|--output-format json|html|short]
      [-wc, --wait-until-complete <value>]
```

Parameters

Parameter	Description
`-s|--serviceName` *`serviceName`*	Name of the service.
`-c|—config-payload` *`pathToJson`*	Full path to the JSON file that contains the payload for this command.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc, --wait-until-complete <value>`	(Optional) Wait until the command is complete. Valid values are `[true, false]`. Default is `false`.

Examples

```
$ psm analytics add-storage -s MyAnalyticsCloudClassicService  -c c://
home/templates/add-storage-payload.json -of json
```

Sample Payload

In the payload JSON file, you would include the actual values that you want to use (see example).

```
{
  "allServiceHosts":"",
    "components":{
          "BI":{
              "dataVolume":[]
              "latencyVolume":[]
            "hosts":[]
             }
                }
}
```

For example,

```
{
 "allServiceHosts":false,
 "components":{
     "BI":{
         "dataVolume":"11",
         "hosts":["mni1dockbi-bi-1"],
         "latencyVolume":"23"
     }
  }
}
```

psm analytics applied-patches

Use this command to list all patches applied to a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics applied-patches -s|--service-name serviceName
  [-f|--filter filter1=filterName,filter2=filterName]
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Specifies the name of the service.
`-f|--filter`	(Optional) String used to filter the results. Valid operatives are : =, !=, >=, and <=. For example, to filter the results on a specific patch category and type, set the filter as follows : `patchCategory=general,patchType!=security`. **Default:** `null`
`-of|--output-format`	(Optional) Output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary.

Example

```
$ psm analytics applied-patches -s exampleService -f
patchCategory=general,patchType!=security
[
    {
        "additionalNote":"Patch-cli-test",
        "appliedBy":"weblogic",
        "appliedDate":"Apr 28, 2016 5:39:41 PM",
```

```
        "backupId":"1461865468064",
        "backupStatus":"Available",
        "componentPatches":{
            "WLS":{

"expectedAppliedPatches":"opatch:22331568,19030178,19154304,19795066,18
905788,19632480,19002423",
                "id":77,
                "preserveFiles":[],
                "releaseVersion":"12.2.1.0.160219",
                "version":"12.2.1.0.160219",
                "zipBundles":{
                    "WLS":{
                        "id":77,
                        "md5sum":"7c9e6f3fe79e11b41ddadeee9431430e",
                        "provisioningObjectRef":"OAC/
12.2.1.0.160119/160106/fmiddleware.zip",
                        "storageKey":"PATCH/WLS/Patch_12.2.1.0.160119",
                        "zipVersion":"12.2.1.0.160219"
                    }
                }
            }
        },
.
.
.
        ],
        "releaseDate":"Jan 19, 2016 1:40:00 AM",
        "resultMessage":"Completed",
        "rollbackId":"1",
        "rollbackVersion":"WLS 12.2.1.0.160119",
        "toVersion":"12.2.1.0.160219",
        "totalTime":"15 min, 57 sec"
    }
]
```


psm analytics available-patches

Use this command to list all available patches for a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analytics available-patches -s|--service-name serviceName
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Name of the service.
`-of|--output-format`	(Optional) Output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm analytics available-patches -s exampleService
[
    {
        "availablePatchGuiMetadata":{
            "supportsPreCheck":true
        },
        "componentPatches":{
            "analytics":{
                "id":58,
                "preserveFiles":[],
                "releaseVersion":"1.8.0_85",
                "version":"1.8.0_85",
                "zipBundles":{
                    "analytics":{
                        "id":58,
                        "md5sum":"1c83952c16d11f65d9142d4bfa0e1cb9",
                        "provisioningObjectRef":"analytics/8.0.71/160106/
analytics.zip",
                        "storageKey":"patch...",
                        "zipVersion":"1.8.0_85"
                    }
                }
            }
        },
        "displayName":"1.8.0_85",
        "entryDate":"Apr 1, 2016 8:01:41 AM",
        "entryUserId":"weblogic",
        "includesConfigUpgrade":false,
        "induceDownTime":false,
        "isAutoApply":false,
        "isCustomerVisible":false,
        "isDeleted":false,
        "patchCategory":"ANALYTICS",
        "patchComponents":[
            {
                "component":"ANALYTICS",
                "id":58,
                "md5sum":"1c83952c16d11f65d9142d4bfa0e1cb9",
                "patchingObjectRef":"PATCH/analytics/analytics.8.0_71",
                "preserveFiles":[],
                "provisioningObjectRef":"ANALYTICS/8.0.71/160106/
```

```
analytics.zip",
                "version":"1.8.0_85"
            }
        ],
        "patchDescription":"Update to latest version of Analytics,
1.8.0_85. This is a test only patch",
        "patchId":"Test_Patch_analytics.8.0_85",
        "patchNumber":"1.8.0_85",
        "patchReleaseUrl":"http://www.oracle.com/technetwork/analytics/
test/test-2773756.html",
        "patchSeverity":"Normal",
        "patchType":"analytics",
        "releaseDate":"Jan 14, 2016 8:00:00 AM",
        "releaseVersion":"1.8.0_85",
        "requiresRestart":true,
        "serviceType":"PaaS",
        "serviceTypeVersions":"ANY",
        "serviceVersion":"12cRelease2"
    }
]
```

psm analytics backup

Use this command to initiate an on-demand backup for a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics backup -s|--service-name serviceName
   [-k|--keep-forever]
   [-f|--full true|false]
   [-n|--notes free form note]
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameters	Description
`-s|--service-name`	Name of the service.
`-k|--keep-forever`	(Optional) For full backups, omit this parameter to specify no expiration date. By default, backups are retained for the default retention period defined in the backup configuration.
`-f|--full`	(Optional) Specifies whether to start a full (true) backup. Full backups contain runtime and configuration artifacts.
`-n|--notes`	(Optional) Free-form text to provide additional information about the backup.

Parameters	Description
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics backup -s example1Service -n On-demand-backup-request
{
    "job_id":"34270",
    "operationName":"start-backup",
    "target_uri":"http://myserver.us.mycorp.com:7103/paas/service/
analytics/api/v1.1/instances/myteamabca/example1Service/backups/
1461871652240"
}
Job ID : 34270
```

Note that this command returned a job ID. To see the status of your `create-service` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34270
```

When you see the message:

```
    "operationId":364,
    "operationType":"BACKUP",
    "serviceId":364,
    "serviceName":"example1Service",
    "serviceType":"paas",
    "startDate":"2016-04-28T19:27:32.248+0000",
    "status":"SUCCEED",
    "summaryMessage":"BACKUP"
```

the service was successfully backed up.

psm analytics create-access-rule

Use this command to create an access rule for a service created with Oracle Analytics Cloud - Classic.

Syntax

```
psm analytics create-access-rule -s|--service-name serviceName
  -c|--config-payload pathToJSONFile
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the service.
`-c|--config-payload` *`pathToJSONFile`*	Path to the JSON file that contains the configuration parameters for accessing the Oracle Analytics Cloud service.
`-of|--output–format` *`json|html|short`*	(Optional) Desired output format. **Accepted values:** `json, html, short`

Examples

```
$ psm analytics create-access-rule -s ExampleService -c
D:\cli_apps\access-rule-analytics.json
```

Response:

```
"Accepted"
```

psm analytics create-service

Use this command to create a service with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analytics create-service -c|--config-payload pathToConfig-Payload
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`–c|--config-payload`	Path to the JSON file that contains the configuration parameters for accessing the Oracle Analytics Cloud - Classic service.
`–of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics create-service -c /home/templates/create-analytics-
service.json
"Accepted"
Job ID : 25148
```

Note that this command returned a job ID. To see the status of your `create-service` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 25148
```

When you see the message:

```
 "operationId":364,
 "operationType":"CREATE_SERVICE",
 "serviceId":364,
 "serviceName":"Example1Service",
 "serviceType":"analytics",
 "startDate":"2017-02-28T17:04:41.931+0000",
 "status":"SUCCEED",
 "summaryMessage":"CREATE_SERVICE"
```

the service was successfully created.

psm analytics delete-access-rule

Use this command to delete an access rule for a service created with Oracle Analytics Cloud - Classic.

You can delete access rules of the USER type but not of the DEFAULT or SYSTEM type.

Syntax

```
psm analytics delete-access-rule -s|--service-name serviceName
  -r|--rule-name ruleName
    -of|--output-format json|html|short
```

Parameters

Parameter	Description
`-s|--service-name`	Name of the service.
`-r|--rule-name`	The name of the access rule you want to delete
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics delete-access-rule -s ExampleService -r corp_vnc
```

psm analytics delete-backup

Use this command to delete a backup of a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics delete-backup -s|--service-name serviceName
   [-b|--backup-id backupId]
   [-l|--backup-id-list backupId_1 {backupId_2  ...}]
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Name of the service.
`-b|--backup-id`	(Optional) ID of the backup that you want to delete. To retrieve the backup ID, use the analytics view-backups command.
`-l|--backup-id-list`	(Optional) List of backup IDs that you want to delete. To retrieve the backup IDs, see `analytics view-backups`. If the list contains the ID for a full backup, all of its related (non-deleted) incremental backups must be included in the list. Use the `includeLinkedDetails` argument to retrieve related backups for a backup as described in analytics view-backups command.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics delete-backup -s Example1Service -b 1461867758288
{
    "job_id":"34325",
    "operationName":"delete-backup",
    "target_uri":"http://myserver.us.mycorp.com:7103/paas/service/
analytics/api/v1.1/instances/myteamabca/Example1Service/deletedbackups/
34325"
}
Job ID : 34325
```

Note that this command returned a job ID. To see the status of your `delete-backup` operation, use this ID with the analytics operation-status command:

```
$ psm analytics operation-status -j 34325
```

When you see the message:

```
   "operationId":364,
   "operationType":"DELETE_BACKUP",
   "serviceId":364,
   "serviceName":"Example1Service",
   "serviceType":"analytics",
```

```
"startDate":"2016-04-28T20:01:58.024+0000",
"status":"SUCCEED",
"summaryMessage":"DELETE_BACKUP"
```

the backup was successfully deleted.

psm analytics delete-service

Use this command to delete a service created with Oracle Analytics Cloud - Classic. Once deleted, your account is no longer charged.

> **Note:**
>
> Only an Oracle Analytics Cloud - Classic administrator can use this command.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics delete-service -s|--service-name ServiceName
  -n|--dba-name dbaName
  -p|--dba-password dbaPassword
    [-f|--force-delete true|false]
    [-i|--skip-backup-on-terminate true|false]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Name of the service you want to delete.
`-n|--dba-name`	Username for the Oracle Database Cloud service administrator.
`-p|--dba-password`	Password for the Oracle Database Cloud service administrator.
`-f|--force-delete`	(Optional) Forces the removal of the Oracle Analytics Cloud - Classic service, regardless of whether there are processes running. **Default:** `false`
`-i|--skip-backup-on-terminate`	(Optional) Skips backing up the service before deleting it. **Default:** `true`
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `[json, html, short]`

Example

```
$ psm analytics delete-service -s Example1Service -n SYS -p password
```

Note that this command returns a job ID. To see the status of your `delete-service` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34373
```

When you see the message:

```
    "operationId":364,
    "operationType":"DELETE_SERVICE",
    "serviceId":364,
    "serviceName":"Example1Service",
    "serviceType":"analytics",
    "startDate":"2017-02-28T21:50:47.192+0000",
    "status":"SUCCEED",
    "summaryMessage":"DELETE_SERVICE"
```

the service was successfully deleted.

psm analytics disable-access-rule

Use this command to disable an active access rule for a service created with Oracle Analytics Cloud - Classic.

The access rule must exist for your service and be in the enabled status before you can disable it. To determine whether the access rule exists and if it's enabled, use the psm analytics access-rules command. If the rule is enabled, the status line will so indicate:

```
 {
     "description":"",
     "destination":"",
     "ports":"22",
     "ruleName":"corp_vnc",
     "ruleType":"DEFAULT",
     "source":"PUBLIC-INTERNET",
     "status":"enabled"
},
```

You can re-enable the rule by using the psm analytics enable-access-rule command. You can disable rules of both USER and DEFAULT types.

Syntax

```
psm analytics enable-access-rule -s|--service-name serviceName
 -r|--rule-name ruleName
   [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name`	Name of the service.
`-r|--rule-name`	The name of the rule you want to disable.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics disable-access-rule -s Example1Service -r corp_vnc
```

Response:

```
{
    "description":"",
    "destination":"",
    "ports":"22",
    "ruleName":"corp_vnc",
    "ruleType":"DEFAULT",
    "source":"PUBLIC-INTERNET",
    "status":"disabled"
}
```

psm analytics enable-access-rule

Use this command to enable an access rule for a service created with Oracle Analytics Cloud - Classic.

The access rule must exist for your service and its status must be disabled before you can enable it. To determine whether the access rule exists and if it's disabled, use the psm analytics access-rules command. If the rule is disabled, the status line indicates:

```
 {
     "description":"",
     "destination":"",
     "ports":"22",
     "ruleName":"corp_vnc",
     "ruleType":"DEFAULT",
     "source":"PUBLIC-INTERNET",
     "status":"disabled"
},
```

You can disable rules of both types USER and DEFAULT.

Syntax

```
psm analytics enable-access-rule -s|--service-name serviceName
  -r|--rule-name ruleName
     [-of|--output-format json|html|short]
```

Parameters

Option	Description
`-s|--service-name serviceName`	Name of the service.
`-r|--rule-name ruleName`	Name of the rule you want to enable.
`-of|--output-format json|html`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics enable-access-rule -s Example1Service -r corp_vnc
```

Response:

```
{
    "description":"",
    "destination":"",
    "ports":"22",
    "ruleName":"corp_vnc",
    "ruleType":"DEFAULT",
    "source":"PUBLIC-INTERNET",
    "status":"enabled"
}
```

psm analytics operation-status

Use this command to track the status of a command-line operation performed on a service created with Oracle Analytics Cloud - Classic; for example, `psm analytics scale` or `psm analytics create-service`.

A number of commands return a numeric job ID, indicating that processing has commenced. When you use `psm analytics operation-status`, you must include this job ID with the command. Be aware that, when you run this command, some operations take longer to complete than others. You might need to repeat it a few times before you see the `STATUS: SUCCEED` message.

Syntax

In the following syntax, line breaks are added for clarity. Don't include them when entering the command.

```
psm analytics operation-status -j|--job-id jobId
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-j|--job-id`	Job ID of the operation.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics operation-status -j 505
```

psm analytics patch

Use this command to apply a patch a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analytics patch -s|--service-name serviceName
  -p|--patch-id patchId
    [-n|--additional-note free form note text]
    [-h|--dg-status-ha-policy REQUIRE_STATUS_HA | PREFER_STATUS_HA |
IGNORE_STATUS_HA]
    [-g|--dg-status-ha-state NODE-SAFE | MACHINE-SAFE]
    [-t|--dg-status-ha-timeout-secs nnn]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Specifies the name of the service.
`-p|--patch-id`	String that identifies the patch. To retrieve the patch ID, use the `analytics available-patches` command.
`-n|--additional-note`	(Optional) Free-form text to provide additional information about the patch.

Parameter	Description
`-h|--dg-status-ha-policy`	(Optional) Determines how the script handles checking for `StatusHA`. Accepted values are: • `REQUIRE_STATUS_HA` : Wait for `StatusHA` to reach the given state. If the given timeout value is reached before reaching the given state, patching fails. • `PREFER_STATUS_HA` : Wait for `StatusHA` to reach the given state. If the given timeout value is reached before reaching the given state, patching continues with the possibility of data loss. • `IGNORE_STATUS_HA` : Don't check `StatusHA`. **Default:** REQUIRE_STATUS_HA This command is applicable only for a service running with Oracle Coherence enabled.
`-g|--dg-status-ha-state`	(Optional) Applicable only for a service that has Oracle Coherence enabled. Target `StatusHA` state for the Coherence distributed services. Accepted values are: • NODE-SAFE • MACHINE-SAFE **Default:**: `NODE-SAFE`
`-t|--dg-status-ha-timeout-secs`	(Optional) Number of seconds to wait for `StatusHA` to reach the given state before timing out. **Default:** 300 seconds This command is applicable only for a service running with Oracle Coherence enabled.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics patch -s Example1Instance -p
Test_Patch_12.2.1.0.160119 -n Patch-cli-test
{
    "details":{
        "jobId":"34184",
        "message":"ANALYTICS-PATCHING-5068: Patching service with
patch [Test_Patch_12.2.1.0.160119] is submitted as an asynchronous
job."
    },
    "status":"Completed"
}
Job ID : 34184
```

Note that this command returned a job ID. To see the status of your `patch` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34184
```

When you see the message:

```
 "operationId":364,
 "operationType":"PATCH",
```

```
 "serviceId":364,
 "serviceName":"Example1Service",
 "serviceType":"analytics",
 "startDate":"2016-04-28T17:39:41.618+0000",
 "status":"SUCCEED",
 "summaryMessage":"PATCH"
```

the service was successfully patched.

psm analytics precheck-patch

Use this command before patching a service created with Oracle Analytics Cloud - Classic so you can identify potential issues that might prevent the specified patch from completing successfully.

Patching precheck reports on the following conditions:

- Disk space shortage.
- Database connectivity failure.
- Server access failure.
- Storage access failure.

Prechecks don't check whether another administration task (backup, restoration, or scaling) is in progress, although these also prevent patching.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analytics precheck-patch -s|--service-name serviceName
  -p|--patch-id patchId
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Specifies the name of the service.
`-p|--patch-id`	Patch ID for the patch that requires to have a precheck done.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics precheck-patch -s Example1Service -p
Test_Patch_12.2.1.0.160119
{
    "details":{
        "jobId":"34177",
        "message":"Analytics-PATCHING-5227: Pre-Checking service for patch
```

```
[Test_Patch_12.2.1.0.160119] is submitted as an asynchronous job."
    },
    "status":"Completed"
}
Job ID : 34177
```

Note that this command returned a job ID. To see the status of your `precheck-patch` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34177
```

When you see the message:

```
  "operationId":364,
  "operationType":"PRECHECK",
  "serviceId":364,
  "serviceName":"Example1Service",
  "serviceType":"analytics",
  "startDate":"2016-04-28T17:31:32.494+0000",
  "status":"SUCCEED",
  "summaryMessage":"PRECHECK"
```

the patch precheck is complete.

psm analytics restart

Use this command to restart a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics restart -s|--service-name service-name
  -c|--config-payload path-to-json-payload
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`service-name`*	Specifies the name of the service.
`-c|—config-payload`	Path to the JSON file that contains the configuration parameters for accessing the service.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: JSON, HTML, or SHORT. The default output format is the one you specified when using the `psm setup` command to configure the `psm` Command Line Interface.

JSON Payload

The JSON payload has the following syntax:

```
{
    "force":"",
    "allServiceHosts":"",
    "components":{
        "analytics":{
            "hosts":""
        }
    }
}
```

Parameter	Description
`force`	(Optional) Set to `True` to force the operation, even if blocking errors are generated.
`allServiceHosts`	(Optional) set to `True` to apply the command to all host names associated with the service name. This parameter can be the only parameter in the payload.
`components`	Container for Oracle Analytics Cloud - Classic components and host information.
`analytics`	The service type.
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named analytics–aas, the host name takes the format analytics–aas-bi-1.

Examples

The following example restarts the `analytics-aas` service.

```
$ psm Analytics restart -s analytics-aas -c /tmp/restart-service-payload.json
```

The payload for this command can be one of the following:

```
{
    "components":{
        "analytics":{
            "hosts":"[analytics-aas-bi-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":"true"
}
```

psm analytics restore

Use this command to restore a service created with Oracle Analytics Cloud - Classic from the specified backup.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics restore -s|--service-name serviceName
  -b|--backup-id backupId
    [-f|--force-scale-in true|false]
    [-n|--notes free form note content]
    [-p|--pause-otd true|false]
    [-r|--reset-binaries true|false]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Specifies the name of the service you want to restore.
`-b|--backup-id`	ID of the backup you want to restore. To retrieve the backup ID, use the `analytics view-restores` command.
`-f|--force-scale-in`	(Optional) Specifies whether to automatically scale in the service if Managed Servers are configured that aren't included in the backup being restored. If set to false and the service has Managed Servers configured that aren't included in the backup being restored, the operation fails and the following error message is displayed : `PAAS-BR-105 : Unable to restore configuration data for managed servers that aren't part of the backup. The affected managedServers are : [managedserver_x, managedserver_y]. Scale in the Oracle Analytics Cloud service to remove these managed servers' nodes and then try to restore the Oracle Analytics Cloud Service again.`  **Default:** `false` (the service shouldn't be scaled in automatically) This setting is valid only when you are restoring configuration data (`restoreConfig` is set to true).
`-n|--notesnotes`	(Optional) Free-form text to provide additional information about the restore operation.

Parameter	Description
`-p|--pause-otd`	(Optional) Specifies whether to pause the load balancer during the restore process. If set to true, the load balancer pauses and stops forwarding requests to the Managed Servers in the service during the restore process, and responds with an HTTP 503 status code to client requests. After the restore process completes, the load balancer restarts. If pause or restart of the load balancer fails, for example, because the load balancer Administration Server isn't available, the restore process proceeds. The restore process fails however, if the load balancer health check fails. Don't rely on this feature if you need to perform any manual tasks once the restore completes. . **Default:** `false` This setting is valid only if the load balancer is enabled.
`-r|--reset-binaries`	(Optional) Specifies whether to reset the Oracle WebLogic Server and the JDK software to the versions that correspond to the official patch set update (PSU) level of the software that the service is currently running. **Default:** `false` (do not replace the binary files) To restore software to an older version, initiate a roll back of the appropriate patch.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics restore -s Example1Service -b 1386382930068
{
    "job_id":"34276",
    "operationName":"restore-backup",
    "target_uri":"http://myserver.us.mycorp.com:7103/paas/service/
analytics/api/v1.1/instances/myteamabca/Example1Service/restoredbackups/
34276"
}
Job ID : 34276
```

Note that this command returned a job ID. To see the status of your `restore` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34276
```

When you see the message:

```
    "operationId":364,
    "operationType":"RESTORE",
    "serviceId":364,
    "serviceName":"Example1Service",
    "serviceType":"analytics",
```

```
    "startDate":"2016-04-28T19:45:41.907+0000",
    "status":"SUCCEED",
    "summaryMessage":"RESTORE"
```

the service instance was successfully restored.

psm analytics rollback

Use this command to roll back a patch for a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics rollback -s|--service-name serviceName
  -r|--rollback-id nn
    [-n|--additional-note free form text content]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Specifies the name of the service.
`-r|--rollback-id`	String identifying the patch operation to be rolled back. To retrieve the rollback ID, use analytics applied-patches command.
`-n||--additional-note`	(Optional) Free-form text to provide additional information about the patch.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics rollback -s Example1Service -r 1{
    "details":{
        "jobId":"34361",
        "message":"ANALYTICS-PATCHING-5038: Rollback of service from
patch [Test_Patch_12.2.1.0.160119] is submitted as an asynchronous
job."
    },
    "status":"Completed"
}
```

Note that this command returned a job ID. To see the status of your patch `rollback` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34361
```

When you see the message:

```
"operationId":364,
"operationType":"ROLLBACK",
"serviceId":364,
"serviceName":"Example1Service",
"serviceType":"analytics",
"startDate":"2016-04-28T21:37:51.458+0000",
"status":"SUCCEED",
"summaryMessage":"ROLLBACK"
```

the patch was successfully rolled back.

psm analytics scale

Use this command to scale the shape (OCPUs and memory) of a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm Analytics scale -s|--service-name service-name
  -c|--config-payload path-to-json-file
    [-of|--output-format json|html|short]
    [-wc, --wait-until-complete <value>]
```

where the JSON file contains the following:

```
{     "components":
   {         "BI":
    {             "shape":"shape-name",
            "hosts":["host-name"]
         }
     }
 }
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Name of the service.
`-c|--config-payload` *`path-to-json-file`*	The path to the JSON payload file.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) The output format of the command's response: • `json` — Output is formatted as a JSON array. • `html` — Output is formatted as HTML • `short` — Output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc, --wait-until-complete <value>`	(Optional) Wait until the command is complete. Valid values are `[true, false]`. Default is `false`.

JSON Payload

The JSON payload has the following syntax:

```
{     "components":
   {          "BI":
    {              "shape":"shape-name",
             "hosts":["host-name"]
          }
     }
 }
```

Parameter	Description
`components`	Container for Oracle Analytics Cloud - Classic components (analytics), host, and shape information.
`BI`	The service type. For services created with Oracle Analytics Cloud - Classic, this is `BI`.
`shape`	The required shape. Valid values for *`shape`* are as follows: • `oc3` — 1 OCPU with 7.5 GB RAM • `oc4` — 2 OCPUs with 15 GB RAM • `oc5` — 4 OCPUs with 30 GB RAM • `oc6` — 8 OCPUs with 60 GB RAM • `oc7` — 16 OCPUs with 120 GB RAM • `oc8` — 24 OCPUs with 180 GB RAM • `oc9` — 32 OCPUs with 240 GB RAM • `oc1m` — 1 OCPU with 15 GB RAM • `oc2m` — 2 OCPUs with 30 GB RAM • `oc3m` — 4 OCPUs with 60 GB RAM • `oc4m` — 8 OCPUs with 120 GB RAM • `oc5m` — 16 OCPUs with 240 GB RAM • `oc8m` — 24 OCPUs with 360 GB RAM • `oc9m` — 32 OCPUs with 480 GB RAM

Parameter	Description
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named analytics–aas, the host name takes the format analytics–aas-bi-1. Valid values for *`hosts`* are the host name as listed in the service's **Overview** page, and the contents of the `adminHostName` output by the `service` command.

Examples

The following example scales the `analytics-aas` service to the `oc5` shape.

```
$ psm analytics scale -s analytics-aas -c ~/opc-json-files/scale-to-oc5.json
```

where the JSON file contains the following:

```
{     "components":
   {          "BI":
    {             "shape":"oc5",
            "hosts":["analytics-aas-bi-1"]
         }
      }
 }
```

psm analytics scale-in

Scale in an Oracle Analytics Cloud - Classic cluster by removing nodes.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analytics scale-in -s|--service-name serviceName
  -n|--name name
  -c|--config-payload pathToJson
     [-of|--output-format json|html|short]
     [-wc, --wait-until-complete <value>]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the service.
`-c|—config-payload`	Path to the JSON file containing payload for this command.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc, --wait-until-complete <value>`	(Optional) Wait until the command is complete. Valid values are `[true, false]`. The default value is `false`.

Sample Payload

Required properties are indicated as "required". Replace with real values in the actual payload.

```
{
  "force":"",
    "components":{
          "BI":{
              "hosts":["required"]
      }
  }
}
```

For example, to scale in one host, that is, remove one node in the cluster:

```
{
      "components":{
          "BI":{ "hosts":["ExampleHost-2"]
      }
  }
}
```

Examples

```
$ psm analytics scale-in -s MyAnalyticsCloudClassicService -c  -c c://
home/templates/scale-in-payload.json -of json
{
    "details":{
        "jobId":"34206",
        "message":"ANALYTICS-SCALING-044: Scaling in Job (ID: 34206)
server name [Examp_server_2] submitted for service
[MyAnalyticsCloudClassicService]"
    },
    "status":"New"
}
Job ID : 34206
```

Note that this command returned a job ID. To see the status of your `scale-in` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34206 -of json
```

When you see the message:

```
"operationId":364,
"operationType":"SCALE_IN",
"resourceId":1073,
"resourceName":"example1instance-wls-2",
"resourceType":"VM",
"serverType":"WLS",
"serviceId":364,
"serviceName":"MyAnalyticsCloudClassicService",
"serviceType":"analytics",
"startDate":"2017-04-28T18:21:27.539+0000",
"status":"SUCCEED",
"summaryMessage":"Examp_server_2"
```

the service was successfully scaled-in.

psm analytics scale-out

Scale out an Oracle Analytics Cloud - Classic cluster by adding new nodes.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics scale-out -s|--service-name serviceName
  -c|--config-payload pathToJson
    [-of|--output-format json|html|short]
    [-wc, --wait-until-complete <value>]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the service.
`-c|--config-payload` *`pathToJson`*	Path to the JSON file containing payload for this command.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc, --wait-until-complete <value>`	(Optional) Wait until the command is complete. Valid values are `[true, false]`. The default value is `false`.

Sample Payload

Required properties are indicated as "required". Replace with real values in the actual payload.

```
{
  "noRollback":"",
    "components":{
          "BIServerCount":"required"{
              "ipReservations":[]
      }
  }
}
```

For example,

```
{
      "components":{
      "BI": {
          "BIServerCount":"1",
      }
  }
}
```

Example

```
psm analytics scale-out -s MyAnalyticsCloudClassicService -c c://home/
templates/scale-out-payload.json  -of json
{
    "details":{
        "jobId":"34196",
        "message":"ANALYTICS-SCALING-037: Scale out Job (ID: 34196)
for service [MyAnalyticsCloudClassicService] in cluster
[Examp_cluster] submitted"
    },
    "status":"New"
}
Job ID : 34196
```

Note that this command returned a job ID. To see the status of your `scale-out` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34196 -of json
```

When you see the message:

```
    "operationId":364,
    "operationType":"SCALE_OUT",
    "resourceId":1073,
    "resourceName":"example1instance-wls-2",
    "resourceType":"VM",
```

```
    "serverType":"WLS",
    "serviceId":364,
    "serviceName":"MyAnalyticsCloudClassicService",
    "serviceType":"analytics",
    "startDate":"2017-04-28T18:00:44.297+0000",
    "status":"SUCCEED",
    "summaryMessage":"Examp_server_2"
}
```

the service was successfully scaled-out.

psm analytics service

Use this command to display details of a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics service -s|--service-name serviceName
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Specifies the name of the service.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics service -s MyService01
```

psm analytics services

Use this command to list all active services created with Oracle Analytics Cloud - Classic within your identity domain. By setting the output level to verbose, you can show all details about each service; otherwise, this command lists them by name, description, last modified date and time, status, version, WebLogic Server version, and so on.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics services
    [-o|--output-level verbose]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-o|--output-level`	(Optional) Specifies that the response is to include the full set of details for each service. Accepted values: • `verbose`: include the full set of details for each service.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Examples

To list all active services:

```
$ psm analytics services -o verbose
```

psm analytics start

Use this command to start a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics start -s|--service-name service-name
  -c|--config-payload path-to-json-payload
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`service-name`*	Specifies the name of the service.
`-c|—config-payload`	Path to the JSON file that contains the configuration parameters for accessing the service.

Parameter	Description
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

JSON Payload

The JSON payload has the following syntax:

```
{
    "force":"",
    "allServiceHosts":"",
    "components":{
        "analytics":{
            "hosts":""
        }
    }
}
```

Parameter	Description
`force`	(Optional) Set to `True` to force the operation, even if blocking errors are generated.
`allServiceHosts`	(Optional) set to `True` to apply the command to all host names associated with the service name. This parameter can be the only parameter in the payload.
`components`	Container for the analytics component and host information.
`analytics`	The service type.
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named analytics, the host name takes the format analytics-bi-1.

Examples

The following example starts the `Example1Service` service.

```
$ psm analytics start -s Example1Service -c /tmp/restart-service-
payload.json
"Accepted"
Job ID : 34348
```

The payload for this command can be one of the following:

```
{
    "components":{
        "analytics":{
            "hosts":"[Example1Service-bi-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":"true"
}
```

Note that this command returns a job ID. To see the status of your `start` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34348
```

When you see the message:

```
    "operationId":364,
    "operationType":"START_SERVICE",
    "serviceId":364,
    "serviceName":"Example1Service",
    "serviceType":"analytics",
    "startDate":"2017-02-28T21:08:31.022+0000",
    "status":"SUCCEED",
    "summaryMessage":"START_SERVICE"
```

the service was successfully started.

psm analytics stop

Use this command to stop a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics stop -s|--service-name service-name
  -c|--config-payload path-to-json-payload
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`service-name`*	Specifies the name of the service.
`-c|—config-payload`	Path to the JSON file that contains the configuration parameters for accessing the service.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

JSON Payload

The JSON payload has the following syntax:

```
{
    "force":"",
    "allServiceHosts":"",
    "components":{
        "analytics":{
            "hosts":""
        }
    }
}
```

Parameter	Description
`force`	(Optional) Set to `True` to force the operation, even if blocking errors are generated.
`allServiceHosts`	(Optional) Set to `True` to apply the command to all host names associated with the service name. This parameter can be the only parameter in the payload.
`components`	Container for the analytics component and host information.
`analytics`	The service type.
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named analytics, the host name takes the format analytics-bi-1.

Examples

The following example stops the `Example1Service` service.

```
$ psm analytics stop -s Example1Service -c /tmp/stop-service-payload.json
"Accepted"
Job ID : 34348
```

The payload for this command can be one of the following:

```
{
    "components":{
        "analytics":{
            "hosts":"[Example1Service-bi-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":"true"
}
```

Note that this command returns a job ID. To see the status of your `stop` operation, use this ID with the psm analytics operation-status command:

```
$ psm analytics operation-status -j 34348
```

When you see the message:

```
    "operationId":364,
    "operationType":"STOP_SERVICE",
    "serviceId":364,
    "serviceName":"Example1Service",
    "serviceType":"analytics",
    "startDate":"2017-02-28T21:08:31.022+0000",
    "status":"SUCCEED",
    "summaryMessage":"STOP_SERVICE"
```

the service was successfully stopped.

psm analytics update-backup-config

Use this command to update the backup configuration of a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics update-backup-config -s|--service-name ServiceName
    -c|--config-payload pathToJSONFile
        [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the service.
`-c|--config-payload` *`pathToJSONFile`*	Path to the JSON file that contains the configuration parameters for accessing the Oracle Analytics Cloud service.

JSON Payload

The json payload has the following syntax:

```
{
    "defaultRetention":"",
    "fullBackupSchedule":{
        "dayOfWeek":"",
        "hour":"required",
```

```
        "minute":""
    },
    "incrementalBackupSchedule":{
        "dayOfWeek":"",
        "hour":"required",
        "minute":""
    },
    "backups":""
}
```

Parameter	Description
`"defaultRetention"`	Defines the number of days the backup is retained before it is automatically deleted.
`"fullBackupSchedule"`	Defines the schedule for the full backup. The following parameters must be set: • `dayOfWeek`—the 3–letter code for the day on which the full backup is performed. `Wed` for Wednesday, for example. • `hour`—the hour of the day at which the full backup is performed. For example, `14` for 2pm • `Minute`—the minute at which the full backup is performed. For example, `30` for 30 minutes past the hour.
`"incrementalBackupSchedule"`	Defines the schedule for the incremental backup. The following parameters must be set: • `dayOfWeek`—the 3–letter code for the day on which the incremental backup is performed. `Wed` for Wednesday, for example. • `hour`—the hour of the day at which the incremental backup is performed. For example, `14` for 2pm • `Minute`—the minute at which the incremental backup is performed. For example, `30` for 30 minutes past the hour.
`"backups"`	Defines whether the backups are enabled. Possible values are `ENABLE` or `DISABLE`.

Examples

The following example updates the backup configuration of the `analytics-aas` instance to full backup every Sunday at 12:11, and the incremental backup to 11:11 every day, with a default retention of 32 days:

```
$ psm analytics update-backup-config -s analytics-aas -c /tmp/update-backup-payload.json
```

where the payload for this command is:

```
{
    "defaultRetention":"32",
    "fullBackupSchedule":{
        "dayOfWeek":"Sun",
```

```
        "hour":"12",
        "minute":"11"
    },
    "incrementalBackupSchedule":{
        "dayOfWeek":"",
        "hour":"11",
        "minute":"11"
    },
    "backups":"ENABLE"
}
```

psm analytics view-backup

Use this command to display the backup of a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics view-backup -s|--service-name serviceName
    [-b|--backup-id backupId]
    [-d|--include-linked-details true|false]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameters	Description
`-s|--service-name`	Specifies the name of the service.
`-b|--backup-id`	Job ID of backup operation. To retrieve the Job ID, use view-backups command.
`-d|--include-linked-details`	(Optional) Specifies whether to include information about related backups. Specifically: • For a full backup, includes information about all incremental backups performed since the last full backup. • For an incremental backup, includes information about the previous full backup. Defaults to false, excluding information about related backups.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics view-backup -s Example1Service -b 1461867758288
{
    "backupCompleteDate":"Thu Apr 28 18:23:43 GMT 2016",
    "backupId":"1461867758288",
    "backupStartDate":"Thu Apr 28 18:22:38 GMT 2016",
```

```
    "databaseIncluded":false,
    "expirationDate":"Sat May 28 18:22:38 GMT 2016",
    "full":true,
    "href":"http://myserver.us.mycorp.com:7103/paas/service/analytics/api/
v1.1/instances/myteamabca/Example1Service/backups/1461867758288",
    "initiatedBy":"weblogic",
    "jobHistory":[
        {
            "completeDate":"Thu Apr 28 18:23:43 GMT 2016",
            "jobId":"34207",
            "operation":"backup",
            "startDate":"Thu Apr 28 18:22:38 GMT 2016",
            "status":"Completed",
            "statusDetails":"Backup health check passed...Locked the
WebLogic Server domain configuration...Started the backup of configuration
data for WebLogi
c Server managed servers on these hosts: ['edsexample1service-wls-2',
'edsexample1service-wls-1']...Completed the backup of configuration data for
WebLogic Se
rver managed servers on these hosts: edsexample1service-wls-2
edsexample1service-wls-1 ...Unlocked the WebLogic Server domain
configuration...Uploading the ba
ckup archive to the Oracle Storage Cloud Service container...Uploaded the
backup archive to the Oracle Storage Cloud Service container..."
        }
    ],
    "jobId":"34207",
    "local":false,
    "localCopy":true,
    "serviceComponents":[
        {
            "type":"",
            "version":"1.8.0_71"
        },
        {
            "type":"OTD",
            "version":"12.2.1.0.0"
        },
        {
            "type":"OTD_??",
            "version":"1.8.0_71"
        },
        {
            "type":"WLS",
            "version":"12.2.1.0.160219"
        }
    ],
    "size":"3.3MB",
    "sizeInBytes":3462606,
    "status":"Completed"
}
```

psm analytics view-backup-config

Use this command to list backup configurations of a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics view-backup-config -s|--service-name serviceName
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Name of the service.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics view-backup-config -s Example1Service
{
    "backupDestination":"BOTH",
    "cloudStorageContainer":"Storage-StorageEval01admin/PaaSBackup",
    "cloudStorageUser":"Storageadmin",
    "defaultRetention":"30 days",
    "fullBackupSchedule":{
        "dayOfMonth":"*",
        "dayOfWeek":"Fri",
        "hour":"5",
        "minute":"25",
        "month":"*",
        "second":"0",
        "year":"*"
    },
    "incrementalBackupSchedule":{
        "dayOfMonth":"*",
        "dayOfWeek":"Sun,Mon,Tue,Wed,Thu,Sat",
        "hour":"5",
        "minute":"25",
        "month":"*",
        "second":"0",
        "year":"*"
    },
    "lastBackupDate":"Thu Apr 28 18:22:38 GMT 2016",
    "nextFullBackupDate":"Fri Apr 29 05:25:00 GMT 2016",
    "nextIncrementalBackupDate":"Sat Apr 30 05:25:00 GMT 2016",
    "percentBackupVolumeUsed":0.0033531999215483665,
```

```
    "totalBackupVolumeUsed":"6.9MB",
    "totalBackupVolumeUsedInBytes":7200942,
    "totalCloudStorageContainerUsed":"6.9MB",
    "totalCloudStorageContainerUsedInBytes":7200942
}
```

psm analytics view-backups

Use this command to list all backups of a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics view-backups -s|--service-name serviceName
   [-f|--full-backups-only true|false]
   [-a|--include-all true|false]
   [-n|--include-complete-notes true|false]
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameters	Description
`-s|--service-name`	Name of the service.
`-f|--full-backups-only`	(Optional) Specifies whether to display full backups only. **Default:** `false` (including both full and incremental backups)
`-a|--include-all`	(Optional) Specifies whether to display all backups, including successful, failed, and deleted backups. **Default:** `false` (including both full and incremental backups)
`-n|--include-complete-notes`	(Optional) Specifies whether to display the complete set of notes for each backup. **Default:** `false` (truncating notes that are greater than 32 characters)
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics view-backups -s Example1Service
{
    "backups":[
        {
            "backupCompleteDate":"Thu Apr 28 17:45:33 GMT 2016",
            "backupId":"1461865468064",
            "backupStartDate":"Thu Apr 28 17:44:28 GMT 2016",
            "databaseIncluded":false,
            "expirationDate":"Sat May 28 17:44:28 GMT 2016",
```

```
            "full":true,
            "href":"http://myserver.us.mycorp.com:7103/paas/service/
analytics/api/v1.1/instances/myteamabca/Example1Service/backups/
1461865468064",
            "initiatedBy":"weblogic",
            "jobId":"34188",
            "local":false,
            "localCopy":true,
            "notes":"Backup for applying patch...",
            "serviceComponents":[
                {
                    "type":"JDK",
                    "version":"1.8.0_71"
                },
                {
                    "type":"OTD",
                    "version":"12.2.1.0.0"
                },
                {
                    "type":"OTD_JDK",
                    "version":"1.8.0_71"
                },
                {
                    "type":"WLS",
                    "version":"12.2.1.0.160119"
                }
.
.
.
            "size":"3.3MB",
            "sizeInBytes":3462606,
            "status":"Completed"
        }
    ]
}
```

psm analytics view-restore

Use this command to list a specified restore operation for a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics view-restore -s|--service-name serviceName
  -j|--job-id jobId
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Name of the service.
`-j|--job-id`	Job ID of the restore operation. To retrieve the job ID, use `analytics view-restores` command.
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics view-restore -s Example1Service -j 34276
{
    "backupDate":"Thu Apr 28 18:22:38 GMT 2016",
    "backupId":"1461867758288",
    "configDataIncluded":true,
    "databaseIncluded":false,
    "jobId":"34276",
    "otdIncluded":false,
    "recoveryCompleteDate":"Thu Apr 28 19:51:02 GMT 2016",
    "recoveryStartDate":"Thu Apr 28 19:45:41 GMT 2016",
    "staticDataIncluded":false,
    "status":"Completed",
    "statusDetails":"The backup archive already exists in the block storage
and does not need to be downloaded from the Oracle Storage Cloud Service
container..
.Submitted the restoration precheck for remote execution...Restoration
precheck passed...Submitted the restoration for remote execution...The
instance has been
scaled in to remove the following managed servers: ['edsExample1Service-
wls-2']. You must manually remove these managed servers from the
cluster...Stopping Web
Logic Server...Stopped WebLogic Server...Restoring the configuration data
for WebLogic Server administration server on host edsExample1Service-
wls-1...Restored
 the configuration data for WebLogic Server administration server on host
edsExample1Service-wls-1...Starting WebLogic Server...Started WebLogic
Server...Unloc
ked the WebLogic Server domain configuration...Completed the restoration"
}
```

psm analytics view-restores

Use this command to list all restore operations for a service created with Oracle Analytics Cloud - Classic.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm analytics view-restores -s|--service-name serviceName
   [-1|--include-failed true|false]
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Name of the service.
`-1|--include-failed`	(Optional) Specifies whether to include (`true`) or exclude (`false`) failed restoration operations. **Default:** `false`
`-of|--output-format`	(Optional) Desired output format. **Accepted values:** `json, html, short`

Example

```
$ psm analytics view-restores -s Example1Service
{
    "restoreHistory":[
        {
            "backupDate":"Thu Apr 28 18:22:38 GMT 2016",
            "backupId":"1461867758288",
            "configDataIncluded":true,
            "databaseIncluded":false,
            "jobId":"34276",
            "otdIncluded":false,
            "recoveryCompleteDate":"Thu Apr 28 19:51:02 GMT 2016",
            "recoveryStartDate":"Thu Apr 28 19:45:41 GMT 2016",
            "staticDataIncluded":false,
            "status":"Completed",
            "statusDetails":"The backup archive already exists in the
block storage and does not need to be downloaded from the Oracle
Storage Cloud Service con
tainer...Submitted the restoration precheck for remote
execution...Restoration precheck passed...Submitted the restoration
for remote execution...The instance h
as been scaled in to remove the following managed servers:
['edsExample1Service-wls-2']. You must manually remove these managed
servers from the cluster...Stop
ping WebLogic Server...Stopped WebLogic Server...Restoring the
configuration data for WebLogic Server administration server on host
edsExample1Service-wls-1...
Restored the configuration data for WebLogic Server administration
server on host edsExample1Service-wls-1...Starting WebLogic
Server...Started WebLogic Server
```

```
...Unlocked the WebLogic Server domain configuration...Completed the
restoration"
        }
    ]
}
```

6
psm analyticssub Commands

This chapter describes the PSM command-line interface commands you can use with services created with Oracle Analytics Cloud Subscription.

Category	Command
Service Instance	psm analyticssub create-service – Creates a service. psm analyticssub delete-service – Deletes a service. psm analyticssub service - Displays details of a service. psm analyticssub services – Lists all active services within your identity domain. psm analyticssub activities – Lists the activities of a service. psm analyticssub update-service - Updates the service payload.
Job Status	psm analyticssub operation-status – Shows the status of a command-line operation.

psm analyticssub activities

Use this command to list activities for a service created with Oracle Analytics Cloud Subscription.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analyticssub activities -s|--service-name service-name
    [-f|--from-start-date date]
    [-t|--to-start-date date ]
    [-a|--status NEW|RUNNING|SUCCEED|FAILED|WARN ]
    [-o|--operation-type LIST ]
    [-l|--limit-row-count integer ]
    [-e|--offset  ]
    [-d|--order-by fieldName ]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the service.

Parameter	Description
`–f|--from-start-date`	Retrieves activities performed after this date. Specifies the start of a range. If no end date is defined, uses the current date. Supported formats are ISO date and time formats: • `yyyy-MM-dd'T'HH:mm:ss` • `yyyy-MM-dd HH:mm:ss` • `yyy-MM-dd`
`–t|--to-start-date`	Specifies the end of a range. You can use it with `from-start-range`.
`–a|--status`	Specifies the types of activity required. Valid values are `NEW|RUNNING|SUCCEED|FAILED|WARN`.
`–o|--operation-type`	Specifies the types of operation required.
`-l|--limit-row-count`	Specifies how many rows of results to return. The default is `10`.
`-e|--offset`	Defines the number of activities to display. If the offset is set to 3, and 5 activities are returned, only the last 3 activities are displayed. You can combine this with `limit-row-count` to further restrict the number of activities in the result set.
`-d|--order-by`	Filter criteria that sorts the result set. Defined as `fieldName: asc|desc`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json` — output is formatted as a JSON array. • `html` — output is formatted as HTML • `short` — output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` command-line interface. See Configuring the Command Line Interface.

Examples

The following example requests the failed activities of the `analytics-001` service from 01 January 2018 to 28 February 2019:

```
$ psm analyticssub activities -s analytics-001 -f 2018-01-01 -t
2019-02-28 -a FAILED
```

psm analyticssub create-service

Use this command to create a service with Oracle Analytics Cloud Subscription.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analyticssub create-service -c|--config-payload pathToConfig-
Payload
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-c|--config-payload`	Path to the JSON file that contains the configuration parameters for accessing the service.
`-of|--output-format`	(Optional) Output format. Accepted values: `json`, `html`, `short`.

Example

```
$ psm analyticssub create-service -c /home/templates/create-analyticssub-
service.json
"Accepted"
Job ID : 25148
```

This command returned a job ID. To see the status of your `create-service` operation, use this ID with the psm analyticssub operation-status command:

```
$ psm analyticssub operation-status -j 25148
```

When you see the following message, the service was successfully created.

```
 "operationId":364,
 "operationType":"CREATE_SERVICE",
 "serviceId":364,
 "serviceName":"Example1Service",
 "serviceType":"analyticssub",
 "startDate":"2017-02-28T17:04:41.931+0000",
 "status":"SUCCEED",
 "summaryMessage":"CREATE_SERVICE"
```

psm analyticssub delete-service

Use this command to delete a service created with Oracle Analytics Cloud Subscription. Once deleted, the account is no longer charged.

> **Note:**
>
> Only an Oracle Analytics Cloud Subscription administrator can use this command.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analyticssub delete-service -s|--service-name instance-name
    -f|--force true|false
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the service you want to delete.
`-f|--force` *`true|false`*	Ensures the service is deleted even if errors occur. The default value is `false`.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it doesn't return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json` — output is formatted as a JSON array. • `html` — output is formatted as HTML • `short` — output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` command-line interface. See Configuring the Command Line Interface.

Example

```
$ psm analyticssub delete-service -s Example1Service -n SYS -p password
```

This command returns a job ID. To see the status of your `delete-service` operation, use this ID with the psm analyticssub operation-status command:

```
$ psm analyticssub operation-status -j 34373
```

When you see the following message, the service was successfully deleted.

```
"operationId":364,
"operationType":"DELETE_SERVICE",
"serviceId":364,
"serviceName":"Example1Service",
"serviceType":"analyticssub",
"startDate":"2017-02-28T21:50:47.192+0000",
"status":"SUCCEED",
"summaryMessage":"DELETE_SERVICE"
```

psm analyticssub operation-status

Use this command to track the status of a command-line operation performed on a service created with Oracle Analytics Cloud Subscription. For example, `psm analyticssub create-service`.

A number of commands return a numeric job ID, indicating that processing has commenced. When you use `psm analyticssub operation-status`, you must include this job ID with the command. Be aware that, when you run this command, some operations take longer to complete than others. You might need to repeat it a few times before you see the `STATUS: SUCCEED` message.

Syntax

In the following syntax, line breaks are added for clarity. Don't include them when entering the command.

```
psm analyticssub operation-status -j|--job-id jobId
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-j|--job-id`	Job ID of the operation.
`-of|--output-format`	(Optional) The specified output format. Accepted values: `json, html, short`.

Example

```
$ psm analyticssub operation-status -j 505
```

psm analyticssub service

Use this command to display details of a service created with Oracle Analytics Cloud Subscription.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analyticssub service -s|--service-name serviceName
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Specifies the name of the service.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`

Example

```
$ psm analyticssub service -s MyService01
```

psm analyticssub services

Use this command to list the services created with Oracle Analytics Cloud Subscription within your identity domain.

By setting the output level to verbose, you can show all details about each service; otherwise, this command lists them by name, description, last modified date and time, status, version, and so on.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analyticssub services
    [-o|--output-level verbose]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-o|--output-level`	(Optional) Specifies that the response includes the full set of details for each service. Accepted value: `verbose`: includes the full set of details for each service.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`

Examples

To list all active instances:

```
$ psm analyticssub services -o verbose
```

psm analyticssub update-service

Use this command to update a service created with Oracle Analytics Cloud Subscription.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm analyticssub update-service -s|--service-name service-name
  -c|--config-payload path-to-json-payload
    [-of|--output-format json|html|short]
    [-wc, --wait-until-complete <value>]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`service-name`*	Specifies the name of the service.
`-c|--config-payload`	Path to the JSON file that contains the configuration parameters for accessing the service.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`
`-wc, --wait-until-complete <value>`	(Optional) Wait until the command is complete. Accepted values: `[true, false]`. Default is `false`.

Examples

The following example updates the `Example1Service` service.

```
$ psm analyticssub update-service -s Example1Instance -c /tmp/update-service-payload.json
```

Required properties are indicated in quotes ("""). Replace in the actual payload with real values.

```
{
    "isBYOL":"",
    "tags":[
        {
            "key":"",
            "value":"",
            "isPlacementTag":"",
            "isResourceTag":""
        }
    ],
    "tagsToUnassign":[
        {
            "key":"",
            "value":"",
            "isPlacementTag":"",
            "isResourceTag":""
        }
```

```
        ]
    }
```

7
psm autoanalyticsinst Commands

This chapter describes the PSM command-line interface commands you can use with Oracle Analytics Cloud.

Category	Command
Service Instance	psm autoanalyticsinst create-service – Creates a service. psm autoanalyticsinst delete-service – Deletes a service. psm autoanalyticsinst service - Displays the service details. psm autoanalyticsinst services – Lists all active services within your identity domain. psm autoanalyticsinst stop-service – Pauses a service that is running. psm autoanalyticsinst start-service – Resumes a service. psm autoanalyticsinst activities – Lists the activities of a service. psm autoanalyticsinst update-service - Updates the service payload.
Scaling	psm autoanalyticsinst scale-service – Increases or decreases the number of OCPUs allocated to a service.
Job Status	psm autoanalyticsinst operation-status – Shows the status of a command-line operation.

psm autoanalyticsinst activities

Use this command to list activity associated with a service created with Oracle Analytics Cloud. For example, operations such as create, stop, start, delete, and so on.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst activities -s|--service-name service-name
    [-f|--from-start-date date]
    [-t|--to-start-date date ]
    [-a|--status NEW|RUNNING|SUCCEED|FAILED|WARN ]
    [-o|--operation-type LIST ]
    [-l|--limit-row-count integer ]
    [-e|--offset  ]
    [-d|--order-by fieldName ]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the service.

Parameter	Description
`–f|--from-start-date`	Retrieves activities performed after this date. Specifies the start of a range. If no end date is defined, uses the current date. Supported formats are ISO date and time formats: • `yyyy-MM-dd'T'HH:mm:ss` • `yyyy-MM-dd HH:mm:ss` • `yyy-MM-dd`
`–t|--to-start-date`	Specifies the end of a range. You can use it with `from-start-range`.
`–a|--status`	Specifies the types of activity required. Valid values are `NEW|RUNNING|SUCCEED|FAILED|WARN`.
`–o|--operation-type`	Specifies the types of operation required.
`-l|--limit-row-count`	Specifies how many rows of results to return. The default is `10`.
`-e|--offset`	Defines the number of activities to display. If the offset is set to 3, and 5 activities are returned, only the last 3 activities are displayed. You can combine this with `limit-row-count` to further restrict the number of activities in the result set.
`-d|--order-by`	Filter criteria that sorts the result set. Defined as `fieldName: asc|desc`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json` — output is formatted as a JSON array. • `html` — output is formatted as HTML. • `short` — output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` command-line interface. See Configuring the Command Line Interface.

Examples

The following example requests the failed activities of the `analytics-001` service from 01 January 2018 to 28 February 2019:

```
$ psm autoanalyticsinst activities -s analytics-001 -f 2018-01-01 -t
2019-02-28 -a FAILED
```

psm autoanalyticsinst create-service

Use this command to create a service with Oracle Analytics Cloud.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst create-service -c|--config-payload pathToConfig-
Payload
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`–c|--config-payload`	Path to the JSON file that contains the configuration parameters for accessing the service.
`–of|--output-format`	(Optional) Specifies the output format. Accepted values: `json`, `html`, `short`.

Example

```
$ psm autoanalyticsinst create-service -c /home/templates/create-
autoanalyticsinst-service.json
"Accepted"
Job ID : 25148
```

This command returns a job ID. To see the status of your `create-service` operation, use this ID with the psm autoanalyticsinst operation-status command:

```
$ psm autoanalyticsinst operation-status -j 25148
```

When you see the following message, the service was successfully created.

```
 "operationId":364,
 "operationType":"CREATE_SERVICE",
 "serviceId":364,
 "serviceName":"Example1Service",
 "serviceType":"autoanalyticsinst",
 "startDate":"2017-02-28T17:04:41.931+0000",
 "status":"SUCCEED",
 "summaryMessage":"CREATE_SERVICE"
```

psm autoanalyticsinst delete-service

Use this command to delete a service created with Oracle Analytics Cloud. Once deleted, the account is no longer charged.

> **Note:**
>
> Only an Oracle Analytics Cloud administrator can use this command.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst delete-service -s|--service-name instance-name
    -f|--force true|false
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the service you want to delete.
`-f|--force` *`true|false`*	Ensures the service is deleted even if errors occur. The default value is `false`.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it doesn't return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json` — output is formatted as a JSON array. • `html` — output is formatted as HTML. • `short` — output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` command-line interface. See Configuring the Command Line Interface.

Example

```
$ psm autoanalyticsinst delete-service -s Example1Service -n SYS -p
password
```

This command returns a job ID. To see the status of your `delete-service` operation, use this ID with the psm autoanalyticsinst operation-status command:

```
$ psm autoanalyticsinst operation-status -j 34373
```

When you see the following message, the service was successfully deleted.

```
"operationId":364,
"operationType":"DELETE_SERVICE",
"serviceId":364,
"serviceName":"Example1Service",
"serviceType":"autoanalyticsinst",
"startDate":"2017-02-28T21:50:47.192+0000",
"status":"SUCCEED",
"summaryMessage":"DELETE_SERVICE"
```

psm autoanalyticsinst operation-status

Use this command to track the status of a command-line operation performed on service created with Oracle Analytics Cloud. For example, `psm autoanalyticsinst scale` or `psm autoanalyticsinst create-service`.

A number of commands return a numeric job ID, indicating that processing has commenced. When you use `psm autoanalyticsinst operation-status`, you must include this job ID with the command. When you run this command, some operations take longer to complete than others. You might need to repeat it a few times before you see the `STATUS: SUCCEED` message.

Syntax

In the following syntax, line breaks are added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst operation-status -j|--job-id jobId
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-j|--job-id`	Job ID of the operation.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`

Example

```
$ psm autoanalyticsinst operation-status -j 505
```

psm autoanalyticsinst scale-service

Use this command to increase or decrease the number of Oracle Compute Units (OCPUs) available to a service created with Oracle Analytics Cloud.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst scale-service -s|--service-name service-name -capacity-
change-type increase | decrease -olpu number
  -c|--config-payload path-to-json-file
    [-of|--output-format json|html|short]
    [-wc, --wait-until-complete <value>]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	The name of the service you want to scale.
`-c|--config-payload` *`path-to-json-file`*	The path to the JSON payload file.
`capacity-change` *`value`*	Whether to increase or decrease the service capacity. Valid values are `[increase, decrease]`.
`olpu` *`number-of-olpus`*	The number of OCPUs.
`-of|--output-format json|html|short`	(Optional) The output format of the command's response: • `json` — Output is formatted as a JSON array. • `html` — Output is formatted as HTML. • `short` — Output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` command-line interface. See Configuring the Command Line Interface.
`-wc, --wait-until-complete <value>`	(Optional) Wait until the command is complete. Valid values are `[true, false]`. The default is `false`.

psm autoanalyticsinst service

Use this command to display details of a service created with Oracle Analytics Cloud.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst service -s|--service-name serviceName
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name`	Name of the service.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`

Example

```
$ psm autoanalyticsinst service -s MyService01
```

psm autoanalyticsinst services

Use this command to list all the active services created with Oracle Analytics Cloud within your identity domain.

By setting the output level to verbose, you can show all details about each managed service; otherwise, this command lists them by name, description, last modified date and time, status, version, and so on.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst services
    [-o|--output-level verbose]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-o|--output-level`	(Optional) Specifies that the response is to include the full set of details for each service. Accepted values: `verbose`
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`.

Examples

To list all active instances:

```
$ psm autoanalyticsinst services -o verbose
```

psm autoanalyticsinst start-service

Use this command to resume an Oracle Analytics Cloud service that was paused temporarily. When the service resumes, users can sign-in and billing resumes.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst start-service -s|--service-name service-name
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`service-name`*	Name of the service.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`

Examples

The following example resumes the `Example1Service` service.

```
$ psm autoanalyticsinst start-service -s Example1Service
"Accepted"
Job ID : 34348
```

The command returns a job ID. To see the status of your `start` operation, use this ID with the psm autoanalyticsinst operation-status command:

```
$ psm autoanalyticsinst operation-status -j 34348
```

When you see the following message, the service was successfully started.

```
    "operationId":364,
    "operationType":"START_SERVICE",
    "serviceId":364,
    "serviceName":"Example1Service",
    "serviceType":"autoanalyticsinst",
    "startDate":"2017-02-28T21:08:31.022+0000",
    "status":"SUCCEED",
    "summaryMessage":"START_SERVICE"
```

psm autoanalyticsinst stop-service

Use this command to pause an Oracle Analytics Cloud service to temporarily prevent access.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst stop-service -s|--service-name service-name
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`service-name`*	Name of the service.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`

Examples

The following example pauses the `Example1Service` service.

```
$ psm autoanalyticsinst stop-service -s Example1Service
"Accepted"
Job ID : 34348
```

This command returns a job ID. To see the status of your `stop` operation, use this ID with the psm autoanalyticsinst operation-status command:

```
$ psm autoanalyticsinst operation-status -j 34348
```

When you see the following message, the service has been successfully paused.

```
    "operationId":364,
    "operationType":"STOP_SERVICE",
    "serviceId":364,
    "serviceName":"Example1Service",
    "serviceType":"autoanalyticsinst",
    "startDate":"2017-02-28T21:08:31.022+0000",
    "status":"SUCCEED",
    "summaryMessage":"STOP_SERVICE"
```

psm autoanalyticsinst update-service

Use this command to update a service created with Oracle Analytics Cloud with specific values.

Syntax

In the following syntax, line breaks have been added for clarity. Don't include them when entering the command.

```
psm autoanalyticsinst update-service -s|--service-name service-name
  -c|--config-payload path-to-json-payload
    [-of|--output-format json|html|short]
    [-wc, --wait-until-complete <value>]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`service-name`*	Name of the service.
`-c|--config-payload`	Path to the JSON file that contains the configuration parameters for accessing the service.
`-of|--output-format`	(Optional) Specifies the output format. Accepted values: `json, html, short`.
`-wc, --wait-until-complete <value>`	(Optional) Wait until the command is complete. Valid values are `[true, false]`. Default is `false`.

Examples

The following example updates the `Example1Service` service.

```
$ psm autoanalyticsinst update-service -s Example1Instance -c /tmp/
update-service-payload.json
```

Available properties are indicated in quotes ("""). Replace in the actual payload with real values.

```
{
    "isBYOL":"",
    "tags":[
        {
            "key":"",
            "value":"",
            "isPlacementTag":"",
            "isResourceTag":""
        }
    ],
    "tagsToUnassign":[
        {
            "key":"",
            "value":"",
            "isPlacementTag":"",
            "isResourceTag":""
        }
    ]
}
```

8
psm bdcsce Commands

The `psm bdcsce` commands perform various life-cycle and administrative operations on Oracle Big Data Cloud clusters.

Category	Command
Cluster	psm bdcsce create-service – creates a cluster. psm bdcsce delete-service – deletes a cluster. psm bdcsce services – provides summary information about all active clusters in your identity domain. psm bdcsce service – provides detailed information about a particular cluster. psm bdcsce restart – restarts the Admin Server on which the cluster is running. psm bdcsce stop – stops a running cluster. psm bdcsce start – starts a cluster. psm bdcsce add-ssh-public-key – updates the SSH key used by a cluster.
Access Control	psm bdcsce access-rules – lists all access rules associated with a cluster. psm bdcsce create-access-rule – creates access rules for a cluster. psm bdcsce delete-access-rule – deletes access rules for a cluster. psm bdcsce disable-access-rule – disables access rules for a cluster. psm bdcsce enable-access-rule – enables access rules for a cluster.
Scaling	psm bdcsce scale-in – performs scale in operation for a cluster. psm bdcsce scale-out – performs scale out operation for a cluster.
Patches	psm bdcsce available-patches – lists all patches available for a cluster. psm bdcsce precheck-patch – identifies potential issues that might prevent the specified patch from completing successfully. psm bdcsce patch – applies a patch to a cluster. psm bdcsce applied-patches – lists all patches applies to cluster. psm bdcsce rollback – rolls back a patch for a cluster.
Job Status	psm bdcsce activities – lists the activities of a specific cluster. psm bdcsce operation-status – shows the status of a running or completed operation. psm bdcsce check-health – displays the current health status of a cluster.

psm bdcsce access-rules

List the access rules defined for an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce access-rules -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists access rules for the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce access-rules --service-name bdcsce-cluster
{
    "accessRules":[
        {
            "ruleName":"ora_p2bdcsce_ssh",
            "description":"Permit ssh access to nodes",
            "status":"disabled",
            "source":"PUBLIC-INTERNET",
            "destination":"bdcsce_COMPUTE_SLAVE",
            "ports":"22",
            "protocol":"tcp",
            "ruleType":"DEFAULT"
        },
        {
            "ruleName":"ora_p2bdcsce_nginx",
            "description":"NGINX Proxy",
            "status":"enabled",
            "source":"PUBLIC-INTERNET",
            "destination":"bdcsce_MASTER",
            "ports":"1080",
            "protocol":"tcp",
            "ruleType":"DEFAULT"
        },
        {
            "ruleName":"ora_p2bdcsce_ambari",
            "description":"Ambari REST",
```

```
            "status":"disabled",
            "source":"PUBLIC-INTERNET",
            "destination":"bdcsce_MASTER",
            "ports":"8080",
            "protocol":"tcp",
            "ruleType":"DEFAULT"
        },
        {
            "ruleName":"ora_trusted_hosts_bdcsce",
            "description":"DO NOT MODIFY: Permit specific IPs to access BDCS-
CE port ",
            "status":"enabled",
            "source":"127.0.0.1/32",
            "destination":"bdcsce_MASTER",
            "ports":"1080",
            "protocol":"tcp",
            "ruleType":"SYSTEM"
        },
        {
            "ruleName":"sys_infra2bdc_admin_ssh",
            "description":"DO NOT MODIFY: Permit PSM to ssh to admin host",
            "status":"enabled",
            "source":"PUBLIC-INTERNET",
            "destination":"bdcsce_ADMIN_HOST",
            "ports":"22",
            "protocol":"tcp",
            "ruleType":"SYSTEM"
        }
    ],
    "activities":[]
}
```


psm bdcsce activities

Lists the activities of an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce activities -s|--service-name cluster-name
    [-f|--from-start-date date]
    [-t|--to-start-date date]
    [-a|--status NEW|RUNNING|SUCCEED|FAILED|WARN]
    [-o|--operation-type LIST]
    [-l|--limit-row-count integer]
    [-e|--offset number-of-activities]
    [-d|--order-by fieldName]
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`–f|--from-start-date`	Retrieve activities performed after this date. Specifies the start of a range. If no end date is defined, the current date is used. Supported formats are ISO date and time formats: • `yyyy-MM-dd'T'HH:mm:ss` • `yyyy-MM-dd HH:mm:ss` • `yyy-MM-dd`
`–t|--to-start-date`	Specifies the end of a range. Can be used with `from-start-date`.
`–a|--status`	Specifies the types of activity required. Valid values are `NEW|RUNNING|SUCCEED|FAILED|WARN`.
`–o|--operation-type`	Specifies the types of operation required.
`-l|--limit-row-count`	Specifies how many rows of results to return. The default is 10.
`-e|--offset`	Defines the number of activities to display. If the offset is set to 3, and 5 activities are returned, only the last 3 activities are displayed. This can be combined with `limit-row-count` to further restrict the number of activities in the result set.
`-d|--order-by`	Filter criteria to sort the result set. Defined as `fieldName: asc|desc`.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example requests the failed activities of the `bdcsce-cluster` cluster, from 01 September 2016, to 31 December 2016:

```
$ psm bdcsce activities -s bdcsce-cluster -f 2016-09-01 -t 2016-12-31 -
a FAILED
{
    "activityLogs":[],
    "totalCount":0
}
```

psm bdcsce add-ssh-public-key

Adds a new public SSH key to the Oracle Big Data Cloud cluster. This overwrites the existing SSH key with the new one.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce add-ssh-public-key -s|--service-name cluster-name
    -c|--credential-name vmspublickey
    -k|--public-key "ssh-rsa ......."
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-c|--credential-name` *`vmspublickey`*	A string which identifies the new SSH key. Currently, the only value you can use is `vmspublickey`.
`-k|--public-key` *`"ssh-rsa ....."`*	Sets the new key. Add the contents of the public key file.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example updates the SSH key of the `bdcsce-cluster` Oracle Big Data Cloud cluster:

```
$ psm bdcsce add-ssh-publickey -s bdcsce-cluster
    --credential-name vmspublickey
    --public-key "ssh-rsa AAAAB3..."
```

psm bdcsce applied-patches

List all patches that have been applied to an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce applied-patches -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches applied to the `bdcsce-cluster` cluster.

```
$ psm bdcsce applied-patches --service-name bdcsce-cluster
```

psm bdcsce available-patches

List all patches available to be applied to an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce available-patches -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches available for the `bdcsce-cluster` cluster.

```
$ psm bdcsce available-patches --service-name bdcsce-cluster
```

psm bdcsce check-health

Display health monitoring information about a Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce check-health -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays health information about the `bdcsce-cluster` Oracle Big Data Cloud cluster using the `short` output format.

```
$ psm bdcsce check-health --service-name bdcsce-cluster -of short
 Status:        UP
 Message:       Running
 Checked At:    2017-06-23T07:47:40.118+00:00
```

psm bdcsce create-access-rule

Create an access rule for an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce create-access-rule -s|--service-name cluster-name
    -c|--config-payload json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-c|--config-payload` *`json-file`*	Specifies the path to a JSON file containing the information necessary to create an access rule.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example creates the access rule specified by information provided in the `createaccessrule.json` file for the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce create-access-rule --service-name bdcsce-cluster --config-
payload createaccessrule.json
"Accepted"
Job ID : 5875
```

> **Note:**
>
> You can track the progress of this command using the operation-status command.

Listing of `createaccessrule.json`

```
{
    "ruleName": "bdcsce_ambari",
    "description": "Ambari REST from specific IP range",
    "ports": "8080",
    "status": "enabled",
    "source": "10.0.0.1/32",
    "destination": "bdcsce_MASTER"
}
```

psm bdcsce create-service

Create an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce create-service -c|--config-payload path-to-json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to create a cluster. The format of this file is the same as the request body you provide when creating a service instance by using the REST API.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example creates an Oracle Big Data Cloud cluster as specified by information provided in the `create_bdcsce-cluster.json` file.

```
$ psm bdcsce create-service --config-payload create_bdcsce-cluster.json
{
    "details":{
        "message":"Submitted job to create service [bdcsce-cluster] in
domain [beta].",
        "jobId":"6165"
    }
}
Job ID : 6165
```

> **Note:**
>
> You can track the progress of this command using the operation-status command.

Here is the information about job 6165 during the creation of the service:

```
$ psm bdcsce operation-status --job-id 6165
{
    "activityLogId":6086,
    "serviceName":"bdcsce-cluster",
    "serviceType":"bdcsce",
    "identityDomain":"beta",
    "serviceId":121,
    "jobId":6165,
    "startDate":"2017-01-11T09:28:37.037+0000",
    "status":"RUNNING",
    "operationId":121,
    "operationType":"CREATE_SERVICE",
    "summaryMessage":"CREATE_SERVICE",
    "authDomain":"beta",
    "authUser":"weblogic",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2017-01-11T09:28:37.037+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2017-01-11T09:28:37.064+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2017-01-11T09:28:37.076+0000",
            "message":"Started operation to create service [bdcsce-
cluster] in identity domain [beta]."
```

```
        },
        {
            "activityDate":"2017-01-11T09:28:37.210+0000",
            "message":"Creating service [bdcsce-cluster] resources [bdcsce-
cluster-bdcsce-6,bdcsce-cluster-bdcsce-5,bdcsce-cluster-bdcsce-2,bdcsce-
cluster-bdcsce-1,bdcsce-cluster-bdcsce-4,bdcsce-cluster-bdcsce-3]."
        }
    ]
}
```

Listing of `create_bdcsce-cluster.json` (with no service association)

Note that the value of `vmPublicKeyText` has been truncated in the following listing.

```
{
    "vmPublicKeyText":"ssh-rsa AAAA...",
    "cloudStorageContainer":"http://a9999.storage.oraclecloud.com/Storage-
a9999/bdcsce-container",
    "cloudStorageUser":"Storageadmin",
    "cloudStoragePassword":"password",
    "useHighPerformanceStorage":true,
    "serviceName":"bdcsce-cluster",
    "serviceDescription":"This is a BDCSCE cluster.",
    "serviceLevel":"PAAS",
    "meteringFrequency":"HOURLY",
    "serviceVersion":"1.6",
    "edition":"EE",
    "vmUser":"opc",
    "components":{
        "bdcsce":{
            "clusterSize":"6",
            "computeOnlySlaves":"1",
            "shape":"oc3m",
            "hdfsStorage":"60",
            "bdfsCacheStorage":"50",
            "queueProfile":"",
            "IDCSEnabled":true,
            "sparkVersion":"2_1",
            "adminUserName":"bdcsce_admin",
            "adminUserPassword":"password",
            "associateDBCS":false,
            "associateMYSQL":false,
            "associateOEHCS":false
        }
    }
}
```

Listing of `create_bdcsce-cluster.json` (with service associations)

The following JSON payload creates the Oracle Big Data Cloud cluster with Oracle Database Classic Cloud Service (DBCS) and Oracle Event Hub Cloud Service (OEHCS) associations.

```
{
    "vmPublicKeyText":"ssh-rsa AAAA...",
```

```
    "cloudStorageContainer":"http://a9999.storage.oraclecloud.com/
Storage-a9999/bdcsce-container",
    "cloudStorageUser":"Storageadmin",
    "cloudStoragePassword":"password",
    "useHighPerformanceStorage":true,
    "serviceName":"bdcsce-cluster",
    "serviceDescription":"This is a BDCSCE cluster.",
    "serviceLevel":"PAAS",
    "meteringFrequency":"HOURLY",
    "serviceVersion":"1.6",
    "edition":"EE",
    "vmUser":"opc",
    "components":{
        "bdcsce":{
            "clusterSize":"6",
            "computeOnlySlaves":"1",
            "shape":"oc3m",
            "hdfsStorage":"60",
            "bdfsCacheStorage":"50",
            "queueProfile":"",
            "IDCSEnabled":true,
            "sparkVersion":"2_1",
            "adminUserName":"bdcsce_admin",
            "adminUserPassword":"password",
            "associateDBCS":true,
            "dbcsName":"dbcs-service",
            "dbcsPDBName":"pdb1",
            "associateMYSQL":false,
            "associateOEHCS":true,
            "oehcsName":"oehcs-cluster"
        }
    }
}
```

psm bdcsce delete-access-rule

Delete an access rule from an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce delete-access-rule -s|--service-name cluster-name
    -r|--rule-name rule-name
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to delete.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example deletes the access rule `bdcsce_ambari` from the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce delete-access-rule --service-name bdcsce-cluster --rule-name
bdcsce_ambari
{
    "rule":{
        "ruleName":"bdcsce_ambari",
        "description":"Ambari Rest from specific IP",
        "status":"enabled",
        "source":"10.0.0.1/32",
        "destination":"bdcsce_MASTER",
        "ports":"8080",
        "protocol":"tcp",
        "ruleType":"USER"
    }
}
Job ID : 5881
```

> **Note:**
>
> You can track the progress of this command using the operation-status command.

psm bdcsce delete-service

Delete an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce delete-service -s|--service-name cluster-name
    [-f|--force true-or-false]
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-f|--force` *`true-or-false`*	(Optional) Set to `True` to force the operation, even if blocking errors are generated.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example deletes the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce delete-service --service-name bdcsce-cluster
{
    "details":{
        "message":"Submitted job to delete service [bdcsce-cluster] in
domain [beta].",
        "jobId":"5772"
    }
}
Job ID : 5772
```

> **Note:**
>
> You can track the progress of this command using the operation-status command.

Here is the information about job 5772 during the deletion of the service:

```
$ psm bdcsce operation-status --job-id 5772
{
    "activityLogId":6060,
    "serviceName":"bdcsce-cluster",
    "serviceType":"bdcsce",
    "identityDomain":"beta",
    "serviceId":118,
    "jobId":5772,
    "startDate":"2017-01-05T14:04:12.132+0000",
    "status":"RUNNING",
    "operationId":118,
    "operationType":"DELETE_SERVICE",
    "summaryMessage":"DELETE_SERVICE",
    "authDomain":"beta",
    "authUser":"weblogic",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2017-01-05T14:04:12.132+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2017-01-05T14:04:12.149+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2017-01-05T14:04:12.164+0000",
            "message":"Started operation to delete service [bdcsce-cluster]
in domain [beta]."
        },
        {
            "activityDate":"2017-01-05T14:04:12.419+0000",
            "message":"Successfully remove the service provisioned."
        }
    ]
}
```

psm bdcsce disable-access-rule

Disable an access rule of an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce disable-access-rule -s|--service-name cluster-name
    -r|--rule-name rule-name
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to disable.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example disables the access rule `bdcsce_ambari` of the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce disable-access-rule --service-name bdcsce-cluster --rule-name bdcsce_ambari
{
    "ruleName":"bdcsce_ambari",
    "description":"Ambari Rest from specific IP",
    "status":"disabled",
    "source":"10.0.0.1/32",
    "destination":"bdcsce_MASTER",
    "ports":"8080",
    "protocol":"tcp",
    "ruleType":"USER"
}
```

psm bdcsce enable-access-rule

Enable an access rule of an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce enable-access-rule -s|--service-name cluster-name
    -r|--rule-name rule-name
```

```
[-of|--output-format short|json|html]
[-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to enable.
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example enables the access rule `bdcsce_ambari` of the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce enable-access-rule --service-name bdcsce-cluster --rule-name
bdcsce_ambari
{
    "ruleName":"bdcsce_ambari",
    "description":"Ambari Rest from specific IP",
    "status":"enabled",
    "source":"10.0.0.1/32",
    "destination":"bdcsce_MASTER",
    "ports":"8080",
    "protocol":"tcp",
    "ruleType":"USER"
}
```

psm bdcsce operation-status

View the status of an operation on an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce operation-status -j|--job-id job-id
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-j|--job-id` *`job-id`*	Specifies the ID number of the job about which you want information.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example shows the current status of job `5833`, which is a create operation to create the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce operation-status --job-id 5833
{
    "activityLogId":6067,
    "serviceName":"bdcsce-cluster",
    "serviceType":"bdcsce",
    "identityDomain":"beta",
    "serviceId":119,
    "jobId":5833,
    "startDate":"2017-01-06T06:00:51.930+0000",
    "status":"RUNNING",
    "operationId":119,
    "operationType":"CREATE_SERVICE",
    "summaryMessage":"CREATE_SERVICE",
    "authDomain":"beta",
    "authUser":"weblogic",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2017-01-06T06:00:51.930+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2017-01-06T06:00:51.950+0000",
            "message":"Activity Started"
        },
        {
```

```
            "activityDate":"2017-01-06T06:00:51.962+0000",
            "message":"Started operation to create service [bdcsce-cluster]
in identity domain [beta]."
        },
        {
            "activityDate":"2017-01-06T06:00:52.058+0000",
            "message":"Creating service [bdcsce-cluster] resources [bdcsce-
cluster-bdcsce-2,bdcsce-cluster-bdcsce-1]."
        },
        {
            "activityDate":"2017-01-06T06:10:23.043+0000",
            "message":"Completed creating service [bdcsce-cluster] in domain
[beta]."
        },
        {
            "activityDate":"2017-01-06T06:10:36.475+0000",
            "message":"Started operation to establish security on VMs for
component [bdcsce]."
        },
        {
            "activityDate":"2017-01-06T06:10:36.475+0000",
            "message":"Completed operation to establish security on VMs for
component [bdcsce]"
        },
        {
            "activityDate":"2017-01-06T06:10:36.672+0000",
            "message":"Started operation to check provisioning status on the
VMs for [bdcsce]"
        }
    ]
}
```

psm bdcsce patch

Apply a patch to an Oracle Big Data Cloud cluster. Applying a patch always performs a backup before the patch is applied.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce patch -s|--service-name cluster-name
    -p|--patch-id patch-id
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.

Parameter	Description
`-p|--patch-id` *`patch-id`*	Specifies the patch ID of the patch to apply. To retrieve a list of patch IDs available to apply to a cluster, see psm bdcsce available-patches.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example applies patch `1.7.0.1-EE` to the `bdcsce-cluster` cluster.

```
$ psm bdcsce patch --service-name bdcsce-cluster --patch-id 1.7.0.1-EE
```

psm bdcsce precheck-patch

Perform a precheck on an Oracle Big Data Cloud cluster to identify potential issues that might prevent a specified patch from being applied successfully.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce precheck-patch -s|--service-name cluster-name
    -p|--patch-id patch-id
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Description

The patching precheck reports on the following conditions:

- Disk space shortage
- Database connectivity failure
- Server access failure
- Storage access failure

Prechecking does not check whether another administration task (backup, restoration, or scaling) is in progress, which would prevent patching.

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-p|--patch–id` *`patch-id`*	Specifies the patch ID of the patch to precheck. To retrieve a list of patch IDs available to apply to a cluster, see psm bdcsce available-patches.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example shows a precheck of patch `1.7.0.1-EE` on the `bdcsce-cluster` cluster.

```
$ psm bdcsce precheck-patch --service-name bdcsce-cluster --patch-id 1.7.0.1-EE
```

psm bdcsce restart

Restart an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce restart -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.

Parameter	Description
`-c|–config-payload`	Specifies the path to a JSON file containing the information necessary to restart a cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example restarts the `bdcsce-cluster` cluster.

```
$ psm bdcsce restart -s bdcsce-cluster -c restart-service-payload.json
```

The payload for this command can be one of the following:

```
{
    "components":{
        "bdcsce":{
            "hosts":"[bdcsce-cluster-bdcsce-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":true
}
```

psm bdcsce rollback

Rolls back a patch that was applied to an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce rollback -s|--service-name cluster-name
    -r|--rollback-id patch-id
```

```
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-r|--rollback-id` *`patch-id`*	Specifies the patch ID of the patch to roll back. To retrieve a list of patches applied to a cluster, see psm bdcsce applied-patches.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example rolls back patch `1.7.0.1-EE` from the `bdcsce-cluster` cluster.

```
$ psm bdcsce rollback --service-name bdcsce-cluster --rollback-id 1.7.0.1-EE
```

psm bdcsce scale-in

Scale-in the Oracle Big Data Cloud cluster by removing a node.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce scale-in -s|--service-name cluster-name
    -c|--config-payload path-to-json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.

Parameter	Description
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to scale in a cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example removes the node `bdcsce-cluster-bdcsce-2` and scales-in the `bdcsce-cluster` cluster.

> **Note:**
>
> If the cluster consists of only one master node, you are not allowed to delete that node until you create another master node.

```
$ psm bdcsce scale-in -s bdcsce-cluster -c remove-bdcsce-2.json
```

The payload file contains the following:

```
{
    "components":{
        "bdcsce":{
            "hosts":"[bdcsce-cluster-bdcsce-2]"
        }
    }
}
```

psm bdcsce scale-out

Scale-out the Oracle Big Data Cloud cluster by adding new nodes.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce scale-out -s|--service-name cluster-name
    -c|--config-payload path-to-json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to scale out a cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example scales-out the `bdcsce-cluster` cluster by adding 1 compute-only slave.

```
$ psm bdcsce scale-out -s bdcsce-cluster -c scale-out.json
```

> **Note:**
>
> Minimum 1 node for Compute Only or Compute with HDFS type should be provided for scaling out.

The payload file contains the following:

```
{
    "components":{
        "bdcsce":{
```

```
            "computeAndStorageSlaves":"0",
            "computeOnlySlaves":"1",
            "rebalanceHDFS":false,
            "operationType":"SCALE_OUT"
        }
    }
}
```

psm bdcsce service

Display information about a single Oracle Big Data Cloud cluster in the identity domain.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce service -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays information about the `bdcsce-cluster` Oracle Big Data Cloud cluster.

```
$ psm bdcsce service --service-name bdcsce-cluster
{
    "serviceId":118,
    "serviceName":"bdcsce-cluster",
    "serviceType":"BDCSCE",
    "domainName":"beta",
    "serviceVersion":"1.6",
    "releaseVersion":"1.6.0.0",
    "metaVersion":"17.1.1-1612051653",
    "serviceDescription":"This is a BDCSCE cluster.",
    "serviceLevel":"PAAS",
    "subscription":"HOURLY",
    "meteringFrequency":"HOURLY",
```

```
"edition":"EE",
"storageContainer":"Storage-Tenant/container",
"state":"READY",
"creator":"weblogic",
"creationDate":"2017-01-05T11:00:04.029+0000",
"keyComponentInstance":"bdcsce",
"adminHostName":"bdcsce-cluster-bdcsce-1",
"attributes":{
    "CLOUD_STORAGE_CONTAINER":{
        "displayName":"Cloud Storage Container",
        "type":"STRING",
        "value":"Storage-Tenant/container",
        "displayValue":"Storage-Tenant/container",
        "isKeyBinding":false
    },
    "BDCSCE_SERVICE_URL":{
        "displayName":"Big Data Cluster Console",
        "type":"URL",
        "value":"https://10.8...00:1080",
        "displayValue":"https://10.8...00:1080",
        "isKeyBinding":true
    }
},
"components":{
    "bdcsce":{
        "serviceId":118,
        "componentId":64,
        "state":"READY",
        "version":"1.6",
        "componentType":"bdcsce",
        "creationDate":"2017-01-05T11:00:04.000+0000",
        "instanceName":"bdcsce",
        "instanceRole":"NONE",
        "isKeyComponent":true,
        "attributes":{
            "adminUserName":{
                "displayName":"User Name",
                "type":"STRING",
                "value":"bdcsce_admin",
                "displayValue":"bdcsce_admin",
                "isKeyBinding":false
            },
            "shape":{
                "displayName":"Compute Shape",
                "type":"SHAPE",
                "value":"oc3m",
                "displayValue":"oc3m",
                "isKeyBinding":false
            },
            "AMBARI_SERVER_HOST":{
                "displayName":"Ambari Server Host",
                "type":"STRING",
                "value":"10.8...00",
                "displayValue":"10.8...00",
                "isKeyBinding":false
```

```
                    }
                },
                "vmInstances":{
                    "bdcsce-cluster-bdcsce-2":{
                        "vmId":75,
                        "id":75,
                        "uuid":"B49A34D2CDDB4F2EB0BA5B76CF1C17DF",
                        "hostName":"bdcsce-cluster-bdcsce-2",
                        "label":"bdcsce-cluster bdcs-ce slave SLAVE_VM 2",
                        "ipAddress":"10.8...18",
                        "publicIpAddress":"10.8..18",
                        "usageType":"SLAVE_VM",
                        "role":"SLAVE_VM",
                        "componentType":"bdcsce",
                        "state":"READY",
                        "shapeId":"oc3m",
                        "totalStorage":81920,
                        "creationDate":"2017-01-05T11:00:04.000+0000",
                        "isAdminNode":false,
                        "servers":{
                            "SLAVE-2":{
                                "serverId":118,
                                "serverName":"SLAVE-2",
                                "serverType":"SLAVE",
                                "serverRole":"BDCSCE_ROLE",
                                "state":"READY",

"creationDate":"2017-01-05T11:00:04.000+0000",
                                "serverStateDisplayName":"Ready"
                            }
                        },
                        "storageVolumes":{
                            "data":{
                                "name":"data",
                                "size":"40GB",
                                "partitions":"1",
                                "isUserVisible":false
                            },
                            "tools":{
                                "name":"tools",
                                "size":"5GB",
                                "partitions":"1",
                                "isUserVisible":false
                            },
                            "boot":{
                                "name":"boot",
                                "size":"25GB",
                                "partitions":"1",
                                "isUserVisible":false
                            },
                            "bin":{
                                "name":"bin",
                                "size":"10GB",
                                "partitions":"1",
                                "isUserVisible":false
```

```
                }
            },
            "vmStateDisplayName":"Ready"
        },
        "bdcsce-cluster-bdcsce-1":{
            "vmId":78,
            "id":78,
            "uuid":"EACE287A754D4ACA8FDFAB74A53F4D24",
            "hostName":"bdcsce-cluster-bdcsce-1",
            "label":"bdcsce-cluster bdcs-ce master MASTER_VM 1",
            "ipAddress":"10.8...00",
            "publicIpAddress":"10.8...00",
            "usageType":"MASTER_VM",
            "role":"MASTER_VM",
            "componentType":"bdcsce",
            "state":"READY",
            "shapeId":"oc3m",
            "totalStorage":81920,
            "creationDate":"2017-01-05T11:00:04.000+0000",
            "isAdminNode":true,
            "servers":{
                "MASTER-1":{
                    "serverId":118,
                    "serverName":"MASTER-1",
                    "serverType":"MASTER",
                    "serverRole":"BDCSCE_ROLE",
                    "state":"READY",
                    "creationDate":"2017-01-05T11:00:04.000+0000",
                    "serverStateDisplayName":"Ready"
                }
            },
            "storageVolumes":{
                "data":{
                    "name":"data",
                    "size":"40GB",
                    "partitions":"1",
                    "isUserVisible":false
                },
                "tools":{
                    "name":"tools",
                    "size":"5GB",
                    "partitions":"1",
                    "isUserVisible":false
                },
                "boot":{
                    "name":"boot",
                    "size":"25GB",
                    "partitions":"1",
                    "isUserVisible":false
                },
                "bin":{
                    "name":"bin",
                    "size":"10GB",
                    "partitions":"1",
                    "isUserVisible":false
```

```
                        }
                    },
                    "vmStateDisplayName":"Ready"
                },
                "bdcsce-cluster-bdcsce-4":{
                    "vmId":77,
                    "id":77,
                    "uuid":"C6A3B6B295714C4C9498FFDF856E099A",
                    "hostName":"bdcsce-cluster-bdcsce-4",
                    "label":"bdcsce-cluster bdcs-ce slave
COMPUTE_SLAVE_VM 4",
                    "ipAddress":"10.89.105.2",
                    "publicIpAddress":"10.89.105.2",
                    "usageType":"COMPUTE_SLAVE_VM",
                    "role":"COMPUTE_SLAVE_VM",
                    "componentType":"bdcsce",
                    "state":"READY",
                    "shapeId":"oc3m",
                    "totalStorage":40960,
                    "creationDate":"2017-01-05T11:00:04.000+0000",
                    "isAdminNode":false,
                    "servers":{
                        "COMPUTE-SLAVE-4":{
                            "serverId":118,
                            "serverName":"COMPUTE-SLAVE-4",
                            "serverType":"COMPUTE_SLAVE",
                            "serverRole":"BDCSCE_ROLE",
                            "state":"READY",

"creationDate":"2017-01-05T11:00:04.000+0000",
                            "serverStateDisplayName":"Ready"
                        }
                    },
                    "storageVolumes":{
                        "tools":{
                            "name":"tools",
                            "size":"5GB",
                            "partitions":"1",
                            "isUserVisible":false
                        },
                        "boot":{
                            "name":"boot",
                            "size":"25GB",
                            "partitions":"1",
                            "isUserVisible":false
                        },
                        "bin":{
                            "name":"bin",
                            "size":"10GB",
                            "partitions":"1",
                            "isUserVisible":false
                        }
                    },
                    "vmStateDisplayName":"Ready"
                },
```

```
"bdcsce-cluster-bdcsce-3":{
    "vmId":76,
    "id":76,
    "uuid":"68B7CFD207BC4020AF9DE9C40F62FF57",
    "hostName":"bdcsce-cluster-bdcsce-3",
    "label":"bdcsce-cluster bdcs-ce slave SLAVE_VM 3",
    "ipAddress":"10.89.105.90",
    "publicIpAddress":"10.89.105.90",
    "usageType":"SLAVE_VM",
    "role":"SLAVE_VM",
    "componentType":"bdcsce",
    "state":"READY",
    "shapeId":"oc3m",
    "totalStorage":81920,
    "creationDate":"2017-01-05T11:00:04.000+0000",
    "isAdminNode":false,
    "servers":{
        "SLAVE-3":{
            "serverId":118,
            "serverName":"SLAVE-3",
            "serverType":"SLAVE",
            "serverRole":"BDCSCE_ROLE",
            "state":"READY",
            "creationDate":"2017-01-05T11:00:04.000+0000",
            "serverStateDisplayName":"Ready"
        }
    },
    "storageVolumes":{
        "data":{
            "name":"data",
            "size":"40GB",
            "partitions":"1",
            "isUserVisible":false
        },
        "tools":{
            "name":"tools",
            "size":"5GB",
            "partitions":"1",
            "isUserVisible":false
        },
        "boot":{
            "name":"boot",
            "size":"25GB",
            "partitions":"1",
            "isUserVisible":false
        },
        "bin":{
            "name":"bin",
            "size":"10GB",
            "partitions":"1",
            "isUserVisible":false
        }
    },
    "vmStateDisplayName":"Ready"
}
```

```
            },
            "adminHostName":"bdcsce-cluster-bdcsce-1",
            "storageVolumes":{
                "data":{
                    "name":"data",
                    "size":"40G",
                    "mount":"/data"
                },
                "tools":{
                    "name":"tools",
                    "size":"5G",
                    "mount":"/u01/app/oracle/tools"
                },
                "boot":{
                    "name":"boot",
                    "size":"25G",
                    "mount":"/"
                },
                "bin":{
                    "name":"bin",
                    "size":"10G",
                    "mount":"/u01/bdcsce"
                }
            },
            "hosts":{
                "userHosts":{
                    "bdcsce-cluster-bdcsce-2":{
                        "vmId":75,
                        "id":75,
                        "uuid":"B49A34D2CDDB4F2EB0BA5B76CF1C17DF",
                        "hostName":"bdcsce-cluster-bdcsce-2",
                        "label":"bdcsce-cluster bdcs-ce slave SLAVE_VM
2",
                        "ipAddress":"10.8...18",
                        "publicIpAddress":"10.8...18",
                        "usageType":"SLAVE_VM",
                        "role":"SLAVE_VM",
                        "componentType":"bdcsce",
                        "state":"READY",
                        "shapeId":"oc3m",
                        "totalStorage":81920,
                        "creationDate":"2017-01-05T11:00:04.000+0000",
                        "isAdminNode":false,
                        "servers":{
                            "SLAVE-2":{
                                "serverId":118,
                                "serverName":"SLAVE-2",
                                "serverType":"SLAVE",
                                "serverRole":"BDCSCE_ROLE",
                                "state":"READY",

"creationDate":"2017-01-05T11:00:04.000+0000"
                            }
                        },
                        "storageVolumes":{
```

```
                "data":{
                    "name":"data",
                    "size":"40GB",
                    "partitions":"1"
                },
                "tools":{
                    "name":"tools",
                    "size":"5GB",
                    "partitions":"1"
                },
                "boot":{
                    "name":"boot",
                    "size":"25GB",
                    "partitions":"1"
                },
                "bin":{
                    "name":"bin",
                    "size":"10GB",
                    "partitions":"1"
                }
            }
        },
        "bdcsce-cluster-bdcsce-1":{
            "vmId":78,
            "id":78,
            "uuid":"EACE287A754D4ACA8FDFAB74A53F4D24",
            "hostName":"bdcsce-cluster-bdcsce-1",
            "label":"bdcsce-cluster bdcs-ce master MASTER_VM 1",
            "ipAddress":"10.8...00",
            "publicIpAddress":"10.8...00",
            "usageType":"MASTER_VM",
            "role":"MASTER_VM",
            "componentType":"bdcsce",
            "state":"READY",
            "shapeId":"oc3m",
            "totalStorage":81920,
            "creationDate":"2017-01-05T11:00:04.000+0000",
            "isAdminNode":true,
            "servers":{
                "MASTER-1":{
                    "serverId":118,
                    "serverName":"MASTER-1",
                    "serverType":"MASTER",
                    "serverRole":"BDCSCE_ROLE",
                    "state":"READY",
                    "creationDate":"2017-01-05T11:00:04.000+0000"
                }
            },
            "storageVolumes":{
                "data":{
                    "name":"data",
                    "size":"40GB",
                    "partitions":"1"
                },
                "tools":{
```

```
                                "name":"tools",
                                "size":"5GB",
                                "partitions":"1"
                            },
                            "boot":{
                                "name":"boot",
                                "size":"25GB",
                                "partitions":"1"
                            },
                            "bin":{
                                "name":"bin",
                                "size":"10GB",
                                "partitions":"1"
                            }
                        }
                    },
                    "bdcsce-cluster-bdcsce-4":{
                        "vmId":77,
                        "id":77,
                        "uuid":"C6A3B6B295714C4C9498FFDF856E099A",
                        "hostName":"bdcsce-cluster-bdcsce-4",
                        "label":"bdcsce-cluster bdcs-ce slave
COMPUTE_SLAVE_VM 4",
                        "ipAddress":"10.89.105.2",
                        "publicIpAddress":"10.89.105.2",
                        "usageType":"COMPUTE_SLAVE_VM",
                        "role":"COMPUTE_SLAVE_VM",
                        "componentType":"bdcsce",
                        "state":"READY",
                        "shapeId":"oc3m",
                        "totalStorage":40960,
                        "creationDate":"2017-01-05T11:00:04.000+0000",
                        "isAdminNode":false,
                        "servers":{
                            "COMPUTE-SLAVE-4":{
                                "serverId":118,
                                "serverName":"COMPUTE-SLAVE-4",
                                "serverType":"COMPUTE_SLAVE",
                                "serverRole":"BDCSCE_ROLE",
                                "state":"READY",

"creationDate":"2017-01-05T11:00:04.000+0000"
                            }
                        },
                        "storageVolumes":{
                            "tools":{
                                "name":"tools",
                                "size":"5GB",
                                "partitions":"1"
                            },
                            "boot":{
                                "name":"boot",
                                "size":"25GB",
                                "partitions":"1"
                            },
```

```
                "bin":{
                    "name":"bin",
                    "size":"10GB",
                    "partitions":"1"
                }
            }
        },
        "bdcsce-cluster-bdcsce-3":{
            "vmId":76,
            "id":76,
            "uuid":"68B7CFD207BC4020AF9DE9C40F62FF57",
            "hostName":"bdcsce-cluster-bdcsce-3",
            "label":"bdcsce-cluster bdcs-ce slave SLAVE_VM 3",
            "ipAddress":"10.89.105.90",
            "publicIpAddress":"10.89.105.90",
            "usageType":"SLAVE_VM",
            "role":"SLAVE_VM",
            "componentType":"bdcsce",
            "state":"READY",
            "shapeId":"oc3m",
            "totalStorage":81920,
            "creationDate":"2017-01-05T11:00:04.000+0000",
            "isAdminNode":false,
            "servers":{
                "SLAVE-3":{
                    "serverId":118,
                    "serverName":"SLAVE-3",
                    "serverType":"SLAVE",
                    "serverRole":"BDCSCE_ROLE",
                    "state":"READY",
                    "creationDate":"2017-01-05T11:00:04.000+0000"
                }
            },
            "storageVolumes":{
                "data":{
                    "name":"data",
                    "size":"40GB",
                    "partitions":"1"
                },
                "tools":{
                    "name":"tools",
                    "size":"5GB",
                    "partitions":"1"
                },
                "boot":{
                    "name":"boot",
                    "size":"25GB",
                    "partitions":"1"
                },
                "bin":{
                    "name":"bin",
                    "size":"10GB",
                    "partitions":"1"
                }
            }
```

```
                    }
                }
            },
            "displayName":"BDCS-CE",
            "componentStateDisplayName":"Ready"
        }
    },
    "activityLogs":[
        {
            "activityLogId":6049,
            "serviceName":"bdcsce-cluster",
            "serviceType":"bdcsce",
            "identityDomain":"beta",
            "serviceId":118,
            "jobId":5715,
            "startDate":"2017-01-05T11:00:04.753+0000",
            "endDate":"2017-01-05T11:14:04.830+0000",
            "status":"SUCCEED",
            "operationId":118,
            "operationType":"CREATE_SERVICE",
            "summaryMessage":"CREATE_SERVICE",
            "authDomain":"beta",
            "authUser":"weblogic",
            "initiatedBy":"USER",
            "messages":[
                {
                    "activityDate":"2017-01-05T11:00:04.753+0000",
                    "message":"Activity Submitted"
                },
                {
                    "activityDate":"2017-01-05T11:00:04.775+0000",
                    "message":"Activity Started"
                },
                {
                    "activityDate":"2017-01-05T11:00:04.788+0000",
                    "message":"Started operation to create service
[bdcsce-cluster] in identity domain [beta]."
                },
                {
                    "activityDate":"2017-01-05T11:00:04.879+0000",
                    "message":"Creating service [bdcsce-cluster]
resources [bdcsce-cluster-bdcsce-2,bdcsce-cluster-bdcsce-1,bdcsce-
cluster-bdcsce-4,bdcsce-cluster-bdcsce-3]."
                },
                {
                    "activityDate":"2017-01-05T11:06:46.067+0000",
                    "message":"Completed creating service [bdcsce-
cluster] in domain [beta]."
                },
                {
                    "activityDate":"2017-01-05T11:07:14.042+0000",
                    "message":"Completed operation to establish
security on VMs for component [bdcsce]"
                },
                {
```

```
                    "activityDate":"2017-01-05T11:07:14.042+0000",
                    "message":"Started operation to establish security on
VMs for component [bdcsce]."
                },
                {
                    "activityDate":"2017-01-05T11:07:14.244+0000",
                    "message":"Started operation to check provisioning
status on the VMs for [bdcsce]"
                },
                {
                    "activityDate":"2017-01-05T11:13:23.431+0000",
                    "message":"Provisioning Succeeded on hosts: bdcsce-
cluster-bdcsce-4,bdcsce-cluster-bdcsce-2,bdcsce-cluster-bdcsce-3,bdcsce-
cluster-bdcsce-1"
                },
                {
                    "activityDate":"2017-01-05T11:13:36.631+0000",
                    "message":"Provisioning of [bdcsce] succeeded."
                },
                {
                    "activityDate":"2017-01-05T11:13:36.631+0000",
                    "message":"Provisioning of all components completed."
                },
                {
                    "activityDate":"2017-01-05T11:13:36.793+0000",
                    "message":"Started service reachability check operation
for [bdcsce]."
                },
                {
                    "activityDate":"2017-01-05T11:13:41.638+0000",
                    "message":"Successfully completed service reachability
check for [bdcsce]"
                },
                {
                    "activityDate":"2017-01-05T11:13:41.638+0000",
                    "message":"Successfully reached the CSM server "
                },
                {
                    "activityDate":"2017-01-05T11:13:41.798+0000",
                    "message":"Service reachability check of all components
completed."
                },
                {
                    "activityDate":"2017-01-05T11:13:41.798+0000",
                    "message":"Service reachability check of [bdcsce]
succeeded."
                },
                {
                    "activityDate":"2017-01-05T11:14:04.830+0000",
                    "message":"Activity Ended"
                }
            ]
        }
    ],
    "layeringMode":"None",
```

```
    "serviceLevelDisplayName":"Oracle Big Data Cloud Service - Compute
Edition",
    "editionDisplayName":"Compute Edition",
    "meteringFrequencyDisplayName":"Hourly",
    "CLOUD_STORAGE_CONTAINER":"Storage-Tenant/container",
    "BDCSCE_SERVICE_URL":"https://10.8...00:1080",
    "totalSharedStorage":0,
    "serviceStateDisplayName":"Ready",
    "computeSiteName":"betaden13",
    "patching":{
        "currentOperation":{
            "operation":"NONE"
        },
        "totalAvailablePatches":0
    }
}
```

psm bdcsce services

Display information about all Oracle Big Data Cloud clusters in the identity domain.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce services
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays basic information about the Oracle Big Data Cloud clusters in the `beta` identity domain. The response shows two running clusters, `bdcsce-cluster` and `bdcsce-demo`.

Note that the output has been truncated in the following listing.

```
$ psm bdcsce services
{
    "services":{
        "bdcsce-cluster":{
```

```
"serviceId":118,
"serviceName":"bdcsce-cluster",
"serviceType":"BDCSCE",
"domainName":"beta",
"serviceVersion":"1.6",
"releaseVersion":"1.6.0.0",
"metaVersion":"17.1.1-1612051653",
"serviceDescription":"This is a BDCSCE cluster.",
"serviceLevel":"PAAS",
"subscription":"HOURLY",
"meteringFrequency":"HOURLY",
"edition":"EE",
"storageContainer":"Storage-Tenant/container",
"state":"READY",
"creator":"weblogic",
"creationDate":"2017-01-05T11:00:04.029+0000",
"keyComponentInstance":"bdcsce",
"adminHostName":"bdcsce-cluster-bdcsce-1",
"attributes":{
    "CLOUD_STORAGE_CONTAINER":{
        ...
    },
    "BDCSCE_SERVICE_URL":{
        ...
    }
},
"components":{
    "bdcsce":{
        "serviceId":118,
        "componentId":64,
        "state":"READY",
        "version":"1.6",
        "componentType":"bdcsce",
        "creationDate":"2017-01-05T11:00:04.000+0000",
        "instanceName":"bdcsce",
        "instanceRole":"NONE",
        "isKeyComponent":true,
        "attributes":{
            ...
        },
        "vmInstances":{
            "bdcsce-cluster-bdcsce-2":{
                ...
            },
            "bdcsce-cluster-bdcsce-1":{
                ...
            },
            "bdcsce-cluster-bdcsce-4":{
                ...
            },
            "bdcsce-cluster-bdcsce-3":{
                ...
            }
        },
        "adminHostName":"bdcsce-cluster-bdcsce-1",
```

```
                "storageVolumes":{
                    "data":{
                        ...
                    },
                    "tools":{
                        ...
                    },
                    "boot":{
                        ...
                    },
                    "bin":{
                        ...
                    }
                },
                "hosts":{
                    "userHosts":{
                        "bdcsce-cluster-bdcsce-2":{
                            ...
                        },
                        "bdcsce-cluster-bdcsce-1":{
                            ...
                        },
                        "bdcsce-cluster-bdcsce-4":{
                            ...
                        },
                        "bdcsce-cluster-bdcsce-3":{
                            ...
                        }
                    }
                },
                "displayName":"BDCS-CE",
                "componentStateDisplayName":"Ready"
            }
        },
        "activityLogs":[
            {
                ...
            }
        ],
        "layeringMode":"None",
        "serviceLevelDisplayName":"Oracle Big Data Cloud Service -
Compute Edition",
        "editionDisplayName":"Compute Edition",
        "meteringFrequencyDisplayName":"Hourly",
        "CLOUD_STORAGE_CONTAINER":"Storage-Tenant/container",
        "BDCSCE_SERVICE_URL":"https://10...:1080",
        "totalSharedStorage":0,
        "serviceStateDisplayName":"Ready",
        "computeSiteName":"betaden13",
        "patching":{
            "currentOperation":{
                "operation":"NONE"
            },
            "totalAvailablePatches":0
        }
```

```
},
"bdcsce-demo":{
    "serviceId":103,
    "serviceName":"bdcsce-demo",
    "serviceType":"BDCSCE",
    "domainName":"beta",
    "serviceVersion":"1.6",
    "releaseVersion":"1.6.0.0",
    "metaVersion":"17.1.1-1612051653",
    "serviceLevel":"PAAS",
    "subscription":"HOURLY",
    "meteringFrequency":"HOURLY",
    "edition":"EE",
    "storageContainer":"Storage-Tenant/container",
    "state":"READY",
    "creator":"anonymous",
    "creationDate":"2016-12-12T19:03:23.176+0000",
    "keyComponentInstance":"bdcsce",
    "adminHostName":"bdcsce-demo-bdcsce-1",
    "attributes":{
        "CLOUD_STORAGE_CONTAINER":{
            ...
        },
        "BDCSCE_SERVICE_URL":{
            ...
        }
    },
    "components":{
        "bdcsce":{
            "serviceId":103,
            "componentId":53,
            "state":"READY",
            "version":"1.6",
            "componentType":"bdcsce",
            "creationDate":"2016-12-12T19:03:23.000+0000",
            "instanceName":"bdcsce",
            "instanceRole":"NONE",
            "isKeyComponent":true,
            "attributes":{
                ...
            },
            "vmInstances":{
                "bdcsce-demo-bdcsce-2":{
                    ...
                },
                "bdcsce-demo-bdcsce-1":{
                    ...
                }
            },
            "adminHostName":"bdcsce-demo-bdcsce-1",
            "storageVolumes":{
                "data":{
                    ...
                },
                "tools":{
```

```
                            ...
                        },
                        "boot":{
                            ...
                        },
                        "bin":{
                            ...
                        }
                    },
                    "hosts":{
                        "userHosts":{
                            "bdcsce-demo-bdcsce-2":{
                                ...
                            },
                            "bdcsce-demo-bdcsce-1":{
                                ...
                            }
                        }
                    },
                    "displayName":"BDCS-CE",
                    "componentStateDisplayName":"Ready"
                }
            },
            "activityLogs":[
                {
                    ...
                }
            ],
            "layeringMode":"None",
            "serviceLevelDisplayName":"Oracle Big Data Cloud Service -
Compute Edition",
            "editionDisplayName":"Compute Edition",
            "meteringFrequencyDisplayName":"Hourly",
            "CLOUD_STORAGE_CONTAINER":"Storage-Tenant/container",
            "BDCSCE_SERVICE_URL":"https://10...:1080",
            "totalSharedStorage":0,
            "serviceStateDisplayName":"Ready",
            "computeSiteName":"betaden13",
            "patching":{
                "currentOperation":{
                    "operation":"NONE"
                },
                "totalAvailablePatches":0
            }
        }
    }
}
```


psm bdcsce start

Start a stopped Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce start -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-c|–config-payload`	Specifies the path to a JSON file containing the information necessary to start a cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example starts the `bdcsce-cluster` cluster.

```
$ psm bdcsce start -s bdcsce-cluster -c start-service-payload.json
```

The payload for this command can be one of the following:

```
{
    "components":{
        "bdcsce":{
            "hosts":"[bdcsce-cluster-bdcsce-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":true
}
```

psm bdcsce stop

Stop an Oracle Big Data Cloud cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm bdcsce stop -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Big Data Cloud cluster.
`-c|–config-payload`	Specifies the path to a JSON file containing the information necessary to stop a cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example stops the `bdcsce-cluster` service.

```
$ psm bdcsce stop -s bdcsce-cluster -c stop-service-payload.json
```

The payload for this command can be one of the following:

```
{
    "components":{
        "bdcsce":{
            "hosts":"[bdcsce-cluster-bdcsce-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":true
}
```

9
psm caching Commands

This chapter describes cache management commands for Oracle Application Container Cloud Service in the command-line interface.

Category	Commands
Cache Information	psm caching activities – Lists activities of a cache. psm caching service – Lists details about a cache. psm caching services – Lists all caches.
Cache Resources	psm caching create-service – Creates a cache. psm caching delete-service – Deletes a cache.
Cache Actions	psm caching restart – Restarts a cache. psm caching start – Starts a cache. psm caching stop – Stops a cache.
Jobs	psm caching operation-status – Displays the status of the operation with the specified job ID.

psm caching activities

This command displays the activities of an Oracle Application Container Cloud Service application cache.

Syntax

The syntax of this command appears on multiple lines for clarity. When you use this command, it must be on one line only.

```
psm caching activities
-s|--service-name cache-name
[-f|--from-start-date timestamp]
[-t|--to-start-date timestamp]
[-a|--status status]
[-o|--operation-type type-list]
[-l|--limit-row-count row-count]
[-e|--offset row-number]
[-d|--order-by field:asc|desc]
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s`, `--service-name`	Name of the cache.

Parameter	Description
`-f`, `--from-start-date`	(Optional) Includes activities after this timestamp. Use with `--to-start-date` to specify a range. Supported date formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-t`, `--to-start-date`	(Optional) Includes activities before this timestamp. Use with `--from-start-date` to specify a range. Supported date formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-a`, `--status`	(Optional) A space-separated list of activity statuses: `NEW`, `RUNNING`, `SUCCEED`, `FAILED`, or `WARN`.
`-o`, `--operation-type`	(Optional) A space-separated list of operation types.
`-l`, `--limit-row-count`	(Optional) Maximum number of activities to display. Default is `10`.
`-e`, `--offset`	(Optional) Starts the list of activities at this row. Use with `--limit-row-count` to get a specific subset of activities. For example, if `--limit-row-count` is `10`, use an `--offset` of `11` to get the second set of 10 activities.
`-d`, `--order-by`	(Optional) Orders activities by the specified field in ascending (`asc`) or descending (`desc`) order.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm caching activities -s TestCache
{
    "activityLogs":[
        {
            "activityLogId":6005,
            "authDomain":"apaasuser",
            "authUser":"weblogic",
            "endDate":"2017-03-13T19:23:24.619+0000",
            "identityDomain":"apaasuser",
            "initiatedBy":"USER",
            "jobId":16339,
            "messages":[
                {
                    "activityDate":"2017-03-13T18:49:03.855+0000",
                    "message":"Activity Submitted"
                },
                {
                    "activityDate":"2017-03-13T18:49:03.894+0000",
                    "message":"Activity Started"
                },
                {
```

```
                    "activityDate":"2017-03-13T18:49:03.916+0000",
                    "message":"Started operation to create service
[TestCache] in identity domain [apaasuser]."
                },
                {
                    "activityDate":"2017-03-13T18:49:25.977+0000",
                    "message":"Initialized application creation..."
                },
                {
                    "activityDate":"2017-03-13T19:19:59.184+0000",
                    "message":"Acquired resources for instance(2G) testcache-
cach-1..."
                },
                {
                    "activityDate":"2017-03-13T19:22:24.817+0000",
                    "message":"Deployed application(v1) for instance(2G)
testcache-cach-1..."
                },
                {
                    "activityDate":"2017-03-13T19:22:56.044+0000",
                    "message":"Successfully created application..."
                },
                {
                    "activityDate":"2017-03-13T19:23:24.607+0000",
                    "message":"Activity Ended"
                },
                {
                    "activityDate":"2017-03-13T19:23:24.619+0000",
                    "message":"Activity Ended"
                }
            ],
            "operationId":3,
            "operationType":"CREATE_SERVICE",
            "serviceId":3,
            "serviceName":"TestCache",
            "serviceType":"caching",
            "startDate":"2017-03-13T18:49:03.855+0000",
            "status":"SUCCEED",
            "summaryMessage":"CREATE_SERVICE"
        },
        {
            "activityLogId":6004,
            "authDomain":"apaasuser",
            "authUser":"weblogic",
            "endDate":"2017-03-13T13:28:29.343+0000",
            "identityDomain":"apaasuser",
            "initiatedBy":"USER",
            "jobId":16261,
            "messages":[
                {
                    "activityDate":"2017-03-13T13:27:02.272+0000",
                    "message":"Activity Submitted"
                },
                {
                    "activityDate":"2017-03-13T13:27:02.327+0000",
```

```
                    "message":"Activity Started"
                },
                {
                    "activityDate":"2017-03-13T13:27:02.347+0000",
                    "message":"Started operation to delete service
[TestCache] in domain [apaasuser]."
                },
                {
                    "activityDate":"2017-03-13T13:27:02.448+0000",
                    "message":"Successfully remove the service
provisioned."
                },
                {
                    "activityDate":"2017-03-13T13:27:57.369+0000",
                    "message":"Initialized application delete..."
                },
                {
                    "activityDate":"2017-03-13T13:28:08.854+0000",
                    "message":"Undeployed application(v1) for
instance(2G) testcache-cach-1..."
                },
                {
                    "activityDate":"2017-03-13T13:28:10.971+0000",
                    "message":"Undeployed application instances..."
                },
                {
                    "activityDate":"2017-03-13T13:28:27.402+0000",
                    "message":"Successfully deleted application..."
                },
                {
                    "activityDate":"2017-03-13T13:28:29.318+0000",
                    "message":"Completed deletion of service
[TestCache] in domain [apaasuser]."
                },
                {
                    "activityDate":"2017-03-13T13:28:29.327+0000",
                    "message":"Activity Ended"
                },
                {
                    "activityDate":"2017-03-13T13:28:29.343+0000",
                    "message":"Activity Ended"
                }
            ],
            "operationId":2,
            "operationType":"DELETE_SERVICE",
            "serviceId":2,
            "serviceName":"TestCache",
            "serviceType":"caching",
            "startDate":"2017-03-13T13:27:02.272+0000",
            "status":"SUCCEED",
            "summaryMessage":"DELETE_SERVICE"
        },
        {
            "activityLogId":6003,
            "authDomain":"apaasuser",
```

```
            "authUser":"weblogic",
            "endDate":"2017-03-10T21:08:56.554+0000",
            "identityDomain":"apaasuser",
            "initiatedBy":"USER",
            "jobId":13338,
            "messages":[
                {
                    "activityDate":"2017-03-10T20:36:18.653+0000",
                    "message":"Activity Submitted"
                },
                {
                    "activityDate":"2017-03-10T20:36:18.832+0000",
                    "message":"Activity Started"
                },
                {
                    "activityDate":"2017-03-10T20:36:18.873+0000",
                    "message":"Started operation to create service
[TestCache] in identity domain [apaasuser]."
                },
                {
                    "activityDate":"2017-03-10T20:36:43.623+0000",
                    "message":"Initialized application creation..."
                },
                {
                    "activityDate":"2017-03-10T21:02:08.251+0000",
                    "message":"Acquired resources for instance(2G) testcache-
cach-1..."
                },
                {
                    "activityDate":"2017-03-10T21:08:09.405+0000",
                    "message":"Deployed application(v1) for instance(2G)
testcache-cach-1..."
                },
                {
                    "activityDate":"2017-03-10T21:08:39.754+0000",
                    "message":"Successfully created application..."
                },
                {
                    "activityDate":"2017-03-10T21:08:56.539+0000",
                    "message":"Activity Ended"
                },
                {
                    "activityDate":"2017-03-10T21:08:56.554+0000",
                    "message":"Activity Ended"
                }
            ],
            "operationId":2,
            "operationType":"CREATE_SERVICE",
            "serviceId":2,
            "serviceName":"TestCache",
            "serviceType":"caching",
            "startDate":"2017-03-10T20:36:18.653+0000",
            "status":"SUCCEED",
            "summaryMessage":"CREATE_SERVICE"
        }
```

```
    ],
    "totalCount":3
}
```

More Information

Exploring the Cache Service Overview Page in *Using Caches in Oracle Application Container Cloud Service*

psm caching create-service

This command creates a new Oracle Application Container Cloud Service application cache.

Syntax

```
psm caching create-service
-c|--config-payload payload-file
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-c`, `--config-payload`	Name of the JSON file that contains configuration information for the new application cache.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Payload File Properties

All properties are required unless otherwise noted.

Parameter	Description
`size`	Data capacity to be allocated for the cache in gigabytes. Enter an integer without units.
`deploymentType`	(Optional) Deployment type: • `Basic` — Only one container is created for the cache service. • `Recommended` — Three or more containers are created for the cache service.
`serviceName`	Name of the cache.
`serviceDescription`	(Optional) Text description of the cache.
`serviceLevel`	The only supported value is `PAAS`.

Parameter	Description
`meteringFrequency`	(Optional) The only supported value is `MONTHLY`.
`serviceVersion`	The only supported value is `1.0`.
`edition`	The only supported value is `GE`.
`vmUser`	Name of the user creating the cache.

Example

The contents of the `create-payload.json` file referenced in the command are:

```
{
    "size":"1",
    "deploymentType":"Basic",
    "serviceName":"MyCacheService",
    "serviceDescription":"Example Cache Service",
    "serviceLevel":"PAAS",
    "meteringFrequency":"HOURLY",
    "serviceVersion":"1.0",
    "edition":"GE",
    "vmUser":"weblogic"
}
```

The example command and its output are:

```
$ psm caching create-service -c create-payload.json
{
    "details":{
        "jobId":"23770",
        "message":"Submitted job to create service [MyCacheService] in
domain [apaasuser]."
    }
}
Job ID : 23770
```

More Information

Creating a Cache Service in *Using Caches in Oracle Application Container Cloud Service*

psm caching delete-service

This command deletes an Oracle Application Container Cloud Service application cache.

Syntax

```
psm caching delete-service
-s|--service-name name
[-f|--force]
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s`, `--service-name`	Name of the cache.
`-f`, `--force`	(Optional) Forces the deletion despite any PaaS script failures.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm caching delete-service -s MyCacheService
{
    "details":{
        "jobId":"23784",
        "message":"Submitted job to delete service [MyCacheService] in
domain [apaasuser]."
    }
}
Job ID : 23784
```

More Information

Exploring the Cache Services Page in *Using Caches in Oracle Application Container Cloud Service*

psm caching operation-status

This command displays the status of an Oracle Application Container Cloud Service cache operation.

When you run a command-line operation, a job ID is included in the response. You can use this job ID to check the status of the operation. For example, you can display the status of a psm caching create-service operation to verify that an application cache has been created successfully.

Syntax

```
psm caching operation-status
-j|--job-id ID
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-j,--job-id`	Job ID of the operation.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm caching operation-status -j 23770
{
    "activityLogId":6023,
    "authDomain":"apaasuser",
    "authUser":"weblogic",
    "endDate":"2017-03-30T21:30:00.512+0000",
    "identityDomain":"apaasuser",
    "initiatedBy":"USER",
    "jobId":23770,
    "messages":[
        {
            "activityDate":"2017-03-30T21:27:34.554+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2017-03-30T21:27:34.599+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2017-03-30T21:27:34.615+0000",
            "message":"Started operation to create service [MyCacheService]
in identity domain [apaasuser]."
        },
        {
            "activityDate":"2017-03-30T21:27:57.728+0000",
            "message":"Initialized application creation..."
        },
        {
            "activityDate":"2017-03-30T21:28:00.522+0000",
            "message":"Acquired resources for instance(2G) mycacheservice-
cach-1..."
        },
        {
            "activityDate":"2017-03-30T21:29:10.926+0000",
            "message":"Deployed application(v1) for instance(2G)
mycacheservice-cach-1..."
```

```
        },
        {
            "activityDate":"2017-03-30T21:29:40.000+0000",
            "message":"Successfully created application..."
        },
        {
            "activityDate":"2017-03-30T21:30:00.501+0000",
            "message":"Activity Ended"
        },
        {
            "activityDate":"2017-03-30T21:30:00.512+0000",
            "message":"Activity Ended"
        }
    ],
    "operationId":11,
    "operationType":"CREATE_SERVICE",
    "serviceId":11,
    "serviceName":"MyCacheService",
    "serviceType":"caching",
    "startDate":"2017-03-30T21:27:34.554+0000",
    "status":"SUCCEED",
    "summaryMessage":"CREATE_SERVICE"
}
```


psm caching restart

Use this command to restart an Oracle Application Container Cloud Service application cache.

Syntax

```
psm caching restart
-s|--service-name name
-c|--config-payload payload-file
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s`, `--service-name`	Name of the cache.
`-c`, `--config-payload`	Name of the JSON file that contains configuration information for the application cache.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Payload File Properties

All properties are required unless otherwise noted.

Parameter	Description
`force`	(Optional) Forces the cache to restart despite any PaaS script failures.
`allServiceHosts`	(Optional) Restarts all cluster members of the cache.

Example

The contents of the `stop-start-payload.json` file referenced in the command are:

```
{
    "force":"true",
    "allServiceHosts":"true"
}
```

The example command and its output are:

```
$ psm caching restart -s MyCacheService -c stop-start-payload.json
{
    "details":{
        "jobId":"23780",
        "message":"Submitted job to [restart] VMs in service
[MyCacheService] in domain [apaasuser]."
    }
}
Job ID : 23780
```

More Information

Exploring the Cache Service Overview Page in *Using Caches in Oracle Application Container Cloud Service*

psm caching service

This command lists detailed information about an Oracle Application Container Cloud Service application cache.

Syntax

```
psm caching service
-s|--service-name name
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s`, `--service-name`	Name of the cache.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm caching service -s MyCacheService
{
    "INTERNAL_CACHE_URL":"MyCacheService-acc",
    "activityLogs":[
        {
            "activityLogId":6023,
            "authDomain":"apaasuser",
            "authUser":"weblogic",
            "endDate":"2017-03-30T21:30:00.512+0000",
            "identityDomain":"apaasuser",
            "initiatedBy":"USER",
            "jobId":23770,
            "messages":[
                {
                    "activityDate":"2017-03-30T21:27:34.554+0000",
                    "message":"Activity Submitted"
                },
                {
                    "activityDate":"2017-03-30T21:27:34.599+0000",
                    "message":"Activity Started"
                },
                {
                    "activityDate":"2017-03-30T21:27:34.615+0000",
                    "message":"Started operation to create service
[MyCacheService] in identity domain [apaasuser]."
                },
                {
                    "activityDate":"2017-03-30T21:27:57.728+0000",
                    "message":"Initialized application creation..."
                },
                {
                    "activityDate":"2017-03-30T21:28:00.522+0000",
                    "message":"Acquired resources for instance(2G)
mycacheservice-cach-1..."
                },
                {
                    "activityDate":"2017-03-30T21:29:10.926+0000",
                    "message":"Deployed application(v1) for
instance(2G) mycacheservice-cach-1..."
```

```
                },
                {
                    "activityDate":"2017-03-30T21:29:40.000+0000",
                    "message":"Successfully created application..."
                },
                {
                    "activityDate":"2017-03-30T21:30:00.501+0000",
                    "message":"Activity Ended"
                },
                {
                    "activityDate":"2017-03-30T21:30:00.512+0000",
                    "message":"Activity Ended"
                }
            ],
            "operationId":11,
            "operationType":"CREATE_SERVICE",
            "serviceId":11,
            "serviceName":"MyCacheService",
            "serviceType":"caching",
            "startDate":"2017-03-30T21:27:34.554+0000",
            "status":"SUCCEED",
            "summaryMessage":"CREATE_SERVICE"
        }
    ],
    "attributes":{
        "INTERNAL_CACHE_URL":{
            "displayName":"Cache Host",
            "displayValue":"MyCacheService-acc",
            "isKeyBinding":true,
            "type":"STRING",
            "value":"MyCacheService-acc"
        },
        "deploymentType":{
            "displayName":"Deployment Type",
            "displayValue":"Basic",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"Basic"
        },
        "size":{
            "displayName":"Cache Capacity [GB]",
            "displayValue":"1",
            "isKeyBinding":false,
            "type":"INTEGER",
            "value":"1"
        }
    },
    "baseReleaseVersion":"1.0.0.0.1702241927",
    "capacities":{
        "allocated":{
            "size":1
        },
        "blocked":{},
        "remaining":{
            "size":1
```

```
        }
    },
    "components":{
        "Cache":{
            "attributes":{},
            "clusters":{},
            "componentId":11,
            "componentStateDisplayName":"Ready",
            "componentType":"Cache",
            "creationDate":"2017-03-30T21:27:33.000+0000",
            "displayName":"Application Cache",
            "hosts":{
                "containers":{
                    "mycacheservice-cach-1":{
                        "attributes":{},
                        "containerName":"mycacheservice-cach-1",
                        "containerPort":0,
                        "containerSize":"2G",
                        "id":13
                    }
                }
            },
            "instanceName":"Cache",
            "instanceRole":"NONE",
            "isKeyComponent":false,
            "paasServers":{},
            "serviceId":11,
            "state":"READY",
            "version":"1.0"
        }
    },
    "computeSiteName":"ucf2_ucf2",
    "creationDate":"2017-03-30T21:27:33.865+0000",
    "creator":"weblogic",
    "deploymentType":"Basic",
    "domainName":"apaasuser",
    "edition":"GE",
    "editionDisplayName":"Grid Edition",
    "layeringMode":"None",
    "metaVersion":"17.2.1-1702241927",
    "meteringFrequency":"HOURLY",
    "meteringFrequencyDisplayName":"Hourly",
    "patching":{
        "currentOperation":{
            "operation":"NONE"
        },
        "totalAvailablePatches":0
    },
    "releaseVersion":"1.0.0.0.1702241927",
    "serviceDescription":"Example Cache Service",
    "serviceId":11,
    "serviceLevel":"PAAS",
    "serviceLevelDisplayName":"Service with tooling support",
    "serviceName":"MyCacheService",
    "serviceStateDisplayName":"Ready",
```

```
    "serviceType":"caching",
    "serviceVersion":"1.0",
    "size":"1",
    "state":"READY",
    "subscription":"HOURLY",
    "totalSSDStorage":0,
    "totalSharedStorage":0
}
```

More Information

Exploring the Cache Service Overview Page in *Using Caches in Oracle Application Container Cloud Service*

psm caching services

This command lists all Oracle Application Container Cloud Service application caches in the identity domain.

Syntax

```
psm caching services
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm caching services
{
    "services":{
        "MyCacheService":{
            "INTERNAL_CACHE_URL":"MyCacheService-acc",
            "activityLogs":[
                {
                    "activityLogId":6023,
                    "authDomain":"apaasuser",
                    "authUser":"weblogic",
                    "endDate":"2017-03-30T21:30:00.512+0000",
                    "identityDomain":"apaasuser",
                    "initiatedBy":"USER",
```

```
                    "jobId":23770,
                    "messages":[
                        {

"activityDate":"2017-03-30T21:27:34.554+0000",
                            "message":"Activity Submitted"
                        },
                        {

"activityDate":"2017-03-30T21:27:34.599+0000",
                            "message":"Activity Started"
                        },
                        {

"activityDate":"2017-03-30T21:27:34.615+0000",
                            "message":"Started operation to create
service [MyCacheService] in identity domain [apaasuser]."
                        },
                        {

"activityDate":"2017-03-30T21:27:57.728+0000",
                            "message":"Initialized application
creation..."
                        },
                        {

"activityDate":"2017-03-30T21:28:00.522+0000",
                            "message":"Acquired resources for
instance(2G) mycacheservice-cach-1..."
                        },
                        {

"activityDate":"2017-03-30T21:29:10.926+0000",
                            "message":"Deployed application(v1) for
instance(2G) mycacheservice-cach-1..."
                        },
                        {

"activityDate":"2017-03-30T21:29:40.000+0000",
                            "message":"Successfully created
application..."
                        },
                        {

"activityDate":"2017-03-30T21:30:00.501+0000",
                            "message":"Activity Ended"
                        },
                        {

"activityDate":"2017-03-30T21:30:00.512+0000",
                            "message":"Activity Ended"
                        }
                    ],
                    "operationId":11,
                    "operationType":"CREATE_SERVICE",
```

```
            "serviceId":11,
            "serviceName":"MyCacheService",
            "serviceType":"caching",
            "startDate":"2017-03-30T21:27:34.554+0000",
            "status":"SUCCEED",
            "summaryMessage":"CREATE_SERVICE"
        }
    ],
    "attributes":{
        "INTERNAL_CACHE_URL":{
            "displayName":"Cache Host",
            "displayValue":"MyCacheService-acc",
            "isKeyBinding":true,
            "type":"STRING",
            "value":"MyCacheService-acc"
        },
        "deploymentType":{
            "displayName":"Deployment Type",
            "displayValue":"Basic",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"Basic"
        },
        "size":{
            "displayName":"Cache Capacity [GB]",
            "displayValue":"1",
            "isKeyBinding":false,
            "type":"INTEGER",
            "value":"1"
        }
    },
    "baseReleaseVersion":"1.0.0.0.1702241927",
    "capacities":{
        "allocated":{
            "size":1
        },
        "blocked":{},
        "remaining":{
            "size":1
        }
    },
    "components":{
        "Cache":{
            "attributes":{},
            "clusters":{},
            "componentId":11,
            "componentStateDisplayName":"Ready",
            "componentType":"Cache",
            "creationDate":"2017-03-30T21:27:33.000+0000",
            "displayName":"Application Cache",
            "hosts":{
                "containers":{
                    "mycacheservice-cach-1":{
                        "attributes":{},
                        "containerName":"mycacheservice-cach-1",
```

```
                        "containerPort":0,
                        "containerSize":"2G",
                        "id":13
                    }
                }
            },
            "instanceName":"Cache",
            "instanceRole":"NONE",
            "isKeyComponent":false,
            "paasServers":{},
            "serviceId":11,
            "state":"READY",
            "version":"1.0"
        }
    },
    "computeSiteName":"ucf2_ucf2",
    "creationDate":"2017-03-30T21:27:33.865+0000",
    "creator":"weblogic",
    "deploymentType":"Basic",
    "domainName":"apaasuser",
    "edition":"GE",
    "editionDisplayName":"Grid Edition",
    "keyComponentInstance":"Cache",
    "layeringMode":"None",
    "metaVersion":"17.2.1-1702241927",
    "meteringFrequency":"HOURLY",
    "meteringFrequencyDisplayName":"Hourly",
    "patching":{
        "currentOperation":{
            "operation":"NONE"
        },
        "totalAvailablePatches":0
    },
    "releaseVersion":"1.0.0.0.1702241927",
    "serviceDescription":"Example Cache Service",
    "serviceId":11,
    "serviceLevel":"PAAS",
    "serviceLevelDisplayName":"Service with tooling support",
    "serviceName":"MyCacheService",
    "serviceStateDisplayName":"Ready",
    "serviceType":"caching",
    "serviceVersion":"1.0",
    "size":"1",
    "state":"READY",
    "subscription":"HOURLY",
    "totalSSDStorage":0,
    "totalSharedStorage":0
},
"TestCache":{
    "INTERNAL_CACHE_URL":"TestCache-acc",
    "activityLogs":[
        {
            "activityLogId":6005,
            "authDomain":"apaasuser",
            "authUser":"weblogic",
```

```
                        "endDate":"2017-03-13T19:23:24.619+0000",
                        "identityDomain":"apaasuser",
                        "initiatedBy":"USER",
                        "jobId":16339,
                        "messages":[
                            {
                                "activityDate":"2017-03-13T18:49:03.855+0000",
                                "message":"Activity Submitted"
                            },
                            {
                                "activityDate":"2017-03-13T18:49:03.894+0000",
                                "message":"Activity Started"
                            },
                            {
                                "activityDate":"2017-03-13T18:49:03.916+0000",
                                "message":"Started operation to create service
[TestCache] in identity domain [apaasuser]."
                            },
                            {
                                "activityDate":"2017-03-13T18:49:25.977+0000",
                                "message":"Initialized application creation..."
                            },
                            {
                                "activityDate":"2017-03-13T19:19:59.184+0000",
                                "message":"Acquired resources for instance(2G)
testcache-cach-1..."
                            },
                            {
                                "activityDate":"2017-03-13T19:22:24.817+0000",
                                "message":"Deployed application(v1) for
instance(2G) testcache-cach-1..."
                            },
                            {
                                "activityDate":"2017-03-13T19:22:56.044+0000",
                                "message":"Successfully created application..."
                            },
                            {
                                "activityDate":"2017-03-13T19:23:24.607+0000",
                                "message":"Activity Ended"
                            },
                            {
                                "activityDate":"2017-03-13T19:23:24.619+0000",
                                "message":"Activity Ended"
                            }
                        ],
                        "operationId":3,
                        "operationType":"CREATE_SERVICE",
                        "serviceId":3,
                        "serviceName":"TestCache",
                        "serviceType":"caching",
                        "startDate":"2017-03-13T18:49:03.855+0000",
                        "status":"SUCCEED",
                        "summaryMessage":"CREATE_SERVICE"
                    }
                ],
```

```
"associatedFrom":1,
"attributes":{
    "INTERNAL_CACHE_URL":{
        "displayName":"Cache Host",
        "displayValue":"TestCache-acc",
        "isKeyBinding":true,
        "type":"STRING",
        "value":"TestCache-acc"
    },
    "deploymentType":{
        "displayName":"Deployment Type",
        "displayValue":"Basic",
        "isKeyBinding":false,
        "type":"STRING",
        "value":"Basic"
    },
    "size":{
        "displayName":"Cache Capacity [GB]",
        "displayValue":"1",
        "isKeyBinding":false,
        "type":"INTEGER",
        "value":"1"
    }
},
"baseReleaseVersion":"1.0.0.0.1702241927",
"capacities":{
    "allocated":{
        "size":1
    },
    "blocked":{},
    "remaining":{
        "size":1
    }
},
"components":{
    "Cache":{
        "attributes":{},
        "clusters":{},
        "componentId":3,
        "componentStateDisplayName":"Ready",
        "componentType":"Cache",
        "creationDate":"2017-03-13T18:49:03.000+0000",
        "displayName":"Application Cache",
        "hosts":{
            "containers":{
                "testcache-cach-1":{
                    "attributes":{},
                    "containerName":"testcache-cach-1",
                    "containerPort":0,
                    "containerSize":"2G",
                    "id":3
                }
            }
        },
        "instanceName":"Cache",
```

```
                "instanceRole":"NONE",
                "isKeyComponent":false,
                "paasServers":{},
                "serviceId":3,
                "state":"READY",
                "version":"1.0"
            }
        },
        "computeSiteName":"ucf2_ucf2",
        "creationDate":"2017-03-13T18:49:03.272+0000",
        "creator":"weblogic",
        "deploymentType":"Basic",
        "domainName":"apaasuser",
        "edition":"GE",
        "editionDisplayName":"Grid Edition",
        "keyComponentInstance":"Cache",
        "layeringMode":"None",
        "metaVersion":"17.2.1-1702241927",
        "meteringFrequency":"HOURLY",
        "meteringFrequencyDisplayName":"Hourly",
        "patching":{
            "currentOperation":{
                "operation":"NONE"
            },
            "totalAvailablePatches":0
        },
        "releaseVersion":"1.0.0.0.1702241927",
        "serviceId":3,
        "serviceLevel":"PAAS",
        "serviceLevelDisplayName":"Service with tooling support",
        "serviceName":"TestCache",
        "serviceStateDisplayName":"Ready",
        "serviceType":"caching",
        "serviceVersion":"1.0",
        "size":"1",
        "state":"READY",
        "subscription":"HOURLY",
        "totalSSDStorage":0,
        "totalSharedStorage":0
    },
    "rgcache":{
        "INTERNAL_CACHE_URL":"rgcache-acc",
        "activityLogs":[
            {
                "activityLogId":6022,
                "authDomain":"apaasuser",
                "authUser":"weblogic",
                "endDate":"2017-03-30T13:25:27.030+0000",
                "identityDomain":"apaasuser",
                "initiatedBy":"USER",
                "jobId":23750,
                "messages":[
                    {
                        "activityDate":"2017-03-30T13:23:15.997+0000",
                        "message":"Activity Submitted"
```

```
                        },
                        {

"activityDate":"2017-03-30T13:23:16.107+0000",
                            "message":"Activity Started"
                        },
                        {

"activityDate":"2017-03-30T13:23:16.135+0000",
                            "message":"Started operation to create
service [rgcache] in identity domain [apaasuser]."
                        },
                        {

"activityDate":"2017-03-30T13:23:39.137+0000",
                            "message":"Initialized application
creation..."
                        },
                        {

"activityDate":"2017-03-30T13:23:42.794+0000",
                            "message":"Acquired resources for
instance(2G) rgcache-cach-1..."
                        },
                        {

"activityDate":"2017-03-30T13:24:37.674+0000",
                            "message":"Deployed application(v1) for
instance(2G) rgcache-cach-1..."
                        },
                        {

"activityDate":"2017-03-30T13:25:07.594+0000",
                            "message":"Successfully created
application..."
                        },
                        {

"activityDate":"2017-03-30T13:25:27.016+0000",
                            "message":"Activity Ended"
                        },
                        {

"activityDate":"2017-03-30T13:25:27.030+0000",
                            "message":"Activity Ended"
                        }
                    ],
                    "operationId":10,
                    "operationType":"CREATE_SERVICE",
                    "serviceId":10,
                    "serviceName":"rgcache",
                    "serviceType":"caching",
                    "startDate":"2017-03-30T13:23:15.997+0000",
                    "status":"SUCCEED",
                    "summaryMessage":"CREATE_SERVICE"
```

```
        }
    ],
    "attributes":{
        "INTERNAL_CACHE_URL":{
            "displayName":"Cache Host",
            "displayValue":"rgcache-acc",
            "isKeyBinding":true,
            "type":"STRING",
            "value":"rgcache-acc"
        },
        "deploymentType":{
            "displayName":"Deployment Type",
            "displayValue":"Basic",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"Basic"
        },
        "size":{
            "displayName":"Cache Capacity [GB]",
            "displayValue":"1",
            "isKeyBinding":false,
            "type":"INTEGER",
            "value":"1"
        }
    },
    "baseReleaseVersion":"1.0.0.0.1702241927",
    "capacities":{
        "allocated":{
            "size":1
        },
        "blocked":{},
        "remaining":{
            "size":1
        }
    },
    "components":{
        "Cache":{
            "attributes":{},
            "clusters":{},
            "componentId":10,
            "componentStateDisplayName":"Ready",
            "componentType":"Cache",
            "creationDate":"2017-03-30T13:23:15.000+0000",
            "displayName":"Application Cache",
            "hosts":{
                "containers":{
                    "rgcache-cach-1":{
                        "attributes":{},
                        "containerName":"rgcache-cach-1",
                        "containerPort":0,
                        "containerSize":"2G",
                        "id":12
                    }
                }
            },
```

```
                "instanceName":"Cache",
                "instanceRole":"NONE",
                "isKeyComponent":false,
                "paasServers":{},
                "serviceId":10,
                "state":"READY",
                "version":"1.0"
            }
        },
        "computeSiteName":"ucf2_ucf2",
        "creationDate":"2017-03-30T13:23:15.368+0000",
        "creator":"weblogic",
        "deploymentType":"Basic",
        "domainName":"apaasuser",
        "edition":"GE",
        "editionDisplayName":"Grid Edition",
        "keyComponentInstance":"Cache",
        "layeringMode":"None",
        "metaVersion":"17.2.1-1702241927",
        "meteringFrequency":"HOURLY",
        "meteringFrequencyDisplayName":"Hourly",
        "patching":{
            "currentOperation":{
                "operation":"NONE"
            },
            "totalAvailablePatches":0
        },
        "releaseVersion":"1.0.0.0.1702241927",
        "serviceId":10,
        "serviceLevel":"PAAS",
        "serviceLevelDisplayName":"Service with tooling support",
        "serviceName":"rgcache",
        "serviceStateDisplayName":"Ready",
        "serviceType":"caching",
        "serviceVersion":"1.0",
        "size":"1",
        "state":"READY",
        "subscription":"HOURLY",
        "totalSSDStorage":0,
        "totalSharedStorage":0
    }
  }
}
```


More Information

Exploring the Cache Services Page in *Using Caches in Oracle Application Container Cloud Service*

psm caching start

Use this command to start an Oracle Application Container Cloud Service application cache.

Syntax

```
psm caching start
-s|--service-name name
-c|--config-payload payload-file
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s`, `--service-name`	Name of the cache.
`-c`, `--config-payload`	Name of the JSON file that contains configuration information for the application cache.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Payload File Properties

All properties are required unless otherwise noted.

Parameter	Description
`force`	(Optional) Forces the cache to start despite any PaaS script failures.
`allServiceHosts`	(Optional) Starts all cluster members of the cache.

Example

The contents of the `stop-start-payload.json` file referenced in the command are:

```
{
    "force":"true",
    "allServiceHosts":"true"
}
```

The example command and its output are:

```
$ psm caching start -s MyCacheService -c stop-start-payload.json
{
    "details":{
        "jobId":"23777",
        "message":"Submitted job to [start] VMs in service [MyCacheService]
in domain [apaasuser]."
    }
```

```
}
Job ID : 23777
```

More Information

Exploring the Cache Service Overview Page in *Using Caches in Oracle Application Container Cloud Service*

psm caching stop

Use this command to stop an Oracle Application Container Cloud Service application cache.

Syntax

```
psm caching stop
-s|--service-name name
-c|--config-payload payload-file
[-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s`, `--service-name`	Name of the cache.
`-c`, `--config-payload`	Name of the JSON file that contains configuration information for the application cache.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Payload File Properties

All properties are required unless otherwise noted.

Parameter	Description
`force`	(Optional) Forces the cache to stop despite any PaaS script failures.
`allServiceHosts`	(Optional) Stops all cluster members of the cache.

Example

The contents of the `stop-start-payload.json` file referenced in the command are:

```
{
    "force":"true",
    "allServiceHosts":"true"
}
```

The example command and its output are:

```
$ psm caching stop -s MyCacheService -c stop-start-payload.json
{
    "details":{
        "jobId":"23774",
        "message":"Submitted job to [stop] VMs in service [MyCacheService]
in domain [apaasuser]."
    }
}
Job ID : 23774
```

More Information

Exploring the Cache Service Overview Page in *Using Caches in Oracle Application Container Cloud Service*

10
psm dbcs Commands

The `psm dbcs` commands perform various life-cycle and administrative operations on Oracle Database Classic Cloud Service instances.

Category	Command
Service Instance	psm dbcs services – provides summary information about all active service instances in your identity domain. psm dbcs create-service – creates a service instance. psm dbcs delete-service – deletes a service instance. psm dbcs restart – restarts a service instance. psm dbcs stop – stops a running service instance. psm dbcs start – starts a stopped service instance. psm dbcs service – provides detailed information about a single service instance. psm dbcs activities – lists activities (operations) performed on a single service instance. psm dbcs add-ssh-public-key – adds an SSH public key to the `opc` and `oracle` users on the compute nodes of a single service instance.
Scaling	psm dbcs scale-up – increases the Oracle Compute Cloud Service shape (processing power) of a service instance or adds storage to a service instance. psm dbcs scale-down – decreases the Oracle Compute Cloud Service shape (processing power) of a service instance.
Access Control	psm dbcs access-rules – lists all access rules for a service instance. psm dbcs create-access-rule – creates an access rule. psm dbcs delete-access-rule – deletes an access rule. psm dbcs disable-access-rule – disables an enabled an access rule. psm dbcs enable-access-rule – enables a disabled access role.
Backup and Recovery	psm dbcs view-backups – lists all backups of a service instance. psm dbcs backup – creates an on-demand backup of a service instance. psm dbcs recover – recovers a service instance from a backup.
Patching and Rollback	psm dbcs applied-patches – lists all patches applied to service instance. psm dbcs available-patches – lists all patches available for a service instance. psm dbcs precheck-patch – identifies potential issues that might prevent a patch from being applied to a service instance. psm dbcs patch – applies a patch to a service instance. psm dbcs rollback – rolls back a patch that was applied to a service instance.

Category	Command
Snapshots	psm dbcs snapshots – provides summary information about all storage snapshots of a service instance. psm dbcs create-snapshot – creates a storage snapshot. psm dbcs delete-snapshot – deletes a storage snapshot. psm dbcs snapshot – provides detailed information about a single storage snapshot.
Job Status	psm dbcs operation-status – shows the status of a running or completed operation.

psm dbcs access-rules

List all access rules (Oracle Compute Cloud Service security rules) for an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs access-rules -s|--service-name instance-name [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance for which you want to see a list of access rules.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists access rules for the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs access-rules --service-name db12c-xp-si
{
    "accessRules":[
        {
            "ruleName":"ora_p2_ssh",
            "description":"",
            "status":"enabled",
            "source":"PUBLIC-INTERNET",
            "destination":"DB",
            "ports":"22",
            "ruleType":"DEFAULT"
        },
```

```
{
    "ruleName":"ora_p2_dblistener",
    "description":"",
    "status":"disabled",
    "source":"PUBLIC-INTERNET",
    "destination":"DB",
    "ports":"1521",
    "ruleType":"DEFAULT"
},
{
    "ruleName":"ora_p2_http",
    "description":"",
    "status":"disabled",
    "source":"PUBLIC-INTERNET",
    "destination":"DB",
    "ports":"80",
    "ruleType":"DEFAULT"
},
{
    "ruleName":"ora_p2_httpssl",
    "description":"",
    "status":"enabled",
    "source":"PUBLIC-INTERNET",
    "destination":"DB",
    "ports":"443",
    "ruleType":"DEFAULT"
},
{
    "ruleName":"ora_p2_httpadmin",
    "description":"",
    "status":"disabled",
    "source":"PUBLIC-INTERNET",
    "destination":"DB",
    "ports":"4848",
    "ruleType":"DEFAULT"
},
{
    "ruleName":"ora_p2_dbconsole",
    "description":"",
    "status":"disabled",
    "source":"PUBLIC-INTERNET",
    "destination":"DB",
    "ports":"1158",
    "ruleType":"DEFAULT"
},
{
    "ruleName":"ora_p2_dbexpress",
    "description":"",
    "status":"disabled",
    "source":"PUBLIC-INTERNET",
    "destination":"DB",
    "ports":"5500",
    "ruleType":"DEFAULT"
},
{
```

```
            "ruleName":"ora_trusted_hosts_dblistener",
            "description":"DO NOT MODIFY: A secrule to allow specific
IPs to connect to this db",
            "status":"enabled",
            "source":"127.0.0.1/32",
            "destination":"DB",
            "ports":"1521",
            "ruleType":"SYSTEM"
        },
        {
            "ruleName":"example-https",
            "description":"",
            "status":"enabled",
            "source":"192.0.2.0/24",
            "destination":"DB",
            "ports":"443",
            "ruleType":"USER"
        },
        {
            "ruleName":"example-too",
            "description":"",
            "status":"enabled",
            "source":"192.0.2.0/24",
            "destination":"DB",
            "ports":"443",
            "ruleType":"USER"
        }
    ],
    "activities":[]
}
```

psm dbcs activities

List the activities (operations) performed on an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs activities
    -s|--service-name instance-name
    [-f|--from-start-date from-timestamp]
    [-t|--to-start-date to-timestamp ]
    [-a|--status status-list ]
    [-o|--operation-type operation-list ]
    [-l|--limit-row-count row-count ]
    [-e|--offset row-number ]
    [-d|--order-by order-list ]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance.
`-f|--from-start-date` *`from-timestamp`*	(Optional) Includes activities after this timestamp. Use with `--to-start-date` to specify a range. Supported timestamp formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-t|--to-start-date` *`to-timestamp`*	(Optional) Includes activities before this timestamp. Use with `--from-start-date` to specify a range. Supported timestamp formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-a|--status` *`status-list`*	(Optional) A space-separated list of activity statuses: `NEW`, `RUNNING`, `SUCCEED`, `FAILED`, or `WARN`.
`-o|--operation-type` *`operation-list`*	(Optional) A space-separated list of operation types.
`-l|--limit-row-count` *`row-count`*	(Optional) Maximum number of activities to display. Default is `10`.
`-e|--offset` *`row-number`*	(Optional) Starts the list of activities at this row. Use with `--limit-row-count` to get a specific subset of activities. For example, if `--limit-row-count` is `10`, use an `--offset` of `11` to get the second set of 10 activities.
`-d|--order-by` *`order-list`*	(Optional) A space-separated list of ordering (sorting) specifications, each having the format *`field-name`*`:asc|desc`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists the activities performed on the `db12c-eeep` Database Classic Cloud Service instance.

```
$ psm dbcs activities --service-name db12c-eeep
```

psm dbcs add-ssh-public-key

Add an SSH public key to the `opc` and `oracle` users on all compute nodes of anOracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs add-ssh-public-key
  -s|--service-name instance-name
  -c|--credential-name vmspublickey
  -k|--public-key public-key-value
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the instance.
`-c|--credential-name vmspublickey`	Indicates that the credential you are affecting is the public key on VMs (compute nodes).
`-k|--public-key` *`public-key-value`*	Specifies the public key value.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example adds an SSH public key to the `db12c-eeep` Database Classic Cloud Service instance.

Note that the actual public key value has been truncated in this example.

```
$ psm dbcs add-ssh-public-key \
--service-name db12c-eeep \
--credential-name vmspublickey \
--public-key "ssh-rsa AAAAB3NzaC1y..."
```

psm dbcs applied-patches

List all patches that have been applied to an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs applied-patches -s|--service-name instance-name [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance for which you want to see a list of applied patches.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches applied to the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs applied-patches --service-name db12c-xp-si
[
    {
        "backupStatus":"Available",
        "additionalNote":"This note is the default note: Applying patch
[22291127-EE].",
        "appliedBy":"dbaasadmin",
        "appliedDate":"Jul 27, 2016 6:32:12 PM",
        "totalTime":"27 min, 34 sec",
        "patchId":"22291127-EE",
        "patchDescription":"DB 12.1.0.2.160419 Apr 2016 PSU Enterprise
Edition image",
        "patchReleaseUrl":"https://support.oracle.com/epmos/faces/
PatchDetail?patchId=22291127",
        "releaseDate":"Apr 16, 2016 1:40:00 AM",
        "resultMessage":"Completed",
        "lastStatus":"COMPLETED",
        "lastStatusMessage":"Completed",
        "componentPatches":{
            "DB":{
                "id":820,
                "version":"12.1.0.2.160419",
                "releaseVersion":"12.1.0.2.160419",
                "zipBundles":{
                    "DB":{
                        "id":790,
                        "md5sum":"48a8623500c7f4b50e703011a1cfeb67",
                        "provisioningObjectRef":"DB/12c/database.zip",
                        "storageKey":"PATCH/DB/12c/database.zip",
                        "zipVersion":"12.1.0.2.160419"
                    }
                },
                "preserveFiles":[]
            }
        },
```

```
        "patchComponents":[
            {
                "id":820,
                "component":"DB",
                "version":"12.1.0.2.160419",
                "md5sum":"48a8623500c7f4b50e703011a1cfeb67",
                "provisioningObjectRef":"DB/12c/database.zip",
                "patchingObjectRef":"PATCH/DB/12c/database.zip",
                "preserveFiles":[]
            }
        ],
        "patchType":"PSU",
        "patchCategory":"DB",
        "patchSeverity":"Normal",
        "jobId":"5859931",
        "displayName":"12.1.0.2.160419",
        "toVersion":"12.1.0.2.160419",
        "inProgress":false,
        "operationType":"None",
        "id":131003,
        "patchingResult":{
            "patchingId":110800,
            "versionBeforeThisPatch":"DB 12.1.0.2.160119",
            "strategy":"Rolling",
            "metaVersionBeforeThisPatch":"16.2.5",
            "customRollbackId":"5859931_1469644332452",
            "startDate":"Jul 27, 2016 6:32:12 PM",
            "endDate":"Jul 27, 2016 6:59:46 PM",
            "patchingStatus":"COMPLETED",
            "resultMessage":"Completed",
            "additionalNote":"This note is the default note: Applying
patch [22291127-EE].",
            "appliedBy":"dbaasadmin",
            "jobId":"5859931",
            "completeLog":"",
            "progressMessages":[
                "6:32:12.366 PM Phase initialize started",
                "6:32:12.480 PM Phase initialize completed",
                "6:32:12.597 PM Phase patch started",
                "6:59:46.207 PM Phase patch completed",
                "6:59:46.320 PM Phase finalize started",
                "6:59:46.427 PM Completed"
            ]
        },
        "rollbackId":"131003",
        "rollbackVersion":"DB 12.1.0.2.160119",
        "currentPatchLevel":"DB 12.1.0.2.160419",
        "progressMessages":[
            "6:32:12.366 PM Phase initialize started",
            "6:32:12.480 PM Phase initialize completed",
            "6:32:12.597 PM Phase patch started",
            "6:59:46.207 PM Phase patch completed",
            "6:59:46.320 PM Phase finalize started",
            "6:59:46.427 PM Completed"
        ]
```

```
    }
]
```

psm dbcs available-patches

List all patches available to be applied to an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs available-patches -s|--service-name instance-name [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance for which you want to list available patches.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches available for the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs available-patches --service-name db12c-xp-si
[
    {
        "availablePatchGuiMetadata":{
            "supportsPreCheck":true
        },
        "lastprePreCheckResult":{
            "id":2307,
            "jobId":"5753350",
            "patchId":"22291127-EE",
            "jsonResult":"{\"resultMessage\":\"Completed\",\"messages\":[]}",
            "startDate":"Jul 15, 2016 5:12:47 PM",
            "endDate":"Jul 15, 2016 5:13:52 PM",
            "performedBy":"dbaasadmin",
            "inProgress":false,
            "status":"PASSED_PRECHECK",
            "preCheckMessages":[]
        },
        "patchId":"22291127-EE",
        "patchNumber":"Patch_12.1.0.2.160419_EE",
        "patchCategory":"DB",
```

```
        "patchSeverity":"Normal",
        "includesConfigUpgrade":false,
        "patchDescription":"DB 12.1.0.2.160419 Apr 2016 PSU Enterprise
Edition image",
        "patchReleaseUrl":"https://support.oracle.com/epmos/faces/
PatchDetail?patchId=22291127",
        "serviceType":"DBaaS",
        "serviceVersion":"12.1.0.2",
        "releaseDate":"Apr 16, 2016 1:40:00 AM",
        "entryDate":"Jul 2, 2016 2:44:07 AM",
        "entryUserId":"OCLOUD9_TAS_APPID",
        "componentPatches":{
            "DB":{
                "id":820,
                "version":"12.1.0.2.160419",
                "releaseVersion":"12.1.0.2.160419",
                "zipBundles":{
                    "DB":{
                        "id":790,
                        "md5sum":"48a8623500c7f4b50e703011a1cfeb67",
                        "provisioningObjectRef":"DB/12c/database.zip",
                        "storageKey":"PATCH/DB/12c/database.zip",
                        "zipVersion":"12.1.0.2.160419"
                    }
                },
                "preserveFiles":[]
            }
        },
        "patchComponents":[
            {
                "id":820,
                "component":"DB",
                "version":"12.1.0.2.160419",
                "md5sum":"48a8623500c7f4b50e703011a1cfeb67",
                "provisioningObjectRef":"DB/12c/database.zip",
                "patchingObjectRef":"PATCH/DB/12c/database.zip",
                "preserveFiles":[]
            }
        ],
        "patchType":"PSU",
        "requiresRestart":true,
        "serviceTypeVersions":"ANY",
        "isDeleted":false,
        "isCustomerVisible":false,
        "isAutoApply":false,
        "induceDownTime":false,
        "displayName":"12.1.0.2.160419",
        "releaseVersion":"12.1.0.2.160419",
        "serviceEditions":"EE,EE_HP,EE_EP"
    }
]
```

psm dbcs backup

Create an on-demand backup of an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs backup -s|--service-name instance-name [-of|--output-format json|
html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to back up.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example creates an on-demand backup of the `db12c-xp-si2` Database Classic Cloud Service instance.

```
$ psm dbcs backup --service-name db12c-xp-si2
"Accepted"
Job ID : 5858479
```

Here is the information about job 5858479 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 5858479
{
    "activityLogId":3654162,
    "serviceName":"db12c-xp-si2",
    "serviceType":"dbaas",
    "identityDomain":"usexample",
    "serviceId":141969,
    "jobId":5858479,
    "startDate":"2016-07-27T19:02:36.517+0000",
    "endDate":"2016-07-27T19:20:26.570+0000",
    "status":"SUCCEED",
    "operationId":141969,
    "operationType":"BACKUP",
    "summaryMessage":"BACKUP",
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "initiatedBy":"USER",
    "messages":[
```

```
        {
            "activityDate":"2016-07-27T19:02:36.517+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-07-27T19:02:36.555+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-07-27T19:02:38.670+0000",
            "message":"Backup-Status [BACKUP_IN_PROGRESS]"
        },
        {
            "activityDate":"2016-07-27T19:20:26.523+0000",
            "message":"Database Backup completed with
[TAG20160727T190643]"
        },
        {
            "activityDate":"2016-07-27T19:20:26.557+0000",
            "message":"Backup-Status [BACKUP_COMPLETED]"
        },
        {
            "activityDate":"2016-07-27T19:20:26.570+0000",
            "message":"Activity Ended"
        }
    ]
}
```

psm dbcs create-access-rule

Create an access rule for an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs create-access-rule
  -s|--service-name instance-name
  -c|--config-payload json-file
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance for which you want to create an access rule.

Parameter	Description
`-c|--config-payload` *`json-file`*	Specifies the path to a JSON file containing the information necessary to create an access rule. The format of this file is the same as the request body you provide when adding an access rule by using the REST API. For information about this format, see the "Body" section of Create a Rule in *REST API for Oracle Database Classic Cloud Service*.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example creates the access rule specified by information provided in the `createaccessrule.json` file for the `db12c-xp-si2` Database Classic Cloud Service instance.

```
$ psm dbcs create-access-rule --service-name db12c-xp-si2 --config-payload
createaccessrule.json
"Accepted"
```

Listing of `createaccessrule.json`

```
{
  "ruleName":"example-https",
  "description":"",
  "source":"192.0.2.0/24",
  "destination":"DB",
  "ports":"443",
  "status":"enabled"
}
```

psm dbcs create-service

Create an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs create-service -c|--config-payload json-file [-of|--output-format
json|html|short]
```

Parameters

Parameter	Description
`-c|--config-payload` *`json-file`*	Specifies the path to a JSON file containing the instance-creation information necessary to create aDatabase Classic Cloud Service instance. The format of this file is the same as the request body you provide when creating a Database Classic Cloud Service instance by using the REST API. For information about this format, see the "Body" section of Create a Service Instance in *REST API for Oracle Database Classic Cloud Service*.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example creates a Database Classic Cloud Service instance as specified by information provided in the `create_db12c-ee.json` file.

```
$ psm dbcs create-service --config-payload create_db12c-ee.json
"Accepted"
Job ID : 553993
```

Here is the information about job 553993 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 553993
{
    "activityLogId":241360,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "endDate":"2016-05-03T05:05:14.192+0000",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":553993,
    "messages":[
        {
            "activityDate":"2016-05-03T04:33:34.809+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-05-03T04:33:38.379+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-05-03T04:40:20.762+0000",
            "message":"Started all Compute resources..."
        },
        {
```

```
            "activityDate":"2016-05-03T04:40:21.639+0000",
            "message":"SSH access to VM [DB_1/vm-1] succeeded..."
        },
        {
            "activityDate":"2016-05-03T04:58:38.863+0000",
            "message":"Oracle Database Server Configuration completed..."
        },
        {
            "activityDate":"2016-05-03T05:04:43.178+0000",
            "message":"Service Reachabilty Check (SRC) of Oracle Database
Server completed..."
        },
        {
            "activityDate":"2016-05-03T05:04:43.247+0000",
            "message":"Successfully provisioned Oracle Database Server..."
        },
        {
            "activityDate":"2016-05-03T05:05:14.192+0000",
            "message":"Activity Ended"
        }
    ],
    "operationId":23156,
    "operationType":"CREATE_SERVICE",
    "serviceId":23156,
    "serviceName":"db12c-ee",
    "serviceType":"dbaas",
    "startDate":"2016-05-03T04:33:34.809+0000",
    "status":"SUCCEED",
    "summaryMessage":"CREATE_SERVICE"
}
```

Listing of `create_db12c-ee.json`

Note that the value of `vmPublicKeyText` has been truncated in the following listing.

```
{
  "serviceName": "db12c-ee",
  "version": "12.1.0.2",
  "level": "PAAS",
  "edition": "EE",
  "subscriptionType": "MONTHLY",
  "shape": "oc3",
  "vmPublicKeyText": "ssh-rsa AAAAB3Nz...",
  "parameters": [
    {
      "type": "db",
      "usableStorage": "25",
      "adminPassword": "password",
      "sid": "ORCL",
      "backupDestination": "BOTH",
      "cloudStorageContainer": "Storage-usexample\/dbcsbackups",
      "cloudStorageUser": "dbaasadmin",
      "cloudStoragePwd": "password"
    }
```

```
  ]
}
```

psm dbcs create-snapshot

Creates a snapshot of the storage volumes of an Oracle Database Classic Cloud Service instance hosting a single-instance database.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs create-snapshot
  -s|--service-name instance-name
  -n|--snapshot-name snapshot-name
  [-d|--description description]
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to make a storage snapshot of.
`-n|--snapshot-name` *`snapshot-name`*	Specifies the name of the storage snapshot to create.
`-d|--description` *`description`*	(Optional) Specifies a description for the storage snapshot.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example creates the `snapshot4patchtest` storage snapshot of the `db121-ep-si` Database Classic Cloud Service instance.

```
$ psm dbcs create-snapshot --service-name db121-ep-si \
--snapshot-name snapshot4patchtest \
--description "Snapshot to test application of PSU patch"
```

psm dbcs delete-access-rule

Delete an access rule from an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs delete-access-rule
  -s|--service-name instance-name
  -r|--rule-name rule-name
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance whose access rule you want to delete.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to delete.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example deletes the access rule `example-https` from the `db12c-xp-si2` Database Classic Cloud Service instance.

```
$ psm dbcs delete-access-rule --service-name db12c-xp-si2 --rule-name
example-https
{
    "rule":{
        "ruleName":"example-https",
        "description":"",
        "status":"enabled",
        "source":"192.0.2.0/24",
        "destination":"DB",
        "ports":"443",
        "ruleType":"USER"
    }
}
```

psm dbcs delete-service

Delete an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs delete-service -s|--service-name instance-name [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to delete.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example deletes the `db12c-eeep` Database Classic Cloud Service instance.

```
$ psm dbcs delete-service --service-name db12c-eeep
{
    "created_by":"dbaasadmin",
    "creation_time":"Tue May 3 0:35:23 UTC 2016",
    "description":"Example deployment",
    "identity_domain":"usexample",
    "last_modified_time":"Tue May 3 0:35:23 UTC 2016",
    "service_name":"db12c-eeep",
    "service_uri":"https://psm.us.oraclecloud.com:443/paas/service/
dbcs/api/v1.1/instances/usexample/db12c-eeep",
    "sm_plugin_version":"16.2.1.1",
    "status":"Terminating",
    "version":"12.1.0.2"
}
Job ID : 555373
```

Here is the information about job 555373 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 555373
{
    "activityLogId":239721,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "endDate":"2016-05-03T04:16:25.399+0000",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":555373,
    "messages":[
```

```
            {
                "activityDate":"2016-05-03T04:11:21.554+0000",
                "message":"Activity Submitted"
            },
            {
                "activityDate":"2016-05-03T04:11:27.792+0000",
                "message":"Activity Started"
            },
            {
                "activityDate":"2016-05-03T04:11:27.817+0000",
                "message":"Initiating Database Service Termination..."
            },
            {
                "activityDate":"2016-05-03T04:15:23.569+0000",
                "message":"Stopped all Compute resources..."
            },
            {
                "activityDate":"2016-05-03T04:16:11.298+0000",
                "message":"Removed Compute resources..."
            },
            {
                "activityDate":"2016-05-03T04:16:22.933+0000",
                "message":"Database Service record removal complete..."
            },
            {
                "activityDate":"2016-05-03T04:16:25.399+0000",
                "message":"Activity Ended"
            }
        ],
        "operationId":22847,
        "operationType":"DELETE_SERVICE",
        "serviceId":22847,
        "serviceName":"db12c-eeep",
        "serviceType":"dbaas",
        "startDate":"2016-05-03T04:11:21.554+0000",
        "status":"SUCCEED",
        "summaryMessage":"DELETE_SERVICE"
    }
```


psm dbcs delete-snapshot

Deletes a storage snapshot of an Oracle Database Classic Cloud Service instance.

> **Note:**
>
> You cannot delete a storage snapshot that has linked clone service instances created from it. You must first delete the linked clone instances.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs delete-snapshot
  -s|--service-name instance-name
  -n|--snapshot-name snapshot-name
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance whose storage snapshot you want to delete.
`-n|--snapshot-name` *`snapshot-name`*	Specifies the name of the storage snapshot you want to delete.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example deletes the `snapshot4patchtest` storage snapshot of the `db121-ep-si` Database Classic Cloud Service instance.

```
$ psm dbcs delete-snapshot --service-name db121-ep-si --snapshot-name
snapshot4patchtest
```

psm dbcs disable-access-rule

Disables an access rule of an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs disable-access-rule
  -s|--service-name instance-name
  -r|--rule-name rule-name
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance whose access rule you want to disable.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to disable.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example disables the access rule `example-https` of the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs disable-access-rule --service-name db12c-xp-si --rule-name
example-https
{
    "ruleName":"example-https",
    "description":"",
    "status":"disabled",
    "source":"192.0.2.0/24",
    "destination":"DB",
    "ports":"443",
    "ruleType":"USER"
}
```

psm dbcs enable-access-rule

Enables an access rule of an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs enable-access-rule
  -s|--service-name instance-name
  -r|--rule-name rule-name
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance whose access rule you want to enable.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to enable.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example enables the access rule `example-https` of the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs enable-access-rule --service-name db12c-xp-si --rule-name
example-https
{
    "ruleName":"example-https",
    "description":"",
    "status":"enabled",
    "source":"192.0.2.0/24",
    "destination":"DB",
    "ports":"443",
    "ruleType":"USER"
}
```

psm dbcs operation-status

View the status of an operation on an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs operation-status -j|--job-id job-id [-of|--output-format json|
html|short]
```

Parameters

Parameter	Description
`-j|--job-id` *`job-id`*	Specifies the ID number of the job about which you want information.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example shows the current status of job `553943`, which is an in-progress operation to stop the `db12c-eeep` Database Classic Cloud Service instance.

```
$ psm dbcs operation-status --job-id 553943
{
    "activityLogId":241345,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":553943,
    "messages":[
        {
            "activityDate":"2016-05-03T03:11:20.152+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-05-03T03:11:25.137+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-05-03T03:11:25.184+0000",
            "message":"The Service [db12c-eeep] is being stopped..."
        }
    ],
    "operationId":22847,
    "operationType":"STOP_SERVICE",
    "serviceId":22847,
    "serviceName":"db12c-eeep",
    "serviceType":"dbaas",
    "startDate":"2016-05-03T03:11:20.152+0000",
    "status":"RUNNING",
    "summaryMessage":"STOP_SERVICE"
}
```

psm dbcs patch

Apply a patch to an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs patch
  -s|--service-name instance-name
  -p|--patch-id patch-id
  [-n|--additional-note note-text]
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to patch.
`-p|--patch–id` *`patch-id`*	Specifies the patch ID of the patch to apply. To retrieve a list of patch IDs available to apply a service instance, see psm dbcs available-patches.
`-n|--additional-note` *`note-text`*	(Optional) Specifies custom note text you want to associate with the patching operation.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example applies patch `22291127-EE` to the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs patch --service-name db12c-xp-si --patch-id 22291127-EE
{
    "status":"Completed",
    "details":{
        "message":"PATCHING-5068: Patching service with patch
[22291127-EE] is submitted as an asynchronous job.",
        "jobId":"5859931"
    }
}
Job ID : 5859931
```

Here is the information about job 5859931 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 5859931
{
    "activityLogId":3651105,
```

```
    "serviceName":"db12c-xp-si",
    "serviceType":"dbaas",
    "identityDomain":"usexample",
    "serviceId":129996,
    "jobId":5859931,
    "startDate":"2016-07-27T18:32:12.481+0000",
    "endDate":"2016-07-27T18:59:46.429+0000",
    "status":"SUCCEED",
    "operationId":129996,
    "operationType":"PATCH",
    "summaryMessage":"PATCH",
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2016-07-27T18:32:12.480+0000",
            "message":"Phase initialize completed"
        },
        {
            "activityDate":"2016-07-27T18:32:12.481+0000",
            "message":"Patching job [5859931] initiated by [dbaasadmin]
started.."
        },
        {
            "activityDate":"2016-07-27T18:59:46.207+0000",
            "message":"Phase patch completed"
        },
        {
            "activityDate":"2016-07-27T18:59:46.427+0000",
            "message":"Completed"
        }
    ]
}
```


psm dbcs precheck-patch

Perform a precheck on an Oracle Database Classic Cloud Service instance to identify potential issues that might prevent a specified patch from being applied successfully.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs precheck-patch
  -s|--service-name instance-name
  -p|--patch-id patch-id
  [-of|--output-format json|html|short]
```

Description

This command performs a precheck to identify potential issues that might prevent the specified patch from being applied successfully without actually patching the service instance. Specifically, the patching precheck reports on the following conditions:

- Disk space shortage
- Database connectivity failure
- Server access failure
- Storage access failure

Prechecking does not check whether another administration task (backup, restoration, or scaling) is in progress, which would prevent patching.

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance on which you want to precheck the patch.
`-p|--patch-id` *`patch-id`*	Specifies the patch ID of the patch to precheck. To retrieve a list of patch IDs available to apply a service instance, see psm dbcs available-patches.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example shows a precheck of patch `22291127-EE` on the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs precheck-patch --service-name db12c-xp-si --patch-id
22291127-EE
{
    "status":"Completed",
    "details":{
        "message":"PATCHING-5227: Pre-Checking service for patch
[22291127-EE] is submitted as an asynchronous job.",
        "jobId":"5859919"
    }
}
Job ID : 5859919
```

Here is the information about job 5859919 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 5859919
{
    "activityLogId":3651100,
    "serviceName":"db12c-xp-si",
    "serviceType":"dbaas",
    "identityDomain":"usexample",
    "serviceId":129996,
    "jobId":5859919,
    "startDate":"2016-07-27T18:28:54.346+0000",
    "endDate":"2016-07-27T18:29:58.990+0000",
    "status":"SUCCEED",
    "operationId":129996,
    "operationType":"PRECHECK",
    "summaryMessage":"PRECHECK",
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2016-07-27T18:28:54.344+0000",
            "message":"Phase initialize completed"
        },
        {
            "activityDate":"2016-07-27T18:28:54.346+0000",
            "message":"Patching job [5859919] initiated by [dbaasadmin]
started.."
        },
        {
            "activityDate":"2016-07-27T18:29:58.945+0000",
            "message":"Phase pre-check completed"
        },
        {
            "activityDate":"2016-07-27T18:29:58.988+0000",
            "message":"Completed"
        }
    ]
}
```

psm dbcs recover

Perform a recovery from backup on an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs recover
  -s|--service-name instance-name
  -c|--config-payload json-file
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance on which you want to perform the recovery operation.
`-c|--config-payload` *`json-file`*	Specifies the path to a JSON file containing the information necessary to perform the recovery operation. The format of this file is the same as the request body you provide when adding an access rule by using the REST API. For information about this format, see the "Body" section of Start a Recovery Operation in *REST API for Oracle Database Classic Cloud Service*.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example performs a recovery from backup as specified by information provided in the `recover.json` file on the `db12c-xp-si2` Database Classic Cloud Service instance.

```
$ psm dbcs recover --service-name db12c-xp-si2 --config-payload
recover.json
"Accepted"
Job ID : 5858793
```

Listing of `recover.json`

```
{
  "tag" : "TAG20160719T230330"
}
```

Here is the information about job 5858793 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 5858793
{
    "activityLogId":3654208,
    "serviceName":"db12c-xp-si2",
    "serviceType":"dbaas",
    "identityDomain":"usexample",
    "serviceId":141969,
    "jobId":5858793,
    "startDate":"2016-07-27T21:42:27.919+0000",
    "endDate":"2016-07-27T21:49:39.042+0000",
    "status":"SUCCEED",
    "operationId":141969,
```

```
    "operationType":"RECOVER",
    "summaryMessage":"RECOVER",
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2016-07-27T21:42:27.919+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-07-27T21:42:27.965+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-07-27T21:42:30.114+0000",
            "message":"Recovery-Status [RECOVERY_IN_PROGRESS]"
        },
        {
            "activityDate":"2016-07-27T21:42:30.114+0000",
            "message":"Recovery of database done using tag:
[TAG20160719T230330]"
        },
        {
            "activityDate":"2016-07-27T21:49:39.027+0000",
            "message":"Recovery-Status [RECOVERY_COMPLETED]"
        },
        {
            "activityDate":"2016-07-27T21:49:39.042+0000",
            "message":"Activity Ended"
        }
    ]
}
```


psm dbcs restart

Restart an Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs restart -s|--service-name instance-name [-of|--output-format json|
html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to restart.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example restarts the `db12c-eeep` Database Classic Cloud Service instance.

```
$ psm dbcs restart --service-name db12c-eeep
"Accepted"
Job ID : 555362
```

Here is the information about job 555362 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 555362
{
    "activityLogId":239720,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "endDate":"2016-05-03T03:29:03.680+0000",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":555362,
    "messages":[
        {
            "activityDate":"2016-05-03T03:22:21.180+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-05-03T03:22:26.139+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-05-03T03:22:26.176+0000",
            "message":"The Service [db12c-eeep] is restarting..."
        },
        {
            "activityDate":"2016-05-03T03:29:01.823+0000",
            "message":"Started Virtual Machine vm-1..."
        },
        {
            "activityDate":"2016-05-03T03:29:02.154+0000",
            "message":"SSH access to VM [DB_1/vm-1] succeeded..."
        },
        {
            "activityDate":"2016-05-03T03:29:03.665+0000",
            "message":"The Service [db12c-eeep] has been restarted."
```

```
        },
        {
            "activityDate":"2016-05-03T03:29:03.680+0000",
            "message":"Activity Ended"
        }
    ],
    "operationId":22847,
    "operationType":"RESTART_SERVICE",
    "serviceId":22847,
    "serviceName":"db12c-eeep",
    "serviceType":"dbaas",
    "startDate":"2016-05-03T03:22:21.180+0000",
    "status":"SUCCEED",
    "summaryMessage":"RESTART_SERVICE"
}
```


psm dbcs rollback

Rolls back a patch that was applied to an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs rollback
  -s|--service-name instance-name
  -r|--rollback-id rollback-id
  [-n|--additional-note note-text]
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance on which you want to roll back the patch.
`-r|--rollback-id` *`rollback-id`*	Specifies the rollback ID of the patch to roll back. To learn the rollback ID of a patch applied to a service instance, use the psm dbcs applied-patches command.
`-n|--additional-note` *`note-text`*	(Optional) Specifies custom note text you want to associate with the rollback operation.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example rolls back application of the patch specified by rollback ID `131003` from the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs rollback --service-name db12c-xp-si --rollback-id 131003
{
    "status":"Completed",
    "details":{
        "message":"PATCHING-5038: Rollback of service from patch
[22291127-EE] is submitted as an asynchronous job.",
        "jobId":"5858496"
    }
}
Job ID : 5858496
```

Here is the information about job 5858496 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 5858496
{
    "activityLogId":3654168,
    "serviceName":"db12c-xp-si",
    "serviceType":"dbaas",
    "identityDomain":"usexample",
    "serviceId":129996,
    "jobId":5858496,
    "startDate":"2016-07-27T19:09:08.157+0000",
    "endDate":"2016-07-27T19:28:35.272+0000",
    "status":"SUCCEED",
    "operationId":129996,
    "operationType":"ROLLBACK",
    "summaryMessage":"ROLLBACK",
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2016-07-27T19:09:08.155+0000",
            "message":"Phase initialize completed"
        },
        {
            "activityDate":"2016-07-27T19:09:08.157+0000",
            "message":"Patching job [5858496] initiated by
[dbaasadmin] started.."
        },
        {
            "activityDate":"2016-07-27T19:28:35.219+0000",
            "message":"Phase rollback completed"
        },
        {
            "activityDate":"2016-07-27T19:28:35.270+0000",
            "message":"Completed"
```

```
        }
    ]
}
```

psm dbcs scale-down

Scale down the shape (OCPUs and memory) of an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs scale-down -s|--service-name instance-name
  -p|--shape shape-name
  [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to scale down.
`-p|--shape` *`shape-name`*	Specifies the shape to scale down to. Valid values for *`shape-name`* are as follows: • `oc3` — 1 OCPU with 7.5 GB RAM • `oc4` — 2 OCPUs with 15 GB RAM • `oc5` — 4 OCPUs with 30 GB RAM • `oc6` — 8 OCPUs with 60 GB RAM • `oc7` — 16 OCPUs with 120 GB RAM • `oc1m` — 1 OCPU with 15 GB RAM • `oc2m` — 2 OCPUs with 30 GB RAM • `oc3m` — 4 OCPUs with 60 GB RAM • `oc4m` — 8 OCPUs with 120 GB RAM
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example scales down the `db12c-eeep` Database Classic Cloud Service instance to the `oc3` shape.

```
$ psm dbcs scale-down --service-name db12c-eeep --shape oc3
"Accepted"
Job ID : 553968
```

Here is the information about job 553968 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 553968
{
    "activityLogId":241350,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "endDate":"2016-05-03T04:03:34.154+0000",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":553968,
    "messages":[
        {
            "activityDate":"2016-05-03T03:56:30.027+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-05-03T03:56:36.790+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-05-03T03:58:55.352+0000",
            "message":"Update of Database Service VM successful..."
        },
        {
            "activityDate":"2016-05-03T04:03:09.222+0000",
            "message":"Started Virtual Machine vm-1..."
        },
        {
            "activityDate":"2016-05-03T04:03:09.635+0000",
            "message":"SSH access to VM [DB_1/vm-1] succeeded..."
        },
        {
            "activityDate":"2016-05-03T04:03:34.154+0000",
            "message":"Activity Ended"
        }
    ],
    "operationId":22847,
    "operationType":"SCALE_UP",
    "serviceId":22847,
    "serviceName":"db12c-eeep",
    "serviceType":"dbaas",
    "startDate":"2016-05-03T03:56:30.027+0000",
    "status":"SUCCEED",
    "summaryMessage":"SCALE_UP"
}
```

psm dbcs scale-up

Scale up the shape (OCPUs and memory) or the storage of an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs scale-up -s|--service-name instance-name
  {
    -p|--shape shape-name |
    -a|--additional-storage size-in-gb [-u|--usage data|fra]
  }
  [-of|--output-format json|html|short]
```

Description

When you use this command, you can specify only one scaling operation:

- Use the `-p` or `--shape` parameter to scale up the shape (OCPUs and memory) of the service instance.
- Use the `-a` or `--additional-storage` parameter to scale up the storage of the service instance.

When you scale up storage, you can optionally specify the `-u` or `--usage` parameter to have the storage added to the database's data storage or to the database's fra (fast recovery area) storage. If you do not use these parameters, a new storage volume is created and added to the service instance.

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to scale up.
`-p|--shape` *`shape-name`*	Specifies scaling up the shape of the service instance. Valid values for *`shape-name`* are as follows: • `oc4` — 2 OCPUs with 15 GB RAM • `oc5` — 4 OCPUs with 30 GB RAM • `oc6` — 8 OCPUs with 60 GB RAM • `oc7` — 16 OCPUs with 120 GB RAM • `oc1m` — 1 OCPU with 15 GB RAM • `oc2m` — 2 OCPUs with 30 GB RAM • `oc3m` — 4 OCPUs with 60 GB RAM • `oc4m` — 8 OCPUs with 120 GB RAM • `oc5m` — 16 OCPUs with 240 GB RAM
`-a|--additional-storage` *`size-in-gb`*	Specifies scaling up the storage of the service instance. *`size-in-gb`* is a number from 1 to 2000 specifying the amount of storage you want add in gigabytes.
`-u|--usage data|fra`	(Optional; permitted only when scaling up storage) Specifies how the additional storage is to be used: • `data` specifies that the additional storage is to be allocated to the database's data storage. • `fra` specifies that the additional storage is to be allocated to the database's fra (fast recovery area) storage.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example scales up the `db12c-eeep` Database Classic Cloud Service instance to the `oc4` shape.

```
$ psm dbcs scale-up --service-name db12c-eeep --shape oc4
"Accepted"
Job ID : 553960
```

Here is the information about job 553960 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 553960
{
    "activityLogId":241348,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "endDate":"2016-05-03T03:51:20.650+0000",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":553960,
    "messages":[
        {
            "activityDate":"2016-05-03T03:44:34.137+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-05-03T03:44:36.353+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-05-03T03:46:54.102+0000",
            "message":"Update of Database Service VM successful..."
        },
        {
            "activityDate":"2016-05-03T03:51:07.900+0000",
            "message":"Started Virtual Machine vm-1..."
        },
        {
            "activityDate":"2016-05-03T03:51:08.348+0000",
            "message":"SSH access to VM [DB_1/vm-1] succeeded..."
        },
        {
            "activityDate":"2016-05-03T03:51:20.650+0000",
            "message":"Activity Ended"
```

```
        }
    ],
    "operationId":22847,
    "operationType":"SCALE_UP",
    "serviceId":22847,
    "serviceName":"db12c-eeep",
    "serviceType":"dbaas",
    "startDate":"2016-05-03T03:44:34.137+0000",
    "status":"SUCCEED",
    "summaryMessage":"SCALE_UP"
}
```

psm dbcs service

Display information about a single Oracle Database Classic Cloud Service instance in the identity domain.

Syntax

```
psm dbcs service -s|--service-name instance-name [-of|--output-format json|
html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want information about.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays information about the `db12c-eeep` Database Classic Cloud Service instance.

```
$ psm dbcs service --service-name db12c-eeep
{
    "apex_url":"https://129.152.136.228/apex/pdb1/",
    "backup_destination":"BOTH",
    "charset":"AL32UTF8",
    "cloud_storage_container":"Storage-usexample/dbcsbackups",
    "compute_site_name":"US002_Z13",
    "connect_descriptor":"db12c-eeep:1521/
PDB1.usexample.oraclecloud.internal",
    "connect_descriptor_with_public_ip":"129.152.136.228:1521/
PDB1.usexample.oraclecloud.internal",
    "created_by":"dbaasadmin",
```

```
    "creation_job_id":"555311",
    "creation_time":"Tue May 3 0:35:23 UTC 2016",
    "current_version":"12.1.0.2.160119",
    "dbaasmonitor_url":"https://129.152.136.228/dbaas_monitor",
    "description":"Example deployment",
    "edition":"EE_EP",
    "em_url":"https://129.152.136.228:5500/em",
    "failover_database":false,
    "glassfish_url":"https://129.152.136.228:4848",
    "identity_domain":"usexample",
    "jaas_instances_using_service":"",
    "last_modified_time":"Tue May 3 0:35:23 UTC 2016",
    "level":"PAAS",
    "listenerPort":1521,
    "ncharset":"AL16UTF16",
    "num_ip_reservations":1,
    "num_nodes":1,
    "pdbName":"PDB1",
    "rac_database":false,
    "service_name":"db12c-eeep",
    "service_uri":"https://psm.us.oraclecloud.com:443/paas/service/
dbcs/api/v1.1/instances/usexample/db12c-eeep",
    "shape":"oc3",
    "sid":"ORCL",
    "sm_plugin_version":"16.2.1.1",
    "status":"Running",
    "subscriptionType":"MONTHLY",
    "timezone":"UTC",
    "version":"12.1.0.2"
}
```


psm dbcs services

Display information about all Oracle Database Classic Cloud Service instances in the identity domain.

Syntax

```
psm dbcs services [-o|--outputLevel verbose] [-of|--output-format json|
html|short]
```

Parameters

Parameter	Description
`-o|--outputLevel verbose`	(Optional) Specifies that full, detailed information is to be provided for each Database Classic Cloud Service instance in the identity domain.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays basic information about the Database Classic Cloud Service instances in the `usexample` identity domain. The response shows one running instance, `db12c-eeep`.

```
$ psm dbcs services
{
    "implementation_version":"1.0",
    "service_type":"dbaas",
    "services":[
        {
            "created_by":"dbaasadmin",
            "creation_time":"Tue May 3 0:35:23 UTC 2016",
            "description":"Example deployment",
            "identity_domain":"usexample",
            "last_modified_time":"Tue May 3 0:35:23 UTC 2016",
            "service_name":"db12c-eeep",
            "service_uri":"https://psm.us.oraclecloud.com:443/paas/service/
dbcs/api/v1.1/instances/usexample/db12c-eeep",
            "sm_plugin_version":"16.2.1.1",
            "status":"Running",
            "version":"12.1.0.2"
        }
    ],
    "subscriptions":[],
    "uri":"https://psm.us.oraclecloud.com:443/paas/service/dbcs/api/v1.1/
instances/usexample"
}
```

psm dbcs snapshot

Displays information about a single storage snapshot of an Oracle Database Classic Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dbcs snapshot
  -s|--service-name instance-name
```

```
-n|--snapshot-name snapshot-name
[-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance whose storage snapshot you want information about.
`-n|--snapshot-name` *`snapshot-name`*	Specifies the name of the storage snapshot you want information about.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays information about the `snapshot4patchtest` storage snapshot of the `db121-ep-si` Database Classic Cloud Service instance.

```
$ psm dbcs snapshot --service-name db121-ep-si --snapshot-name
snapshot4patchtest
```

psm dbcs snapshots

Display information about all the storage snapshots of a single Oracle Database Classic Cloud Service instance in the identity domain.

Syntax

```
psm dbcs snapshots -s|--service-name instance-name [-of|--output-
format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance whose storage snapshots you want information about.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays information about the storage snapshots of the `db121-ep-si` Database Classic Cloud Service instance.

```
$ psm dbcs snapshots --service-name db121-ep-si
```

psm dbcs start

Start a stopped Oracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs start -s|--service-name instance-name [-of|--output-format json|
html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance you want to start.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example starts the `db12c-eeep` Database Classic Cloud Service instance.

```
$ psm dbcs start --service-name db12c-eeep
"Accepted"
Job ID : 555353
```

Here is the information about job 555353 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 555353
{
    "activityLogId":239718,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "endDate":"2016-05-03T03:19:21.454+0000",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":555353,
    "messages":[
        {
            "activityDate":"2016-05-03T03:15:02.236+0000",
```

```
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-05-03T03:15:05.976+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-05-03T03:15:06.023+0000",
            "message":"The Service [db12c-eeep] is starting..."
        },
        {
            "activityDate":"2016-05-03T03:19:19.398+0000",
            "message":"Started all Compute resources..."
        },
        {
            "activityDate":"2016-05-03T03:19:19.754+0000",
            "message":"SSH access to VM [DB_1/vm-1] succeeded..."
        },
        {
            "activityDate":"2016-05-03T03:19:21.443+0000",
            "message":"The Service [db12c-eeep] has been started."
        },
        {
            "activityDate":"2016-05-03T03:19:21.454+0000",
            "message":"Activity Ended"
        }
    ],
    "operationId":22847,
    "operationType":"START_SERVICE",
    "serviceId":22847,
    "serviceName":"db12c-eeep",
    "serviceType":"dbaas",
    "startDate":"2016-05-03T03:15:02.236+0000",
    "status":"SUCCEED",
    "summaryMessage":"START_SERVICE"
}
```


psm dbcs stop

Stop an Oracle Database Classic Cloud Service instance.

Syntax

psm dbcs stop -s|--service-name *instance-name* [-of|--output-format json|html|short]

Parameters

Parameter	Description
-s|--service-name *instance-name*	Specifies the name of the Database Classic Cloud Service instance you want to stop.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example stops the `db12c-eeep` Database Classic Cloud Service instance.

```
$ psm dbcs stop --service-name db12c-eeep
"Accepted"
Job ID : 553943
```

Here is the information about job 553943 upon successful completion of the operation:

```
$ psm dbcs operation-status --job-id 553943
{
    "activityLogId":241345,
    "authDomain":"usexample",
    "authUser":"dbaasadmin",
    "endDate":"2016-05-03T03:13:35.086+0000",
    "identityDomain":"usexample",
    "initiatedBy":"USER",
    "jobId":553943,
    "messages":[
        {
            "activityDate":"2016-05-03T03:11:20.152+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-05-03T03:11:25.137+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-05-03T03:11:25.184+0000",
            "message":"The Service [db12c-eeep] is being stopped..."
        },
        {
            "activityDate":"2016-05-03T03:13:35.073+0000",
            "message":"The Service [db12c-eeep] has been stopped."
        },
        {
            "activityDate":"2016-05-03T03:13:35.086+0000",
            "message":"Activity Ended"
        }
    ],
    "operationId":22847,
    "operationType":"STOP_SERVICE",
```

```
    "serviceId":22847,
    "serviceName":"db12c-eeep",
    "serviceType":"dbaas",
    "startDate":"2016-05-03T03:11:20.152+0000",
    "status":"SUCCEED",
    "summaryMessage":"STOP_SERVICE"
}
```

psm dbcs view-backups

List all backups of anOracle Database Classic Cloud Service instance.

Syntax

```
psm dbcs view-backups -s|--service-name instance-name [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Database Classic Cloud Service instance for which you want to see a list of backups.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists backups of the `db12c-xp-si` Database Classic Cloud Service instance.

```
$ psm dbcs view-backups --service-name db12c-xp-si2
{
    "backupList":[
        {
            "backupCompleteDate":"23-Jul-2016 23:04:54 UTC",
            "dbTag":"TAG20160723T230454",
            "status":"COMPLETED"
        },
        {
            "backupCompleteDate":"20-Jul-2016 23:03:36 UTC",
            "dbTag":"TAG20160720T230336",
            "status":"COMPLETED"
        },
        {
            "backupCompleteDate":"19-Jul-2016 23:03:30 UTC",
            "dbTag":"TAG20160719T230330",
```

```
            "status":"COMPLETED"
        },
        {
            "backupCompleteDate":"18-Jul-2016 23:05:59 UTC",
            "dbTag":"TAG20160718T230559",
            "status":"COMPLETED"
        }
    ]
}
```

11
psm dhcs Commands

The `psm dhcs` commands perform various life-cycle and administrative operations on Oracle Data Hub Cloud Service clusters.

Category	Command
Cluster	psm dhcs create-service – creates a cluster. psm dhcs delete-service – deletes a cluster. psm dhcs services – provides summary information about all active clusters in your identity domain. psm dhcs service – provides detailed information about a particular cluster. psm dhcs restart – restarts the cluster. psm dhcs stop – stops a running cluster. psm dhcs start – starts a cluster. psm dhcs add-ssh-public-key – updates the SSH key used by a cluster.
Access Control	psm dhcs access-rules – lists all access rules associated with a cluster. psm dhcs create-access-rule – creates access rules for a cluster. psm dhcs delete-access-rule – deletes access rules for a cluster. psm dhcs disable-access-rule – disables access rules for a cluster. psm dhcs enable-access-rule – enables access rules for a cluster.
Scaling	psm dhcs add-storage – extends storage volumes of a specified cluster. psm dhcs scale – changes the compute shape of the specified compute node. psm dhcs scale-in – performs scale in operation for a cluster. psm dhcs scale-out – performs scale out operation for a cluster.
Backup Configuration	psm dhcs update-backup-config – updates the backup configuration of the specified cluster. psm dhcs view-backup-config – lists the backup configuration of the specified cluster.
Backups	psm dhcs add-backup-service – adds a backup service to an existing cluster. psm dhcs backup – initiates the backup of the specified cluster. psm dhcs delete-backup – deletes the backup of a cluster. psm dhcs view-backup – displays the backup of a cluster. psm dhcs view-backups – lists all backups of a cluster.
Restore	psm dhcs restore – restores a cluster from the specified backup. psm dhcs view-restore – lists a specified restore operation for a cluster. psm dhcs view-restores – lists all restore operations for a cluster.

Category	Command
Patches	psm dhcs available-patches – lists all patches available for a cluster. psm dhcs precheck-patch – identifies potential issues that might prevent the specified patch from completing successfully. psm dhcs patch – applies a patch to a cluster. psm dhcs applied-patches – lists all patches applied to cluster. psm dhcs rollback – rolls back a patch for a cluster.
Job Status	psm dhcs activities – lists the activities of a specific cluster. psm dhcs operation-status – shows the status of a running or completed operation. psm dhcs check-health – displays the current health status of a cluster.

psm dhcs access-rules

List the access rules defined for an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs access-rules -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists access rules for the `cluster1` cluster.

```
$ psm dhcs access-rules --service-name cluster1
{
    "accessRules":[
        {
            "ruleName":"ora_p2cass_ssh",
            "description":"VM SSH port",
            "status":"disabled",
```

```
            "source":"PUBLIC-INTERNET",
            "destination":"CASSANDRA_MAIN_SERVER",
            "ports":"22",
            "protocol":"tcp",
            "ruleType":"DEFAULT"
        },
        {
            "ruleName":"ora_trusted_hosts_cp",
            "description":"Client connection port",
            "status":"enabled",
            "source":"127.0.0.1/32,XX.XXX.XXX.176/32",
            "destination":"CASSANDRA_MAIN_SERVER",
            "ports":"9042",
            "protocol":"tcp",
            "ruleType":"SYSTEM"
        },
        {
            "ruleName":"ora_p2cass_https",
            "description":"Console SSL port",
            "status":"enabled",
            "source":"PUBLIC-INTERNET",
            "destination":"CASSANDRA_MAIN_SERVER",
            "ports":"8081",
            "protocol":"tcp",
            "ruleType":"DEFAULT"
        },
        {
            "ruleName":"sys_infra2cc_admin_ssh",
            "description":"DO NOT MODIFY: Permit PSM to ssh to admin host",
            "status":"enabled",
            "source":"PAAS-INFRA",
            "destination":"CASSANDRA_ADMIN_HOST",
            "ports":"22",
            "protocol":"tcp",
            "ruleType":"SYSTEM"
        }
    ],
    "activities":[]
}
```


psm dhcs activities

Lists the activities of an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs activities -s|--service-name cluster-name
    [-f|--from-start-date date]
    [-t|--to-start-date date]
    [-a|--status NEW|RUNNING|SUCCEED|FAILED|WARN]
    [-o|--operation-type LIST]
```

```
[-l|--limit-row-count integer]
[-e|--offset number-of-activities]
[-d|--order-by fieldName]
[-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`–f|--from-start-date`	Retrieve activities performed after this date. Specifies the start of a range. If no end date is defined, the current date is used. Supported formats are ISO date and time formats: • `yyyy-MM-dd'T'HH:mm:ss` • `yyyy-MM-dd HH:mm:ss` • `yyy-MM-dd`
`–t|--to-start-date`	Specifies the end of a range. Can be used with `from-start-date`.
`–a|--status`	Specifies the types of activity required. Valid values are `NEW|RUNNING|SUCCEED|FAILED|WARN`.
`–o|--operation-type`	Specifies the types of operation required.
`-l|--limit-row-count`	Specifies how many rows of results to return. The default is 10.
`-e|--offset`	Defines the number of activities to display. If the offset is set to 3, and 5 activities are returned, only the last 3 activities are displayed. This can be combined with `limit-row-count` to further restrict the number of activities in the result set.
`-d|--order-by`	Filter criteria to sort the result set. Defined as `fieldName: asc|desc`.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example requests the failed activities of the `cluster1` cluster, from 01 January 2017, to 30 September 2017:

```
$ psm dhcs activities -s cluster1 -f 2017-01-01 -t 2017-09-30 -a FAILED
{
    "activityLogs":[],
    "totalCount":0
}
```

psm dhcs add-backup-service

Use this command to add a backup service to an existing Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs add-backup-service -s|--service-name cluster-name
    -a|--backup-destination backupDestination
    -l|--cloud-storage-container storageContainer
    [-o|--cloud-storage-user storageusername]
    [-u|--cloud-storage-password storagePassword]
    [-d|--cloud-storage-container-auto-generate true-or-false]
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-a|--backup-destination`	The service to which you want to add backup support. **Accepted values:** 'NONE', 'CLOUD', 'BOTH'
`-l|--cloud-storage-container`	The complete REST URL for Oracle Cloud Infrastructure Object Storage Classic, appended by the container name.
`-o|--cloud-storage-user`	The user name used to access the specified Oracle Cloud Infrastructure Object Storage Classic container.
`-u|--cloud-storage-password`	Password associated with the user name used to access the specified Oracle Cloud Infrastructure Object Storage Classic container.
`-d|--cloud-storage-container-auto-generate`	(Optional) Indicates whether a new container is required (`TRUE`) or if you want to use an existing one (`FALSE`). **Accepted values:** TRUE, FALSE
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example adds a backup service to the `cluster1` cluster:

```
$ psm dhcs add-backup-service -s cluster1  -a BOTH -l http://
example.storage.oraclecloud.com/Storage-example/cass-container -o
StorageAdmin -u password -d false -of json
{
    "operationName":"backup-config-update",
    "target_uri":"http://example.com:7777/paas/api/v1.1/instancemgmt/
beta/services/DHCS/instances/cluster1/backupconfig",
    "job_id":"7123284"
}
Job ID : 7123284
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

psm dhcs add-ssh-public-key

Adds a new public SSH key to the Oracle Data Hub Cloud Service cluster. This overwrites the existing SSH key with the new one.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs add-ssh-public-key -s|--service-name cluster-name
    -c|--credential-name vmspublickey
    -k|--public-key "ssh-rsa ......."
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|--credential-name vmspublickey`	A string which identifies the new SSH key. Currently, the only value you can use is `vmspublickey`.
`-k|--public-key` *`"ssh-rsa ....."`*	Sets the new key. Add the contents of the public key file.

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example updates the SSH key of the `cluster1` cluster:

```
$ psm dhcs add-ssh-public-key -s cluster1 --credential-name vmspublickey --
public-key "ssh-rsa AAAAB3..."
{
    "status":"submitted job"
}
Job ID : 7125981
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

psm dhcs add-storage

Extend storage volumes of an Oracle Data Hub Cloud Service cluster.

Syntax

```
psm dhcs add-storage -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.

Parameter	Description
`-c|—config-payload`	Specifies the path to a JSON file containing the information necessary to add storage. The format of this file is the same as the request body you provide when adding storage by using the REST API. For information about this format, see the "Body Parameter" section of Add Storage to an Existing or New Volume in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example increases the data storage volume to 200 GB, the commit log storage volume to 60 GB, and the backup storage volume to 200 GB in all the nodes associated with the `cluster1` cluster.

```
$ psm dhcs add-storage -s cluster1 -c add-storage-payload.json
{
    "details":{
        "message":"Submitted job to add storage for service [cluster1]
in domain [beta].",
        "jobId":"7126179"
    }
}
Job ID : 7126179
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

The payload for this command is similar to the following:

```
{
    "allServiceHosts":true,
    "components":{
        "CASSANDRA":{
            "dataStorage":"200",
            "commitLogStorage":"60",
```

```
            "backupStorage":"200"
        }
    }
}
```

psm dhcs applied-patches

List all patches that have been applied to an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs applied-patches -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches applied to the `cluster1` cluster.

```
$ psm dhcs applied-patches --service-name cluster1
```

psm dhcs available-patches

List all patches available to be applied to an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs available-patches -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches available for the `cluster1` cluster.

```
$ psm dhcs available-patches --service-name cluster1
```

psm dhcs backup

Performs an on-demand backup of an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs backup -s|--service-name cluster-name
    [-a|--backup-type FULL]
    [-k|--keep-forever Y|N]
    [-o|--notes "notes"]
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-a|--backup-type FULL`	Specifies the type of backup. Only `FULL` is supported at this time.
`–k|--keep-forever`	Specifies if the backup should be kept past the defined backup expiry date.
`–o|--notes`	Enables the addition of explanatory notes. Notes must be enclosed in quotation marks.

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example performs a backup of the `cluster1` cluster.

```
$ psm dhcs backup --service-name cluster1 --backup-type FULL --notes "full
backup before migration"
{
    "operationName":"start-backup",
    "target_uri":"http://example.com:7777/paas/api/v1.1/instancemgmt/beta/
services/DHCS/instances/cluster1/backups/90ef1906-c4f5-4a5c-8b86-
af6dd4c3799e",
    "job_id":"7125999"
}
Job ID : 7125999
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

psm dhcs check-health

Display health monitoring information about a Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs check-health -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays health information about the `cluster1` cluster using the `short` output format.

```
$ psm dhcs check-health --service-name cluster1 -of short
 Status:        UP
 Message:       Running
 Checked At:    2017-10-26T06:08:34.233+00:00
```

psm dhcs create-access-rule

Create an access rule for an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs create-access-rule -s|--service-name cluster-name
    -c|--config-payload json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|--config-payload` *`json-file`*	Specifies the path to a JSON file containing the information necessary to create an access rule. The format of this file is the same as the request body you provide when creating an access rule by using the REST API. For information about this format, see the "Body Parameter" section of Create an Access Rule in *REST API for Oracle Data Hub Cloud Service*.

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example creates the access rule specified by information provided in the `createaccessrule.json` file for the `cluster1` cluster.

```
$ psm dhcs create-access-rule --service-name cluster1 --config-payload
createaccessrule.json
Job ID : 7123359
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

Listing of `createaccessrule.json`

```
{
    "ruleName":"demo-Rule",
    "description":"This is a test rule.",
    "ports":"8008",
    "status":"disabled",
    "source":"192.0.2.1/32",
    "destination":"CASSANDRA_MAIN_SERVER"
}
```

psm dhcs create-service

Create an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs create-service -c|--config-payload path-to-json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to create a cluster. The format of this file is the same as the request body you provide when creating a service instance by using the REST API. For information about this format, see the "Body Parameter" section of Create a Service Instance in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example creates an Oracle Data Hub Cloud Service cluster as specified by information provided in the `create_cluster1.json` file.

```
$ psm dhcs create-service --config-payload create_cluster1.json
{
    "details":{
        "message":"Submitted job to create service [cluster1] in
domain [beta].",
        "jobId":"7123184"
    }
}
Job ID : 7123184
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

Listing of `create_cluster1.json`

Note that the value of `vmPublicKeyText` has been truncated in the following listing.

```
{
    "vmPublicKeyText":"ssh-rsa AAAAB3...",
    "backupDestination":"BOTH",
    "cloudStorageContainer":"http://example.storage.oraclecloud.com/Storage-
example/DHCS",
    "cloudStorageUser":"StorageAdmin",
    "cloudStoragePassword":"password",
    "cloudStorageContainerAutoGenerate":false,
    "useHighPerformanceStorage":false,
    "serviceName":"cluster1",
    "serviceDescription":"Demo cluster",
    "serviceLevel":"PAAS",
    "meteringFrequency":"HOURLY" ,
    "serviceVersion":"3.11.1",
    "edition":"EE",
    "vmUser":"opc",
    "enableNotification":false,
    "isBYOL":false,
    "components":{
        "CASSANDRA":{
            "shape":"oc1m",
            "serverCount":"2",
            "dataStorage":"50",
            "adminUserName":"admin",
            "adminUserPassword":"password"
        }
    }
}
```

psm dhcs delete-access-rule

Delete an access rule from an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs delete-access-rule -s|--service-name cluster-name
    -r|--rule-name rule-name
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to delete.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example deletes the access rule `demo-Rule` from the `cluster1` cluster.

```
$ psm dhcs delete-access-rule --service-name cluster1 --rule-name demo-Rule
{
    "rule":{
        "ruleName":"demo-Rule",
        "description":"This is a test rule.",
        "status":"disabled",
        "source":"192.0.2.1/32",
        "destination":"CASSANDRA_MAIN_SERVER",
        "ports":"8008",
        "protocol":"tcp",
        "ruleType":"USER"
    }
}
Job ID : 7126015
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

psm dhcs delete-backup

Deletes a specific backup of an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs delete-backup -s|--service-name cluster-name
    -b|--backup-id backupID
    [-f|--force true-or-false]
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-b|--backup-id`	Specifies the alphanumeric identifier of the backup you want to delete. Retrieve this value using the `view-backup` command.
`-f|--force`	(Optional) Set to `true` to force the operation, even if blocking errors are generated.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example deletes a backup of the `cluster1` cluster with the `backupID` of `b5abfd3a-1234-76e3-8r34-3c3def6af91b`.

```
$ psm dhcs delete-backup --service-name cluster1 --backup-id 90ef1906-
c4f5-4a5c-8b86-af6dd4c3799e
{
    "operationName":"delete-backup",
    "target_uri":"http://example.com:7777/paas/api/v1.1/instancemgmt/beta/
services/DHCS/instances/cluster1/deletedbackups/7126046",
    "job_id":"7126046"
```

```
}
Job ID : 7126046
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

psm dhcs delete-service

Delete an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs delete-service -s|--service-name cluster-name
    [-f|--force true-or-false]
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-f|--force`	(Optional) Set to `true` to force the operation, even if blocking errors are generated.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example deletes the `cluster1` cluster.

```
$ psm dhcs delete-service --service-name cluster1
{
```

```
    "details":{
        "message":"Submitted job to delete service [cluster1] in domain
[beta].",
        "jobId":"7124032"
    }
}
Job ID : 7124032
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

psm dhcs disable-access-rule

Disable an access rule of an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs disable-access-rule -s|--service-name cluster-name
    -r|--rule-name rule-name
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to disable.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example disables the access rule `ora_p2cass_ssh` of the `cluster1` cluster.

```
$ psm dhcs disable-access-rule --service-name cluster1 --rule-name
ora_p2cass_ssh
{
    "ruleName":"ora_p2cass_ssh",
    "description":"VM SSH port",
    "status":"disabled",
    "source":"PUBLIC-INTERNET",
    "destination":"CASSANDRA_MAIN_SERVER",
    "ports":"22",
    "protocol":"tcp",
    "ruleType":"DEFAULT"
}
```

psm dhcs enable-access-rule

Enable an access rule of an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs enable-access-rule -s|--service-name cluster-name
    -r|--rule-name rule-name
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-r|--rule-name` *`rule-name`*	Specifies the name of the access rule to enable.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Parameter	Description
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example enables the access rule `ora_p2cass_ssh` of the `cluster1` cluster.

```
$ psm dhcs enable-access-rule --service-name cluster1 --rule-name
ora_p2cass_ssh
{
    "ruleName":"ora_p2cass_ssh",
    "description":"VM SSH port",
    "status":"enabled",
    "source":"PUBLIC-INTERNET",
    "destination":"CASSANDRA_MAIN_SERVER",
    "ports":"22",
    "protocol":"tcp",
    "ruleType":"DEFAULT"
}
```

psm dhcs operation-status

View the status of an operation on an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs operation-status -j|--job-id job-id
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-j|--job-id` *`job-id`*	Specifies the ID number of the job about which you want information.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example shows the current status of job `7126046`, which is a failed delete backup operation for the `cluster1` cluster.

```
$ psm dhcs operation-status --job-id 7126046
{
    "activityLogId":4690397,
    "serviceName":"cluster1",
    "serviceType":"dhcs",
    "identityDomain":"beta",
    "serviceId":117426,
    "jobId":7126046,
    "startDate":"2017-10-26T06:42:05.869+0000",
    "status":"RUNNING",
    "operationId":117426,
    "operationType":"DELETE_BACKUP",
    "summaryMessage":"DELETE_BACKUP",
    "authDomain":"beta",
    "authUser":"abc.xyz@example.com",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2017-10-26T06:42:05.869+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2017-10-26T06:42:05.908+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2017-10-26T06:42:12.084+0000",
            "message":"delete backup operation failed -
'backupIdList'\nMore Details:\n\n'backupIdList'"
        }
    ]
}
```

psm dhcs patch

Apply a patch to an Oracle Data Hub Cloud Service cluster. Applying a patch always performs a backup before the patch is applied.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs patch -s|--service-name cluster-name
    -p|--patch-id patch-id
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-p|--patch–id` *`patch-id`*	Specifies the patch ID of the patch to apply. To retrieve a list of patch IDs available to apply to a cluster, see psm dhcs available-patches.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example applies patch `1.7.0.1-EE` to the `cluster1` cluster.

```
$ psm dhcs patch --service-name cluster1 --patch-id 1.7.0.1-EE
```

psm dhcs precheck-patch

Perform a precheck on an Oracle Data Hub Cloud Service cluster to identify potential issues that might prevent a specified patch from being applied successfully.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs precheck-patch -s|--service-name cluster-name
    -p|--patch-id patch-id
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.

Parameter	Description
`-p|--patch-id` *`patch-id`*	Specifies the patch ID of the patch to precheck. To retrieve a list of patch IDs available to apply to a cluster, see psm dhcs available-patches.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example shows a precheck of patch `1.7.0.1-EE` on the `cluster1` cluster.

```
$ psm dhcs precheck-patch --service-name cluster1 --patch-id 1.7.0.1-EE
```

psm dhcs restart

Restart an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs restart -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|-config-payload`	Specifies the path to a JSON file containing the information necessary to restart a cluster. The format of this file is the same as the request body you provide when restarting a service instance by using the REST API. For information about this format, see the "Body Parameter" section of Restart a Service Instance in *REST API for Oracle Data Hub Cloud Service*.

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example restarts the `cluster1` cluster.

```
$ psm dhcs restart -s cluster1 -c restart-service-payload.json
{
    "details":{
        "message":"Submitted job to [restart] VMs in service [cluster1] in
domain [beta].",
        "jobId":"7123869"
    }
}
Job ID : 7123869
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

The payload for this command can be one of the following:

```
{
    "components":{
        "CASSANDRA":{
            "hosts":"[cluster1-cass-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":true
}
```

psm dhcs restore

Restores an Oracle Data Hub Cloud Service cluster from a specific backup.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs restore -s|--service-name cluster-name
    [-b|--backup-id backup-id]
    [-e|--restore-type restore-type]
    [-t|--restore-id restore-id]
    [-o|--notes string]
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`–b|--backup-id`	(Optional) Specifies the unique identifier of the backup to restore.
`-e|--restore-type`	(Optional) The type of recovery you want to perform.
`-t|--restore-id`	(Optional) The identifier to apply to the restoration.
`–o|--notes` *`string`*	(Optional) Enables the addition of explanatory notes. Notes must be enclosed in quotation marks.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example restores the backup with id `90ef1906-c4f5-4a5c-8b86-af6dd4c3799e` to the `cluster1` cluster.

```
$ psm dhcs restore --service-name cluster1 --backup-id 90ef1906-
c4f5-4a5c-8b86-af6dd4c3799e
{
    "operationName":"restore-backup",
    "job_id":"7123525",
    "target_uri":"http://example.com:7777/paas/api/v1.1/instancemgmt/beta/
services/DHCS/instances/cluster1/restoredbackups/7123525"
}
Job ID : 7123525
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

psm dhcs rollback

Rolls back a patch that was applied to an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs rollback -s|--service-name cluster-name
    -r|--rollback-id patch-id
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-r|--rollback-id` *`patch-id`*	Specifies the patch ID of the patch to roll back. To retrieve a list of patches applied to a cluster, see psm dhcs applied-patches.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Parameter	Description
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example rolls back patch `1.7.0.1-EE` from the `cluster1` cluster.

```
$ psm dhcs rollback --service-name cluster1 --rollback-id 1.7.0.1-EE
```

psm dhcs scale

Scale the shape (OCPUs and memory) of an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs scale -s|--service-name cluster-name
    -c|--config-payload path-to-json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to scale up or scale down a cluster. The format of this file is the same as the request body you provide when scaling a service instance by using the REST API. For information about this format, see the "Body Parameter" section of Scale Up or Scale Down a Service Instance in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Parameter	Description
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example scales the `cluster1` cluster to the `oc4` shape.

```
$ psm dhcs scale -s cluster1 -c scale-to-oc4.json
{
    "details":{
        "message":"Submitted job to scaling job in service [cluster1] in
domain [beta].",
        "jobId":"7126130"
    }
}
Job ID : 7126130
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

where the JSON file contains the following:

```
{
    "components":{
        "CASSANDRA":{
            "shape":"oc4",
            "hosts":"[cluster1-cass-1]"
        }
    }
}
```

psm dhcs scale-in

Scale-in the Oracle Data Hub Cloud Service cluster by removing a node.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs scale-in -s|--service-name cluster-name
    -c|--config-payload path-to-json-file
```

```
[-of|--output-format short|json|html]
[-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to scale in a cluster. The format of this file is the same as the request body you provide when scaling in a service instance by using the REST API. For information about this format, see the "Body Parameter" section of Scale In a Service Instance in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example removes the node `cluster1-cass-2` and scales-in the `cluster1` cluster.

```
$ psm dhcs scale-in -s cluster1 -c remove-dhcs-2.json
{
    "details":{
        "message":"Submitted job to scale in service [cluster1] in
domain [beta].",
        "jobId":"7126059"
    }
}
Job ID : 7126059
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

The payload file contains the following:

```
{
    "components":{
        "CASSANDRA":{
            "hosts":["cluster1-cass-2"]
        }
    }
}
```

psm dhcs scale-out

Scale-out the Oracle Data Hub Cloud Service cluster by adding new nodes.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs scale-out -s|--service-name cluster-name
    -c|--config-payload path-to-json-file
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to scale out a cluster. The format of this file is the same as the request body you provide when scaling out a service instance by using the REST API. For information about this format, see the "Body Parameter" section of Scale Out a Service Instance in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example scales-out the `cluster1` cluster by adding 1 node.

```
$ psm dhcs scale-out -s cluster1 -c scale-out.json
{
    "details":{
        "message":"Submitted job to scale out service [cluster1] in
domain [beta].",
        "jobId":"7123987"
    }
}
Job ID : 7123987
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

The payload file contains the following:

```
{
    "operationType":"SCALE_OUT",
    "components":{
        "CASSANDRA":{
            "serverCount":"1"
        }
    }
}
```

psm dhcs service

Display information about a single Oracle Data Hub Cloud Service cluster in the identity domain.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs service -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays information about the `cluster1` cluster.

```
$ psm dhcs service --service-name cluster1 -of short
 Service:                    cluster1
 Status:                     Ready
 Version:                    3.11.0
 Edition:                    Compute Edition
 Compute Site:               N/A
 Cloud Storage Container:    http://example.storage.oraclecloud.com/Storage-
example/cass-container
 Created On:                 2017-10-26T05:15:25.251+0000
```

psm dhcs services

Display information about all Oracle Data Hub Cloud Service clusters in the identity domain.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs services
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays basic information about the Oracle Data Hub Cloud Service clusters in the `beta` identity domain. The response shows two running clusters, `cluster1` and `dhcs-demo`.

```
$ psm dhcs services -of short
 Service                  Status
 cluster1                 Ready
 dhcs-demo                Creating service ...
```

psm dhcs start

Start a stopped Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs start -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|–config-payload`	Specifies the path to a JSON file containing the information necessary to start a cluster. The format of this file is the same as the request body you provide when starting a service instance by using the REST API. For information about this format, see the "Body Parameter" section of Start a Service Instance in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example starts the `cluster1` cluster.

```
$ psm dhcs start -s cluster1 -c start-service-payload.json
{
    "details":{
        "message":"Submitted job to [start] VMs in service [cluster1] in
domain [beta].",
        "jobId":"7126089"
    }
}
Job ID : 7126089
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

The payload for this command can be one of the following:

```
{
    "components":{
        "CASSANDRA":{
            "hosts":"[cluster1-cass-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":true
}
```

psm dhcs stop

Stop an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs stop -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|–config-payload`	Specifies the path to a JSON file containing the information necessary to stop a cluster. The format of this file is the same as the request body you provide when stopping a service instance by using the REST API. For information about this format, see the "Body Parameter" section of Stop a Service Instance in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example stops the `cluster1` cluster.

```
$ psm dhcs stop -s cluster1 -c stop-service-payload.json
{
    "details":{
        "message":"Submitted job to [stop] VMs in service [cluster1]
in domain [beta].",
        "jobId":"7123663"
    }
}
Job ID : 7123663
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

The payload for this command can be one of the following:

```
{
    "components":{
        "CASSANDRA":{
```

```
            "hosts":"[cluster1-cass-1, cluster1-cass-2]"
        }
    }
}
```

or

```
{
    "allServiceHosts":true,
}
```

psm dhcs update-backup-config

Updates the backup configuration of the Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs update-backup-config -s|--service-name cluster-name
    -c|--config-payload path-to-json-payload
    [-of|--output-format short|json|html]
    [-wc|--wait-until-complete true|false]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-c|--config-payload`	Specifies the path to a JSON file containing the information necessary to update the backup configuration. The format of this file is the same as the request body you provide when updating the backup configuration by using the REST API. For information about this format, see the "Body Parameter" section of Update the Backup Configuration in *REST API for Oracle Data Hub Cloud Service*.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Examples

The following example updates the backup configuration of the `cluster1` cluster to full backup every Sunday at 12:11, and the incremental backup to 11:11 every day except Sunday, with a default retention of 32 days:

```
$ psm dhcs update-backup-config -s cluster1 -c update-backup-
payload.json
{
    "operationName":"backup-config-update",
    "target_uri":"http://example.com:7777/paas/api/v1.1/instancemgmt/
beta/services/DHCS/instances/cluster1/backupconfig",
    "job_id":"7123723"
}
Job ID : 7123723
```

> **Note:**
>
> You can track the progress of this command by using the psm dhcs operation-status command.

where the payload for this command is:

```
{
    "defaultRetention":"32",
    "fullBackupSchedule":{
        "dayOfWeek":"Sun",
        "hour":"12",
        "minute":"11"
    },
    "incrementalBackupSchedule":{
        "hour":"11",
        "minute":"11"
    },
    "backups":"ENABLE"
}
```

psm dhcs view-backup

List a specific backup for an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs view-backup -s|--service-name cluster-name
    -b|--backup-id backup-id
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`–b|-backup-id` *`backup-id`*	Specifies the unique id of the backup you want to display.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists the details of specified backup of the `cluster1` cluster.

```
$ psm dhcs view-backup --service-name cluster1 --backup-id 90ef1906-
c4f5-4a5c-8b86-af6dd4c3799e
{
    "backupId":"90ef1906-c4f5-4a5c-8b86-af6dd4c3799e",
    "jobId":"7125999",
    "backupStartDate":"2017-10-26T06:06:51.664+0000",
    "backupCompleteDate":"2017-10-26T06:08:00.403+0000",
    "expirationDate":"2017-11-25T06:06:51.664+0000",
    "initiatedBy":"abc.xyz@example.com",
    "full":true,
    "local":false,
    "localCopy":true,
    "databaseIncluded":false,
    "size":"0.3MB",
    "sizeInBytes":362162,
    "status":"Completed",
    "storageContainer":"http://example.storage.oraclecloud.com/Storage-
example/cass-container",
    "href":"http://example.com:7777/paas/api/v1.1/instancemgmt/beta/services/
DHCS/instances/cluster1/backups/90ef1906-c4f5-4a5c-8b86-af6dd4c3799e",
    "jobHistory":[
        {
            "operation":"backup",
            "jobId":"7125999",
            "status":"Completed",
            "startDate":"2017-10-26T06:06:51.664+0000",
            "completeDate":"2017-10-26T06:08:00.403+0000",
            "statusDetails":"successful"
        }
    ],
    "notes":"full backup before migration"
}
```

psm dhcs view-backup-config

List the backup configuration parameters of an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs view-backup-config -s|--service-name cluster-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists the backup configuration of the `cluster1` cluster.

```
$ psm dhcs view-backup-config --service-name cluster1
{
    "state":"ENABLED",
    "defaultRetention":"30 days",
    "fullBackupSchedule":{
        "second":"0",
        "minute":"45",
        "hour":"17",
        "dayOfMonth":"*",
        "month":"*",
        "dayOfWeek":"Thu",
        "year":"*"
    },
    "incrementalBackupSchedule":{
        "second":"0",
        "minute":"45",
        "hour":"17",
        "dayOfMonth":"*",
        "month":"*",
        "dayOfWeek":"Sun,Mon,Tue,Wed,Fri,Sat",
        "year":"*"
    },
```

```
    "scheduledBackups":"ALL",
    "extendedRestoreTypes":"NONE",
    "lastBackupDate":"2017-10-26T06:06:51.664+0000",
    "restoreByBackupId":true,
    "deleteByBackupId":true,
    "nextFullBackupDate":"2017-10-26T17:45:00.000+0000",
    "nextIncrementalBackupDate":"2017-10-27T17:45:00.000+0000",
    "backupDestination":"BOTH",
    "cloudStorageContainer":"http://example.storage.oraclecloud.com/Storage-
example/cass-container",
    "cloudStorageUser":"StorageAdmin",
    "totalCloudStorageContainerUsed":"353.7KB",
    "totalCloudStorageContainerUsedInBytes":362162,
    "totalBackupVolumeUsed":"353.7KB",
    "totalBackupVolumeUsedInBytes":362162,
    "percentBackupVolumeUsed":0.00022485975932795554
}
```

psm dhcs view-backups

List all backups associated with an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs view-backups -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists all backups performed on the `cluster1` cluster.

```
$ psm dhcs view-backups --service-name cluster1
{
    "backups":[
        {
            "backupId":"90ef1906-c4f5-4a5c-8b86-af6dd4c3799e",
```

```
            "jobId":"7125999",
            "backupStartDate":"2017-10-26T06:06:51.664+0000",
            "backupCompleteDate":"2017-10-26T06:08:00.403+0000",
            "expirationDate":"2017-11-25T06:06:51.664+0000",
            "initiatedBy":"abc.xyz@example.com",
            "full":true,
            "local":false,
            "localCopy":true,
            "databaseIncluded":false,
            "size":"0.3MB",
            "sizeInBytes":362162,
            "status":"Completed",
            "storageContainer":"http://example.storage.oraclecloud.com/
Storage-example/cass-container",
            "href":"http://example.com:7777/paas/api/v1.1/instancemgmt/
beta/services/DHCS/instances/cluster1/backups/90ef1906-c4f5-4a5c-8b86-
af6dd4c3799e",
            "notes":"full backup before migration"
        }
    ]
}
```


psm dhcs view-restore

List the details of a specific restore operation for an Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs view-restore -s|--service-name cluster-name
    -j|--job-id id-of-the-restore-operation
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-j|--job-id` *`id-of-the-restore-operation`*	Returns the details of the specified restore job.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists a specific restore applied to the `cluster1` cluster.

```
$ psm dhcs view-restore --service-name cluster1 --job-id 7123525
{
    "backupId":"90ef1906-c4f5-4a5c-8b86-af6dd4c3799e",
    "backupDate":"2017-10-26T06:06:51.664+0000",
    "jobId":"7123525",
    "recoveryStartDate":"2017-10-26T06:24:52.126+0000",
    "recoveryCompleteDate":"2017-10-26T06:31:11.861+0000",
    "status":"Completed",
    "statusDetails":"Submitted the restoration precheck for remote
execution...restore precheck operation completed successfully...Submitted
the restoration for remote execution...successful...Completed the
restoration"
}
```

psm dhcs view-restores

List all successful restores on the Oracle Data Hub Cloud Service cluster.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm dhcs view-restores -s|--service-name cluster-name
    [-of|--output-format short|json|html]
```

Parameters

Parameter	Description
`-s|--service-name` *`cluster-name`*	Specifies the name of the Oracle Data Hub Cloud Service cluster.
`-of|--output-format` *`short|json|html`*	(Optional) Specifies the output format of the command's response: • `short`— output is formatted as a brief summary. • `json`— output is formatted as a JSON array. • `html`— output is formatted as HTML The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists all successful restores applied to the `cluster1` cluster.

```
$ psm dhcs view-restores --service-name cluster1
{
    "restoreHistory":[
        {
            "backupId":"90ef1906-c4f5-4a5c-8b86-af6dd4c3799e",
```

```
            "backupDate":"2017-10-26T06:06:51.664+0000",
            "jobId":"7123525",
            "recoveryStartDate":"2017-10-26T06:24:52.126+0000",
            "recoveryCompleteDate":"2017-10-26T06:31:11.861+0000",
            "status":"Completed",
            "statusDetails":"Submitted the restoration precheck for
remote execution...restore precheck operation completed
successfully...Submitted the restoration for remote
execution...successful...Completed the restoration"
        }
    ]
}
```

12
psm jcs Commands

This chapter describes the PSM CLI commands you can use with Oracle Java Cloud Service.

A Tutorial is also available.

Category	Command
Service Instance	psm jcs activities – lists the activities (operations) performed on a service instance. psm jcs check-health – view health monitoring data for a service instance. psm jcs create-service – creates a service instance. psm jcs delete-service – deletes a service instance. psm jcs recreate-association – associates a service instance with a different database. psm jcs restart – restarts the Admin Server on which the service instance is running. psm jcs services – lists all active service instances within your identity domain. psm jcs service – lists details about a specified service. psm jcs stop – stops a running service instance. psm jcs start – starts a service instance. psm jcs update-db-credentials – updates the password used by a service instance to access its database schemas. psm jcs update-service– update a service instance's configuration.
Access Control	psm jcs access-rules – lists all access rules for a service instance. psm jcs add-ssh-public-key – adds a new SSH public key. psm jcs create-access-rule – creates an access rule. psm jcs delete-access-rule – deletes an access rule. psm jcs disable-access-rule – disables an enabled an access rule. psm jcs disable-loadbalancer – disables the load balancer for a service instance. psm jcs enable-access-rule – enables a disabled access rule. psm jcs enable-loadbalancer – enables the load balancer for a service instance. psm jcs loadbalancer – views the load balancer status for a service instance
Scaling	psm jcs add-storage – adds block storage to a node in a service instance. psm jcs scale – changes the compute shape of a node in a service instance. psm jcs scale-in – removes a node from a cluster in a service instance. psm jcs scale-out – adds a node to a cluster in a service instance.

Category	Command
Backup	psm jcs add-backup-service – add a backup Service to an existing service instance. psm jcs backup – initiates the backup of the specified service instance. psm jcs delete-backup – deletes a backup of a service instance. psm jcs update-backup-config – updates the backup configuration of the specified service instance. psm jcs view-backup – displays the backup of a service instance. psm jcs view-backups – lists all backups of a service instance. psm jcs view-backup-config – lists the backup configuration of the specified service instance.
Restore	psm jcs restore – restores a service instance from a specified backup. psm jcs view-restore – lists a specified restore operation for a service instance. psm jcs view-restores – lists a specified restore operation for a service instance.
Snapshot	psm jcs clone-service – clones a new service from an existing snapshot. psm jcs create-snapshot – creates a snapshot of a service instance. psm jcs delete-snapshot – deletes a snapshot defined for a service instance. psm jcs snapshot – displays the details of a snapshot defined for a service instance. psm jcs snapshots – lists all the snapshots available for a service instance.
Patch	psm jcs applied-patches – lists all patches applies to service instance. psm jcs available-patches – lists all patches available for a service instance. psm jcs patch – applies a patch to a service instance. psm jcs precheck-patch – identifies potential issues that might prevent the specified patch from completing successfully. psm jcs rollback – rolls back a patch for a service instance.
Migration	psm jcs import– migrates an on-premises WebLogic Server domain to an existing service instance.
Job Status	psm jcs operation-status – shows the status of a service instance operation.

psm jcs access-rules

Use this command to list access rules for Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs access-rules -s|--service-name serviceName
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`–s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-of|--output-format html|json|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
psm jcs access-rules -s ExampleInstance -of json
```

Response:

```
{
    "accessRules":[
        {
            "description":"Permit public to https to OTD admin server",
            "destination":"OTD",
            "ports":"8989",
            "ruleName":"ora_p2otd_ahttps",
            "ruleType":"DEFAULT",
            "source":"PUBLIC-INTERNET",
            "status":"enabled"
        },
        {
            "description":"Permit public to https to OTD server",
            "destination":"OTD",
            "ports":"443",
            "ruleName":"ora_p2otd_chttps",
            "ruleType":"DEFAULT",
            "source":"PUBLIC-INTERNET",
            "status":"enabled"
        },
        {
            "description":"Permit public to ssh to OTD server",
            "destination":"OTD",
            "ports":"22",
            "ruleName":"ora_p2otd_ssh",
            "ruleType":"DEFAULT",
            "source":"PUBLIC-INTERNET",
            "status":"enabled"
        },
        {
            "description":"DO NOT MODIFY: Permit http connection to managed
servers from OTD",
            "destination":"WLS_MANAGED_SERVER",
            "ports":"8001",
```

```
            "ruleName":"sys_otd2ms_chttp",
            "ruleType":"SYSTEM",
            "source":"OTD",
            "status":"enabled"
        },
        {
            "description":"DO NOT MODIFY: Permit https connection to
managed servers from OTD",
            "destination":"WLS_MANAGED_SERVER",
            "ports":"8002",
            "ruleName":"sys_otd2ms_chttps",
            "ruleType":"SYSTEM",
            "source":"OTD",
            "status":"enabled"
        },
        {
            "description":"DO NOT MODIFY: Permit admin server to ssh
to otd",
            "destination":"OTD",
            "ports":"22",
            "ruleName":"sys_admin2otd_ssh",
            "ruleType":"SYSTEM",
            "source":"WLS_ADMIN_SERVER",
            "status":"enabled"
        },
        {
            "description":"DO NOT MODIFY: Permit listener connection
to database from managed servers",
            "destination":"DBaaS:MyDBCS01:DB",
            "ports":"1521",
            "ruleName":"sys_ms2db_dblistener",
            "ruleType":"SYSTEM",
            "source":"WLS_MANAGED_SERVER",
            "status":"enabled"
        },
        {
            "description":"DO NOT MODIFY: Permit managed servers to
ssh to db",
            "destination":"DBaaS:MyDBCS01:DB",
            "ports":"22",
            "ruleName":"sys_ms2db_ssh",
            "ruleType":"SYSTEM",
            "source":"WLS_MANAGED_SERVER",
            "status":"enabled"
        },
        {
            "description":"Permit public to ssh to admin server",
            "destination":"WLS_ADMIN_SERVER",
            "ports":"22",
            "ruleName":"ora_p2admin_ssh",
            "ruleType":"DEFAULT",
            "source":"PUBLIC-INTERNET",
            "status":"enabled"
        },
        {
```

```
            "description":"Permit public to https to admin server",
            "destination":"WLS_ADMIN_SERVER",
            "ports":"7002",
            "ruleName":"ora_p2admin_ahttps",
            "ruleType":"DEFAULT",
            "source":"PUBLIC-INTERNET",
            "status":"enabled"
        }
    ],
    "activities":[]
}
```

psm jcs activities

Use this command to list the activities (operations) performed on an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs activities
  -s|--service-name instance-name
    [-f|--from-start-date from-timestamp]
    [-t|--to-start-date to-timestamp ]
    [-a|--status status-list ]
    [-o|--operation-type operation-list ]
    [-l|--limit-row-count row-count ]
    [-e|--offset row-number ]
    [-d|--order-by order-list ]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Oracle Java Cloud Service instance.
`-f|--from-start-date` *`from-timestamp`*	(Optional) Includes activities after this timestamp. Use with `--toStartDate` to specify a range. Supported timestamp formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-t|--to-start-date` *`to-timestamp`*	(Optional) Includes activities before this timestamp. Use with `--fromStartDate` to specify a range. Supported timestamp formats are `yyyy-MM-dd'T'HH:mm:ss.SSSZ`, `yyyy-MM-dd HH:mm:ss`, and `yyyy-MM-dd`.
`-a|--status` *`status-list`*	(Optional) A space-separated list of activity statuses: `NEW`, `RUNNING`, `SUCCEED`, `FAILED`, or `WARN`.

Parameter	Description
`-o|--operation-type` *`operation-list`*	(Optional) A space-separated list of operation types.
`-l|--limit-row-count` *`row-count`*	(Optional) Maximum number of activities to display. Default is `10`.
`-e|--offset` *`row-number`*	(Optional) Starts the list of activities at this row. Use with `--limitRowCount` to get a specific subset of activities. For example, if `--limitRowCount` is `10`, use an `--offset` of `11` to get the second set of 10 activities.
`-d|--order-by` *`order-list`*	(Optional) A space-separated list of ordering (sorting) specifications, each having the format *`field-name`*`:asc|desc`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm jcs activities --serviceName jcs123-eeep
```

psm jcs add-backup-service

Use this command to add a backup Service to an existing Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs add-backup-service -s|--service-name servicename
    -k|--backup-destination backupDestination
    -d|--cloud-storage-container storageContainerName
      [-o|--cloud-storage-password storagePassword]
      [-l|--cloud-storage-pwd storagePassword]
      [-u|--calculated-backup-encryption-password Password]
      [-a|--backup-encryption-password]
      [-t|--cloud-storage-user storageusername]
      [-g|--cloud-storage-container-auto-generate true|false]
      [-of|--output-format short|json|html]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-k|--backup-destination` *`backupDestination`*	The service to which you want to add backup support. **Accepted values:** 'NONE', 'BOTH'
`-d|--cloud-storage-container` *`storageContainerName`*	The name of the Oracle Storage Cloud Service container.
`-t|--cloud-storage-user` *`storageusername`*	(Optional) The user name used to access the specified Oracle Storage Cloud Service container.
`-l|--cloud-storage-pwd` *`storagePassword`*	(Optional) Password associated with the user name used to access the specified Oracle Storage Cloud Service container.
`-o|--cloud-storage-password` *`storagePassword`*	(Optional) Password associated with the user name used to access the specified Oracle Storage Cloud Service container.
`-a|--backup-encryption-password` *`Password`*	(Optional) The password used to decipher the backup encryption.
`-u|--calculated-backup-encryption-password` *`Password`*	(Optional) The calculated backup encryption password.
`-g|--cloud-storage-container-auto-generate` *`value`*	(Optional) Indicates whether a new container is required (`TRUE`) or if you want to use an existing one (`FALSE`). **Accepted values:** TRUE, FALSE
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	Default: `false`

Examples

```
$ psm jcs add-backup-service -s ExampleInstance -k backupDestination -d
cloudStorageContainer -t cloudStorageUser
```

psm jcs add-ssh-public-key

Use this command to add a new SSH public key.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs add-ssh-public-key -s|--service-name serviceName
  -c|--credential-name credentialName
  -k|--public-key publicKeyName
    [-of|--output-format html|json|short]
    [wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--credential-name` *`credentialName`*	Credential name to add the SSH public key to. Valid values include ['vmspublickey'].
`-k|--public-key` *`publicKeyValue`*	The value of the SSH public key.
`-of|--output-format html|json|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs add-ssh-public-key -s ExampleInstance -k
\"SSH_PUBLIC_KEY_TEXT\"
```

psm jcs add-storage

Use this command to add block storage to a node without changing the instance compute shape. Be aware that, if you add additional block storage, you cannot remove it later.
If you plan to add storage to a node, be aware of the following:

- You can scale a node only if a version of Oracle Java Cloud Service that supports scaling a node was used to create your service instance.
- You *cannot* add storage to a node running on Oracle Java Cloud Service - Virtual Image instances.

Storage Limits

Product Version	Storage Limits
Oracle Cloud Infrastructure Classic	You can perform up to 6 add-storage operations. Each time, you can add from 1 to 2000 GB.
Oracle Cloud Infrastructure	You can run up to 17 add-storage operations. In each operation, you can add capacity in 50-GB multiples up to a maximum of 2000 GB.

> **Note:**
>
> Every time you add storage to a volume, that counts as an "operation" for the purpose of these limits.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs add-storage -s|--service-name serviceName
    -c|—config-payload pathToJson
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--serviceName` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|—config-payload` *`pathToJson`*	Specifies the path to the JSON file containing the information necessary to add storage to a Java Cloud Service instance. The format of this file, as shown in Sample Payloads, is the same as the request body you provide when adding storage to a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (addstorage-postrequestm)** section of Add Storage to an Existing or New Volume in the *REST API for Oracle Java Cloud Service*.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	Default: `false`

Sample Payloads

> **Note:**
>
> You can find parameter descriptions for the following sample payloads in the **Request/Body (addstorage-postrequestm)** section of Add Storage to an Existing or New Volume in the *REST API for Oracle Java Cloud Service*.

The following payloads are used to add block storage to an Oracle Java Cloud Service instance. The first example will add storage to the domains volume. This example adds 2 GB of storage.

```
{
   "components": {
      "WLS": {
         "domain": 2,
         "hosts":["exampleinstance-wls-1"]
        }
    }
}
```

This example will add a user defined partition, which is created in a new volume named `user_defined_partitions`. Subsequent user defined partitions are added to the `same user_defined_partitions` volume. This example adds 2 GB of storage.

```
{
   "components": {
      "WLS": {
         "user_defined_partitions": 2,
         "hosts":["exampleinstance-wls-1"]
    }
```

```
  }
}
```

Examples

```
$ psm jcs add-storage -s ExampleInstance  -c c://home/templates/my-new-
storage.json -of json
```

psm jcs applied-patches

Use this command to list all applied patches to an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs applied-patches -s|--service-name serviceName
    [-of|--output-filter json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs applied-patches -s ExampleInstance -f
patchCategory=general,patchType!=security -of json
[
    {
        "additionalNote":"Patch-cli-test",
        "appliedBy":"weblogic",
        "appliedDate":"Apr 28, 2016 5:39:41 PM",
        "backupId":"1461865468064",
        "backupStatus":"Available",
        "componentPatches":{
            "WLS":{

"expectedAppliedPatches":"opatch:22331568,19030178,19154304,19795066,18905788
,19632480,19002423",
                "id":77,
                "preserveFiles":[],
                "releaseVersion":"12.2.1.0.160219",
                "version":"12.2.1.0.160219",
```

```
                "zipBundles":{
                    "WLS":{
                        "id":77,
                        "md5sum":"7c9e6f3fe79e11b41ddadeee9431430e",
                        "provisioningObjectRef":"FMW/
12.2.1.0.160119/160106/fmiddleware.zip",
                        "storageKey":"PATCH/WLS/Patch_12.2.1.0.160119",
                        "zipVersion":"12.2.1.0.160219"
                    }
                }
            }
        },
.
.
.
        ],
        "releaseDate":"Jan 19, 2016 1:40:00 AM",
        "resultMessage":"Completed",
        "rollbackId":"1",
        "rollbackVersion":"WLS 12.2.1.0.160119",
        "toVersion":"12.2.1.0.160219",
        "totalTime":"15 min, 57 sec"
    }
]
```


.

psm jcs available-patches

List all available patches for an Oracle Java Cloud Service instance

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs available-patches -s|--service-name serviceName
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--serviceName` *`service-name`*	Name of the Oracle Java Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs available-patches -s ExampleInstance -of json
[
    {
        "availablePatchGuiMetadata":{
            "supportsPreCheck":true
        },
        "componentPatches":{
            "JDK":{
                "id":58,
                "preserveFiles":[],
                "releaseVersion":"1.8.0_85",
                "version":"1.8.0_85",
                "zipBundles":{
                    "JDK":{
                        "id":58,
                        "md5sum":"1c83952c16d11f65d9142d4bfa0e1cb9",
                        "provisioningObjectRef":"JDK/8.0.71/160106/jdk.zip",
                        "storageKey":"PATCH/JDK/jdk1.8.0_71",
                        "zipVersion":"1.8.0_85"
                    }
                }
            }
        },
        "displayName":"1.8.0_85",
        "entryDate":"Apr 1, 2016 8:01:41 AM",
        "entryUserId":"weblogic",
        "includesConfigUpgrade":false,
        "induceDownTime":false,
        "isAutoApply":false,
        "isCustomerVisible":false,
        "isDeleted":false,
        "patchCategory":"JDK",
        "patchComponents":[
            {
                "component":"JDK",
                "id":58,
                "md5sum":"1c83952c16d11f65d9142d4bfa0e1cb9",
                "patchingObjectRef":"PATCH/JDK/jdk1.8.0_71",
                "preserveFiles":[],
                "provisioningObjectRef":"JDK/8.0.71/160106/jdk.zip",
                "version":"1.8.0_85"
            }
        ],
        "patchDescription":"Update to latest version of JDK, 1.8.0_85. This
is a test only patch",
        "patchId":"Test_Patch_jdk1.8.0_85",
        "patchNumber":"1.8.0_85",
        "patchReleaseUrl":"http://www.oracle.com/technetwork/java/javase/
8u71-relnotes-2773756.html",
        "patchSeverity":"Normal",
        "patchType":"JDK",
        "releaseDate":"Jan 14, 2016 8:00:00 AM",
```

```
        "releaseVersion":"1.8.0_85",
        "requiresRestart":true,
        "serviceType":"JaaS",
        "serviceTypeVersions":"ANY",
        "serviceVersion":"12cRelease2"
    }
]
```

psm jcs backup

This command initiates an on-demand backup for an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs backup -s|--service-name serviceName
   [-d|--datbase-included true|false]
   [-k|--keep-forever]
   [-f|--full true|false]
   [-o|--notes free form note]
   [-of|--output-format json|html|short]
   [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameters	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`[-d|--database-included true|false]`	(Optional) Indicates whether or not the database be included in backup. **Note:** this feature not available for Exadata databases. **Accepted values:** `true, false`
`-k|--keep-forever`	(Optional) For full backups, omit this parameter to specify no expiration date. By default, backups are retained for the default retention period defined in the backup configuration.

Parameters	Description
`-a|--backup-type`	(Optional) Indicate the type of backup to be made. **Accepted values:** `full, incremental` **Note:** This parameter replaces the parameter `full` used in previous versions of the CLI. `full` was deprecated.
`-o|--notes` *`free form note`*	(Optional) Free-form text to provide additional information about the backup.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs backup -s Example1Instance -n On-demand-backup-request -of json
{
    "job_id":"34270",
    "operationName":"start-backup",
    "target_uri":"http://myserver.us.mycorp.com:7103/paas/service/jcs/api/
v1.1/instances/myteamabca/Example1Instance/backups/1461871652240"
}
Job ID : 34270
```

Note that this command returned a job ID. To see the status of your `create-service` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34270
```

When you see the message:

```
    "operationId":364,
    "operationType":"BACKUP",
```

```
    "serviceId":364,
    "serviceName":"Example1Instance",
    "serviceType":"jaas",
    "startDate":"2016-04-28T19:27:32.248+0000",
    "status":"SUCCEED",
    "summaryMessage":"BACKUP"
```

the service instance was successfully backup.

psm jcs check-health

Use this command to see health monitoring data for an Oracle Java Cloud Service instance. Health monitoring metrics are updated on an hourly basis. As a result, the metrics might be slightly out-of-date until the next hourly refresh.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs check-health -s|--service-name serviceName
     [-of|--output-format html|json|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-of|--output-format html|json|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs check-health -s ExampleInstance -of json
```

```
{
    "timestamp":"2018-03-29T06:04:22.847+00:00",
    "collectionTime":"2018-05-25T11:33:53.190+00:00",
    "serviceId":xxxxxx,
    "status":"UP",
    "domainName":"MyIdentityDomain",
    "components":{
        "OTD":{
            "serviceId":xxxxxx,
            "vmInstances":{
                "ExampleInstance-lb-1":{
```

```
                "timestamp":"2018-03-29T06:04:50.953+00:00",
                "collectionTime":"2018-05-25T11:33:48.872+00:00",
                "status":"UP",
                "servers":{
                    "ExampleInstance-lb-1":{
                        "timestamp":"2018-03-29T06:22:18.746+00:00",
                        "collectionTime":"2018-05-25T11:33:53.194+00:00",
                        "status":"UP",
                        "serverId":xxxxxx,
                        "serverName":"ExampleInstance",
                        "healthData":{
                            "upsince":{
                                "unit":"ms",
                                "value":"2018-05-09T13:53:41.000+00:00",
                                "displayName":"Server Up since"
                            }
                        },
                        "serverType":"OTD_SERVER",
                        "statusMessage":"Running"
                    }
                },
                "sub_status":"UP",
                "hostName":"ExampleInstance",
                "label":"ExampleInstance lb 1",
                "vmId":xxxxx,
                "healthData":{
                    "VMCpuUtil":{
                        "unit":"%",
                        "value":"1",
                        "displayName":"VM CPU Usage"
                    },
                    "VMmemory":{
                        "unit":"MB",
                        "value":"280",
                        "displayName":"VM Free Memory"
                    }
                },
                "statusMessage":"Running"
            }
        },
        "componentId":xxxxxx,
        "componentType":"OTD"
    },
    "WLS":{
        "timestamp":"2018-03-27T04:59:07.250+00:00",
        "collectionTime":"2018-05-25T11:33:53.192+00:00",
        "serviceId":xxxxxx,
        "status":"UP",
        "vmInstances":{
            "ExampleInstance-wls-1":{
                "timestamp":"2018-03-27T06:15:51.347+00:00",
                "collectionTime":"2018-05-25T11:33:48.873+00:00",
                "status":"UP",
                "servers":{
                    "ExampleInstance_adminserver":{
```

```
"timestamp":"2018-03-27T04:59:06.202+00:00",

"collectionTime":"2018-05-25T11:33:53.195+00:00",
                            "status":"UP",
                            "serverId":xxxxxx,
                            "serverName":"ExampleInstance_adminserver",
                            "healthData":{
                                "upsince":{
                                    "unit":"ms",

"value":"2018-05-09T13:55:16.000+00:00",
                                    "displayName":"Server Up since"
                                },
                                "heapmax":{
                                    "unit":"MB",
                                    "value":"1365.5",
                                    "displayName":"Max memory"
                                },
                                "heapfree":{
                                    "unit":"MB",
                                    "value":"682.75",
                                    "displayName":"Free memory"
                                }
                            },
                            "serverType":"ADMIN",
                            "statusMessage":"Running"
                        },
                        "ExampleInstance_server_1":{

"timestamp":"2018-03-27T04:59:07.249+00:00",

"collectionTime":"2018-05-25T11:33:53.196+00:00",
                            "status":"UP",
                            "serverId":xxxxxx,
                            "serverName":"ExampleInstance",
                            "healthData":{
                                "upsince":{
                                    "unit":"ms",

"value":"2018-05-09T13:56:37.000+00:00",
                                    "displayName":"Server Up since"
                                },
                                "heapmax":{
                                    "unit":"MB",
                                    "value":"1820.5",
                                    "displayName":"Max memory"
                                },
                                "heapfree":{
                                    "unit":"MB",
                                    "value":"1583.83",
                                    "displayName":"Free memory"
                                }
                            },
                            "serverType":"MS",
```

```
                        "statusMessage":"Running"
                    }
                },
                "sub_status":"UP",
                "hostName":"ExampleInstance",
                "label":"ExampleInstance wls 1",
                "vmId":xxxxxx,
                "healthData":{
                    "VMCpuUtil":{
                        "unit":"%",
                        "value":"0",
                        "displayName":"VM CPU Usage"
                    },
                    "VMmemory":{
                        "unit":"MB",
                        "value":"3602",
                        "displayName":"VM Free Memory"
                    }
                },
                "statusMessage":"Running"
            }
        },
        "componentId":xxxxxx,
        "componentType":"WLS",
        "statusMessage":"Running"
    }
},
"dataQuality":{
    "message":"Health data complete"
},
"serviceType":"JaaS",
"serviceName":"ExampleInstance",
"statusMessage":"Running"
}
```


psm jcs clone-service

This command allows you to clone a new service from an existing snapshot.

A snapshot is an image of a complete service instance that you can create by using the `psm jcs create-snapshot` command. You can see details of a snapshot by using the `psm jcs snapshot` command or view a list of all snapshots by using the `psm jcs snapshots` command.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs clone-service -c|--config-payload pathToJson
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Command Option	Description
`-c|–config-payload` *`pathToJson`*	Specifies the path to a JSON file containing the instance-cloning information necessary to clone a Java Cloud Service instance. The format of this file, as shown in Sample Payload, is the same as the request body you provide when cloning a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (create-postrequestm)** section of Create a Service Instance in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

This payload clones a new instance from a snapshot taken with psm jcs create-snapshot or by using the Java Cloud Service console. When cloning an instance, `sourceServiceName` and `snapshotName` are required. You must also use a clone of the associated Database Cloud Service database deployment.

> **Note:**
>
> You can find parameter descriptions for this sample payload the **Request/Body (create-postrequestm)** section of Create a Service Instance in the *REST API for Oracle Java Cloud Service*.

```
{
  "backupDestination" : "BOTH",
  "cloudStorageContainer" : "yourObjectStorageContainer",
  "cloudStorageUser" : "yourObjectStorageUser",
  "cloudStoragePassword" : "yourObjectStoragePassword",
  "serviceDescription" : "This is a clone of the service instance
MyJCSsource",
  "sourceServiceName":"MyJCSsource",
  "snapshotName":"myJCSSnapshot-1",
```

```
  "serviceName" : "CloneMyJCSsource",
  "enableAdminConsole" : true,
  "vmPublicKeyText" : "yourSSHPublicKeyString",
  "components" : {
    "WLS" : {
      "shape" : "oc4",
      "adminUserName" : "yourWLSAdminUserName",
      "adminPassword" : "yourWLSAdminPassword",
      "dbaName" : "yourDBUserName",
      "dbaPassword" : "yourDBCSPassword",
      "dbServiceName" : "yourCloneDBCSName"},
    "OTD" : {
      "shape" : "oc4"}}}
```

Example

```
$ psm jcs clone-service -c c://home/templates/my-cloned-payload.json
```

Note that this command returned a job ID. To see the status of your `clone-service` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34211 -of json
```

When you see the message:

```
 "operationId":364,
 "operationType":"CREATE_SERVICE",
 "serviceId":364,
 "serviceName":"Example1Instance",
 "serviceType":"jaas",
 "startDate":"2016-04-28T17:04:41.931+0000",
 "status":"SUCCEED",
 "summaryMessage":"CREATE_SERVICE"
```

the service was successfully created (cloned).

psm jcs create-access-rule

Use this command to create an access rule for Oracle Java Cloud Service instance.

Syntax

```
psm jcs create-access-rule -s|--service-name serviceName
  -c|--config-payload pathToJSONFile
    [-of|--output-format html|json|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the service instance.
`-c|--config-payload` *`pathToJSONFile`*	Specifies the path to the JSON file containing the information necessary to create an access rule for a Java Cloud Service instance. The format of this file, as shown in Sample Payload, is the same as the request body you provide when creating an access rule for a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (addsecrule-postrequest)** section of Add an Access Rule in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format html|json|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

> **Note:**
>
> You can find parameter descriptions for this payload in the **Request/Body (addsecrule-postrequest)** section of Add an Access Rule in the *REST API for Oracle Java Cloud Service*.

This payload adds an access rule to a service instance.

```
{
    "ruleName": "my_corp_vnc",
    "description": "corporate to VNC to Admin Server",
    "ports": "5900",
    "protocol": "tcp",
    "status": "enabled",
    "source": "192.123.45.6/32",
```

```
    "destination": "WLS_ADMIN_SERVER"
}
```

Examples

```
$ psm jcs create-access-rule -s ExampleInstamce -c D:\cli_apps\access-rule-
jcs.json -of json
```

Response:

```
"Accepted"
```

psm jcs create-service

Use this command to create an Oracle Java Cloud Service instance.

A Tutorial is also available.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs create-service -c|--config-payload pathToConfig-Payload
  [-wc|--wait-until-complete true|false]
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`–c|--config-payload` *`pathToConfig-Payload`*	Specifies the path to a JSON file containing the instance-creation information necessary to create an Oracle Java Cloud Service instance. The format of this file, as shown in Sample Payloads, is the same as the request body you provide when creating a service instance by using the REST API. For information about this format, go to the **Request/ Body (create-postrequestm)** of Create a Service Instance in the *REST API for Oracle Java Cloud Service*.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Sample Payloads

> **Note:**
>
> You can find parameter descriptions for the following sample payloads in the **Request/Body (create-postrequestm)** section of Create a Service Instance in the *REST API for Oracle Java Cloud Service*.

The following payloads are used to create Oracle Java Cloud Service instances. This first example shows an example of the request body in JSON format. It uses the clusters array to define one application tier cluster and one Oracle Coherence data tier cluster.

> **Note:**
>
> `enableAdminConsole` and `cloudStorageContainerAutoGenerate` are not available on Oracle Cloud Infrastructure.

```
{
    "cloudStorageContainer" : "yourObjectStorageContainerOrBucket",
    "cloudStorageUser" : "yourObjectStorageUser",
    "cloudStoragePassword" : "yourObjectStoragePassword",
    "cloudStorageContainerAutoGenerate" : true,
    "serviceDescription" : "My service instance using the new path and
parameters",
    "serviceLevel" : "PAAS",
    "serviceName" : "MyFirstInstance",
    "edition" : "SUITE",
    "serviceVersion" : "12cR3",
    "meteringFrequency" : "HOURLY",
    "provisionOTD" : true,
    "enableAdminConsole" : true,
    "vmPublicKeyText" : "yourSSHPublicKeyString",
    "components" : {
        "WLS" : {
            "shape" : "oc3",
            "managedServerCount": 0,
            "clusters" : [
                {
```

```
                "clusterName" : "yourClusterName",
                "type": "APPLICATION_CLUSTER",
                "serverCount" : 2
            },
            {
                "clusterName" : "yourCoherenceClusterName",
                "type": "CACHING_CLUSTER",
                "serverCount" : 3,
                "serversPerNode" : 4,
                "shape" : "oc3"
            }
        ],
        "adminUserName" : "yourWLSAdminUserName",
        "adminPassword" : "yourWLSAdminPassword",
        "sampleAppDeploymentRequested" : true,
        "domainMode" : "PRODUCTION",
        "dbServiceName" : "yourDBCSName",
        "dbaName" : "yourDBUserName",
        "dbaPassword" : "yourDBCSPassword",
        "appDBs" : [
            {
                "dbServiceName" : "yourAppDBService",
                "dbaName" : "yourAppDBUserName",
                "dbaPassword" : "yourAppDBPassword"
            }
        ]
    },
    "OTD": {
        "adminUserName" : "yourOTDUserName",
        "adminPassword" : "yourOTDPassword",
        "listenerPortEnabled" : true,
        "listenerPort" : "8080",
        "securedListenerPort" : "8081",
        "loadBalancingPolicy" : "LEAST_CONNECTION_COUNT",
        "haEnabled" : false,
        "adminPort" : "8989",
        "shape" : "oc3"
    }
  }
}
```

This payload sample shows a request document that uses a region and IP reservations for the Oracle WebLogic Server (WLS) and Oracle Traffic Director (OTD) nodes. Note that IP reservations are applicable only when creating service instances in Oracle Cloud Infrastructure Classic regions. The number of names in `ipReservations` must correspond to the number of Managed Server nodes to provision in the cluster. For OTD, the number of names in `ipReservations` must correspond to the number of load balancer nodes you want to provision.

> **Note:**
>
> `enableAdminConsole`, `cloudStorageContainerAutoGenerate`, and `ipReservations` are supported only in Oracle Cloud Infrastructure Classic regions.

```
{
    "cloudStorageContainer" : "yourObjectStorageContainer",
    "cloudStorageUser" : "yourObjectStorageUser",
    "cloudStoragePassword" : "yourObjectStoragePassword",
    "cloudStorageContainerAutoGenerate" : true,
    "serviceDescription" : "My service instance using the new path and
parameters",
    "serviceLevel" : "PAAS",
    "serviceName" : "MyFirstInstance",
    "edition" : "EE",
    "serviceVersion" : "12cR3",
    "meteringFrequency" : "HOURLY",
    "provisionOTD" : true,
    "enableAdminConsole" : true,
    "vmPublicKeyText" : "yourSSHPublicKeyString",
    "region" : "uscom-central-1",
    "components" : {
        "WLS" : {
            "adminUserName" : "yourWLSAdminUserName",
            "adminPassword" : "yourWLSAdminPassword",
            "sampleAppDeploymentRequested" : true,
            "domainMode" : "PRODUCTION",
            "dbServiceName" : "yourDBCSName",
            "dbaName" : "yourDBUserName",
            "dbaPassword" : "yourDBCSPassword",
            "clusterName" : "yourClusterName",
            "managedServerCount" : 2,
            "ipReservations": ["ipres01, ipres02"],
            "shape" : "oc3",
            "appDBs": [
            {
                "dbaPassword": "yourAppDBUserPassword",
                "dbServiceName": "yourAppDBCSName",
                "dbaName": "yourAppDBUserName"}]},
        "OTD": {
            "adminUserName" : "yourOTDUserName",
            "adminPassword" : "yourOTDPassword",
            "listenerPortEnabled" : true,
            "listenerPort" : "8080",
            "securedListenerPort" : "8081",
            "loadBalancingPolicy" : "LEAST_CONNECTION_COUNT",
            "haEnabled": "false",
            "ipReservations": ["ipres03"],
            "adminPort" : "8989",
            "shape" : "oc3"}}}
```

The following payload creates a single-node instance without a load balancer in an Oracle Cloud Infrastructure region.

```
{
  "serviceLevel": "PAAS",
  "serviceName": "JCS1onOCI",
  "edition": "EE",
```

```
  "serviceDescription": "My JCS instance on Oracle Cloud Infrastructure",
  "serviceVersion": "12cRelease212",
  "region": "us-phoenix-1",
  "availabilityDomain": "QnsC:PHX-AD-1",
  "subnet":
"ocid1.subnet.oc1.iad.aaaaaaaasrksg2vpaaaaaa2biars2mxa6fiibx4tbhs2bbbbbblorxm
bhbyq",
  "cloudStorageContainer": "https://swiftobjectstorage.us-
phoenix-1.oraclecloud.com/v1/acme/mybucket",
  "cloudStorageUser": "yourObjectStorageUser",
  "cloudStoragePassword":
"yourSwiftPasswordGeneratedInOracleCloudInfrastructure",
  "vmPublicKeyText": "yourSSHPublicKeyString",
  "components": {
    "WLS": {
      "adminUserName": "yourWLSAdminUserName",
      "adminPassword": "yourWLSAdminPassword",
      "managedServerCount": "1",
      "clusterName": "jcs1_cluster",
      "dbaName": "yourDBUserName",
      "dbaPassword": "yourDBCSPassword",
      "dbServiceName": "DBCS1",
      "shape": "VM.Standard1.1"
    }
  }
}
```

Example

```
$ psm jcs create-service -c /home/templates/create-jcs-service.json -of
short
"Accepted"
Job ID : 34148
```

Note that this command returned a job ID. To see the status of your `create-service` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34148 -of json
```

When you see the message:

```
 "operationId":364,
 "operationType":"CREATE_SERVICE",
 "serviceId":364,
 "serviceName":"Example1Instance",
 "serviceType":"jaas",
 "startDate":"2016-04-28T17:04:41.931+0000",
 "status":"SUCCEED",
 "summaryMessage":"CREATE_SERVICE"
```

psm jcs create-snapshot

Create a snapshot for an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs create-snapshot -s|--service-name instance-name
  -a|--name snapshot-name
  [-d|--description "string"]
  [-o|--colocated true|false]
  [-wc|--wait-until-complete true|false]
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`instance-name`*	Name of the Oracle Java Cloud Service instance
`-a|--name` *`snapshot-name`*	Name of the snapshot
`-d|--description` *`"string"`*	Short description of the snapshot
`-o|--colocated true|false`	Snapshots can be stored as block storage volumes (colocated snapshots) or as objects in the Object Storage service. A colocated snapshot can only be used to create clones within the same region as the source service instance. If set to false, the snapshot can be used to create clones in other regions. The default value is true.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm jcs create-snapshot --service-name myjcs --name myjcs-snap1 -of json
```

psm jcs delete-access-rule

Use this command to delete an access rule for Oracle Java Cloud Service instance.

Rules of type USER can be deleted whereas rules of type DEFAULT or SYSTEM cannot.

Syntax

```
psm jcs delete-access-rule -s|--service-name serviceName
  -r|--rule-name ruleName
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-r|--rule-name` *`ruleName`*	The name of the access rule you want to delete
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	Default: `false`

Example

```
$ psm jcs delete-access-rule -s ExampleInstance -r ar-test-jcs01 -of json
```

Response:

```
{
    "rule":{
        "description":"java devlopment kit",
```

```
        "destination":"WLS_ADMIN_SERVER",
        "ports":"5900",
        "protocol":"tcp",
        "ruleName":"ar-test-jcs01",
        "ruleType":"USER",
        "source":"PUBLIC-INTERNET",
        "status":"enabled"
    }
}
```

psm jcs delete-association

This command deletes an association between the specified service and the service identified in the payload.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs delete-association -s|--service-name serviceName
  -c|--config-payload pathToJsonPayload
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToJsonPayload`*	Specifies the path to a JSON file containing the information necessary to delete an association. The format of this file, as shown in Payload Example, is the same as the request body you provide when creating a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/ Body (reassociate-request)** section of Associate a Service Instance With a Different Database in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Parameter	Description
`-wc|--wait-until-complete true|false`	(Optional) If set to True, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Accepted value:** `true|false` **Default:** `false`

Payload Example

> **Note:**
>
> For a description of the payload parameters, see the **Request/Body (reassociate-request)** section of Associate a Service Instance With a Different Database in the *REST API for Oracle Java Cloud Service*.

This payload deletes an association called myDBAssociation.

```
{
    "INFRA_DB":{
        "destServiceName":"myDBCS02",
        "associationName":"myDBAssociation",
        "dbaName":"SYS",
        "dbaPassword":"password",
    }
}
```

Example

```
$ psm jcs delete-association -s ExampleInstance -c /home/templates/delete-association-payload.json
```

psm jcs delete-backup

This command deletes a backup of an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs delete-backup -s|--service-name serviceName
   -b|--backup-id backupId
   [-f|--force true|false]
```

```
[-of|--output-format json|html|short]
[-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-b|--backup-id` *`backupId`*	ID of the backup that you want to delete. To retrieve the backup ID, use the view-backups command.
`-f|--force true|false`	(Optional) When set to true, forces a backup created by the patching process to be deleted.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs delete-backup -s Example1Instance -b 1461867758288 -of json
{
    "job_id":"34325",
    "operationName":"delete-backup",
    "target_uri":"http://myserver.us.mycorp.com:7103/paas/
service/jcs/api/v1.1/instances/myteamabca/Example1Instance/
deletedbackups/34325"
}
Job ID : 34325
```

Note that this command returned a job ID. To see the status of your `delete-backup` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34325 -of json
```

When you see the message:

```
"operationId":364,
"operationType":"DELETE_BACKUP",
"serviceId":364,
```

```
  "serviceName":"Example1Instance",
  "serviceType":"jaas",
  "startDate":"2016-04-28T20:01:58.024+0000",
  "status":"SUCCEED",
  "summaryMessage":"DELETE_BACKUP"
```

the backup was successfully deleted.

psm jcs delete-service

Use this command to delete an Oracle Java Cloud Service instance. Once a service instance is deleted, your account is no longer charged for it.

> **Note:**
>
> Only a Java administrator can delete a service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs delete-service -s|--service-name ServiceName
  -d|--dba-name dbaName
  -a|--dba-password dbaPassword
    [-f|--force-delete true|false]
    [-k|--skip-backup-on-terminate true|false]
    [-o|--force true|false]
    [-of|--output-format html|json|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`ServiceName`*	Name of the Oracle Java Cloud Service instance.
`-n|--dba-name` *`dbaName`*	Username for the Oracle Database Cloud Service instance administrator.
`-a|--dba-password` *`dbaPassword`*	Password for the Oracle Database Cloud Service instance administrator.
`-f|--force-delete true|false`	(Optional) Flag that specifies whether you want to force the removal of the Oracle Java Cloud Service instance, regardless of whether there are processes running. **Default:** `false`
`-k|--skip-backup-on-terminate true|false`	(Optional) Flag that specifies whether you want to skip backing up the Oracle Java Cloud Service instance before deleting it. **Default:** `true`

Parameter	Description
`-o|--force true|false`	(Optional) When `true`, if any errors occur while deleting schemas created by the service infrastructure, the delete will continue even if an error occurs. All script failures during deletion will also be ignored. Any undeleted schemas should be deleted manually. **Accepted values:** `true|false` **Default:** `false`
`-of|--output-format html|json|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`–wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs delete-service -s Example1Instance -n SYS -a passoword -of
json
{
    "auto_update":"true",
    "compliance_status":"",
    "compliance_status_desc":"",
    "created_by":"weblogic",
    "creation_time":"Thu Apr 28 17:4:41 UTC 2016",
    "description":"Example Instance 12-2-1 created via REST API",
    "error_status_desc":"",
    "identity_domain":"docteamucf2a",
    "last_modified_time":"Thu Apr 28 18:29:7 UTC 2016",
    "service_name":"Example1Instance",
    "service_uri":"http://myserver.us.mycorp.com:7103/paas/
service/jcs/api/v1.1/instances/myteamabca/EdsExample1Instance",
    "status":"Terminating",
    "version":"12cRelease2",
    "wlsVersion":"12.2.1.0.160119"
}
Job ID : 34373
```

Note that this command returned a job ID. To see the status of your `delete-service` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34373 -of short
```

When you see the message:

```
"operationId":364,
"operationType":"DELETE_SERVICE",
"serviceId":364,
"serviceName":"Example1Instance",
"serviceType":"jaas",
"startDate":"2016-04-28T21:50:47.192+0000",
"status":"SUCCEED",
"summaryMessage":"DELETE_SERVICE"
```

the service was successfully deleted.

psm jcs delete-snapshot

Delete a snapshot defined for a Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs delete-snapshot -s|--service-name instance-name
    -n|--snapshot-name snapshot-name
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Java Cloud Service instance.
`-n|--snapshot-name` *`snapshot-name`*	Specifies the name of the snapshot.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm jcs delete-snapshot --serviceName myjcs57-aas --snapshotName
mysql57-snap1
```

psm jcs disable-access-rule

Use this command to disable an active access rule for Oracle Java Cloud Service instance.

The access rule must exist for your service and be in the enabled status before you can disable it. To determine whether the access rule exists and if it's enabled, use the psm jcs access-rules command. If the rule is enabled, the status line will so indicate:

```
 {
     "description":"Permit public to ssh to admin server",
     "destination":"WLS_ADMIN_SERVER",
     "ports":"22",
     "ruleName":"ora_p2admin_ssh",
     "ruleType":"DEFAULT",
     "source":"PUBLIC-INTERNET",
     "status":"enabled"
},
```

You can re-enable the rule by using the psm jcs enable-access-rule command. Rules of both types USER and DEFAULT can be disabled.

Syntax

```
psm jcs disable-access-rule -s|--service-name serviceName
 -r|--rule-name ruleName
  [-of|--output-format json|html|short]
  [-wc|- -wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.

Parameter	Description
`-r|--rule-name` *`ruleName`*	The name of the rule you want to disable.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs disable-access-rule -s ExampleInstance -r ora_p2admin_ssh -of json
```

Response:

```
{
    "description":"Permit public to ssh to admin server",
    "destination":"WLS_ADMIN_SERVER",
    "ports":"22",
    "ruleName":"ora_p2admin_ssh",
    "ruleType":"DEFAULT",
    "source":"PUBLIC-INTERNET",
    "status":"disabled"
}
```

psm jcs disable-loadbalancer

Use this command to disable the load balancer on the specified service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs disable-loadbalancer
    -s|--service-name serviceName
    -e|--end-point-type PUBLIC
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameters	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-e|--end-point-type PUBLIC`	Load balancer endpoint that you want to disable. The only supported value is `PUBLIC`.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm jcs disable-loadbalancer -s ExampleInstance -e PUBLIC -of json
```

psm jcs enable-access-rule

Use this command to enable an access rule for Oracle Java Cloud Service instance.

The access rule must exist for your service and be in the disabled status before you can enable it. To determine whether the access rule exists and if it's disabled, use the psm jcs access-rules command. If the rule is disabled, the status line will so indicate:

```
 {
     "description":"Permit public to ssh to admin server",
     "destination":"WLS_ADMIN_SERVER",
     "ports":"22",
     "ruleName":"ora_p2admin_ssh",
     "ruleType":"DEFAULT",
     "source":"PUBLIC-INTERNET",
     "status":"disabled"
},
```

Rules of both types USER and DEFAULT can be enabled.

Syntax

```
psm jcs enable-access-rule -s|--service-name serviceName
  -r|--rule-name ruleName
    --operation update
    --status enabled
     [-of|--output-format json|html|short]
     [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Option	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-r|--rule-name` *`ruleName`*	Name of the rule you want to enable.
`--operation update`	The type of operation, in this case, `update`.
`--status`	The operation status, in this case, `enabled`.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	Default: `false`

Example

```
$ psm jcs enable-access-rule -s ExampleInstance -r ora_p2admin_ssh -json
```

Response:

```
{
    "description":"Permit public to ssh to admin server",
    "destination":"WLS_ADMIN_SERVER",
    "ports":"22",
    "ruleName":"ora_p2admin_ssh",
    "ruleType":"DEFAULT",
    "source":"PUBLIC-INTERNET",
    "status":"enabled"
}
```

psm jcs enable-loadbalancer

Use this command to enable the load balancer on the specified service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs enable-loadbalancer
    -s|--service-name serviceName
    -e|--end-point-type PUBLIC
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameters	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-e|--end-point-type PUBLIC`	Load balancer endpoint that you want to enable. The only supported value is `PUBLIC`.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm jcs enable-loadbalancer -s ExampleInstance -e PUBLIC -of json
```

psm jcs import

Use this command to migrate an on-premises WebLogic Server domain to an Oracle Java Cloud Service instance.

Syntax

```
psm jcs import -s|--service-name serviceName
  -c|--config-payload pathToPayload
     [-of|--output-format json|html|short]
     [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToPayload`*	Specifies the path to the JSON file containing the information necessary for importing an on-premises WebLogic Server domain into a Java Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

The following example shows how to import a WebLogic Server domain configuration from an on-premises environment into your Oracle Java Cloud Service instance that was created with AppToCloud artifacts. For release 17.4.1 and higher, `customPayLoad` is an object. The following shows an example that uses the `customPayLoad` object in the request body.

Each data source in the original WebLogic Server domain must be associated with an existing Oracle Database Cloud Service database deployment. For GridLink and Multi data sources, use a Database Cloud Service database deployment that hosts an Oracle Real Application Clusters (Oracle RAC) database.

```
{
    "customPayload": {
        "payload": {
            "ds":{
```

```
        "mymultidatasource":{
            "username":"sys as sysdba",
            "password":"password",
            "mymultidatasource":"some-db-cloud-instance",
            "targetDataSourceType":"Generic"},
        "grid-2":{
            "username":"sys as sysdba",
            "password":"password",
            "grid-2":"some-db-cloud-instance",
            "targetDataSourceType":"Generic"},
        "JDBC Data Source-0":{
            "username":"sys as sysdba",
            "password":"password",
            "JDBC Data Source-0":"some-db-cloud-instance",
            "targetDataSourceType":"Generic"},
        "abcdjdbc":{
          "username":"sys as sysdba",
          "password":"password",
          "abcdjdbc":"some-db-cloud-instance",
          "targetDataSourceType":"Generic"}},
    "jndi":{
        "myforeign-jndi":{
            "bypassPrecheck": "false",
            "username":"myweblogicuser",
            "password":"password",
            "provider":"T3_WEBLOGIC_SERVER_URL"},
        "abcd":{
            "bypassPrecheck": "false",
            "username":"myweblogicuser",
            "password":"password",
            "provider":"T3_WEBLOGIC_SERVER_URL"},
        "abcd provider jndi":{
            "bypassPrecheck": "false",
            "username":"myweblogicuser",
            "password":"password",
            "destination":{
                "jaasInstance": "targetJCSInstance",
                "server": "myserver",
                "protocol": "t3"}}},
    "mailSession":{
        "MyMailSession-0":{
            "mailSessionName": "MyMailSession-0",
            "defaultMail":{
                "port": "asdasd",
                "username": "asdasd",
                "host": "asad",
                "type": "Default",
                "password":"password"},
            "send":{
                "port": "465",
                "username": "asdsad",
                "protocol": "smtp",
                "host": "anexample.example.com",
                "type": "Send",
                "password":"password"},
```

```
                "bypassPrecheck": "false",
                "receive":{
                    "port": "993",
                    "username": "asdsad",
                    "protocol": "imap",
                    "host": "anexample.example.com",
                    "type": "Receive",
                    "password":"password"},
                "optionalProperties":{
                    "mail.smtp.ssl.enable": "true",
                    "mail.imap.starttls.enable": "true",
                    "mail.imap.ssl.enable": "true",
                    "mail.smtp.auth": "true",
                    "mail.smtp.starttls.enable": "true",
                    "mail.imap.auth": "true"}},
            "MyMailSession-1":{
                "mailSessionName": "MyMailSession-1",
                "defaultMail":{
                    "port": "asdsad",
                    "username": "asdsd",
                    "host": "asdasd",
                    "type": "Default",
                    "password":"password"},
                "send":{
                    "port": "465",
                    "username": "asdasd",
                    "protocol": "smtp",
                    "host": "anexample.example.com",
                    "type": "Send",
                    "password":"password"},
                "bypassPrecheck": "false",
                "optionalProperties":{
                    "mail.smtp.ssl.enable": "true",
                    "mail.smtp.auth": "true",
                    "mail.smtp.password":"password",
                    "mail.smtp.starttls.enable": "true"}}},
        "jmsModule":{
            "My Advanced Jms Module 1":{
                "jmsForeignServer":{
                    "MyForeignJMS3":{
                        "username": "asdsd",
                        "jndiConnectionUrl": "t3:\/\/127.0.0.1:8101",
                        "bypassPrecheck": "false",
                        "password":"password"}},
                "safRemoteContext":{
                    "MyRemoteSAFcontext-0":{
                        "username": "asdasd",
                        "bypassPrecheck": "false",
                        "password":"password",
                        "url": "t3:\/\/127.0.0.1:8101"},
                    "MyRemoteSAFcontext-1":{
                        "username": "tjghgh",
                        "bypassPrecheck": "false",
                        "password":"password",
                        "url": "t3:\/\/127.0.0.1:8101"},
```

```
                            "MyRemoteSAFcontext-2":{
                                "username": "egertert",
                                "bypassPrecheck": "false",
                                "password":"password",
                                "destination":{
                                    "jaasInstance": "targetJCSInstance",
                                    "server": "mycluster",
                                    "protocol": "t3"}}}},
                        "MyAdvancedJmsModule2":{
                            "jmsForeignServer":{
                                "My Foreign JMS 0":{
                                    "username": "dfhrtuu",
                                    "jndiConnectionUrl": "t3:\/\/
127.0.0.1:8101",
                                    "bypassPrecheck": "false",
                                    "password":"password"},
                                "ForeignServer-10":{
                                    "username": "username3",
                                    "password": "password",
                                    "bypassPrecheck": "false",
                                    "destination": {
                                        "jaasInstance": "targetJCSInstance",
                                        "cluster": "my cluster",
                                        "protocol": "t3"}}},
                            "safRemoteContext":{
                                "MyRemoteSAFcontext-0":{
                                    "username": "were545",
                                    "bypassPrecheck": "false",
                                    "password":"password",
                                    "url": "t3:\/\/127.0.0.1:8101"},
                                "MyRemoteSAFcontext-1":{
                                    "username": "sdfsdfs",
                                    "bypassPrecheck": "false",
                                    "password":"password",
                                    "url": "t3:\/\/127.0.0.1:8101"},
                                "MyRemoteSAFcontext-2":{
                                    "username": "uuyhmn",
                                    "bypassPrecheck": "false",
                                    "password":"password",
                                    "url": "t3:\/\/127.0.0.1:8101"}}}},
                    "jmsMessageBridgeDestination":{
                        "JMS Bridge Remote Destination":{
                            "connectionUrl": "t3:\/\/127.0.0.1:8101",
                            "bypassPrecheck": "false",
                            "username": "someusername",
                            "password": "password"},
                        "JMS Bridge Local Destination":{
                            "connectionUrl": "t3:\/\/127.0.0.1:8101",
                            "bypassPrecheck": "false",
                            "username": "someusername",
                            "password": "password"},
                        "JMS Bridge Another Local Destination":{
                            "connectionUrl": "t3:\/\/127.0.0.1:8101",
                            "bypassPrecheck": "false",
                            "username": "someusername",
```

```
                    "password": "password"},
                "JMS Bridge Another Remote Destination":{
                    "bypassPrecheck": "false",
                    "username": "someusername",
                    "password": "password",
                    "destination":{
                        "jaasInstance": "targetJCSInstance",
                        "server": "mycluster",
                        "protocol": "t3"}}},
            "jmsMessagingBridge":{
                "MyMessagingBridge-2":{
                    "sourceDestination": "JMS Bridge Remote Destination",
                    "targetDestination": "JMS Bridge Local Destination"},
                "MyMessagingBridge-1":{
                    "sourceDestination": "JMS Bridge Local Destination",
                    "targetDestination": "JMS Bridge Remote Destination"},
                "Another Messaging Bridge-2":{
                    "sourceDestination": "JMS Bridge Another Remote
Destination",
                    "targetDestination": "JMS Bridge Another Local
Destination"}},
            "storage":{
                "a2cModelJsonLocation": "https://storage-url/v1/storage-
storageidentitydomain/containername/domain1.json",
                "cloudStoragePwd": "password",
                "cloudStorageUser": "joe@example.com"}},
        "type": "app2cloud"}}
```

Example

```
$ psm jcs import -s ExampleInstance -c D:/cli_apps/a2c_payload.json
```

psm jcs list-associations

This command lists all available associations between your service and any other PaaS or SaaS service.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs list-associations -s|--service-name serviceName
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *serviceName*	Name of the Oracle Java Cloud Service instance.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs list-associations -s ExampleInstance -of short
```

Response:

```
Service Type  Service Name  Association Name  Association Type
 DBaaS         myDBCS01      INFRA_DB          DEPENDS_ON
```

psm jcs loadbalancer

Use this command to obtain the details and status of the Oracle-managed load balancer for the specified service instance.

This command is only applicable to service instances that are configured to use an Oracle-managed load balancer like Oracle Cloud Infrastructure Load Balancing Classic. It is not supported for service instances that contain one or more load balancer nodes running Oracle Traffic Director.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs loadbalancer -s|--service-name serviceName
    -e|--end-point-type PUBLIC
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameters	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-e|--end-point-type PUBLIC`	Load balancer endpoint that you want to view. The only supported value is `PUBLIC`.

Parameters	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Example

```
$ psm jcs loadbalancer -s ExampleInstance -e PUBLIC -of json
```

psm jcs operation-status

Use this command to track the status of a CLI operation performed on an Oracle Java Cloud Service instance; for example, `psm jcs scale` or `psm jcs create-service`.

A number of CLI commands will return a numeric job ID, indicating that processing has commenced. When you use `psm jcs operation-status`, you need to include this job ID with the command. Be aware that, when you run this command, some operations take longer to complete than others. You might need to repeat it a few times before the `STATUS: SUCCEED` message appears.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs operation-status -j|--job-id jobId
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-j|--job–id` *`jobId`*	Job ID of the operation.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs operation-status -j 7495 -of json
{
    "activityLogId":7126,
    "authDomain":"myteamabca",
```

```
    "authUser":"weblogic",
    "endDate":"2016-04-28T21:10:40.854+0000",
    "identityDomain":"myteamabca",
    "initiatedBy":"USER",
    "jobId":34348,
    "messages":[
        {
            "activityDate":"2016-04-28T21:08:31.022+0000",
            "message":"Activity Submitted"
        },
        {
            "activityDate":"2016-04-28T21:08:31.046+0000",
            "message":"Activity Started"
        },
        {
            "activityDate":"2016-04-28T21:08:31.096+0000",
            "message":"Stopping service [Example1Instance]..."
        },
        {
            "activityDate":"2016-04-28T21:10:38.283+0000",
            "message":"Stopped all Compute resources..."
        },
        {
            "activityDate":"2016-04-28T21:10:40.843+0000",
            "message":"Stopped service [Example1Instance]."
        },
        {
            "activityDate":"2016-04-28T21:10:40.854+0000",
            "message":"Activity Ended"
        }
    ],
    "operationId":364,
    "operationType":"STOP_SERVICE",
    "serviceId":364,
    "serviceName":"Example1Instance",
    "serviceType":"jaas",
    "startDate":"2016-04-28T21:08:31.022+0000",
"status":"SUCCEED",
    "summaryMessage":"STOP_SERVICE"
}
```


psm jcs patch

Use this command to apply a patch to an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs patch -s|--service-name serviceName
  -p|--patch-id patchId
      [-a|--additional-note text ]
```

```
[-of|--output-format json|html|short]
[-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-p|--patch-id` *`patchId`*	String that identifies the patch. To retrieve the patch ID, use the `available-patches`command.
`-a|--additional-note` *`free form text`*	(Optional) Free-form text to provide additional information about the patch.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs patch -s Example1Instance -p Test_Patch_12.2.1.0.160119
{
    "details":{
        "jobId":"34184",
        "message":"JCS-PATCHING-5068: Patching service with patch
[Test_Patch_12.2.1.0.160119] is submitted as an asynchronous job."
    },
    "status":"Completed"
}
Job ID : 34184
```

Note that this command returned a job ID. To see the status of your `patch` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34184 -of json
```

When you see the message:

```
 "operationId":364,
 "operationType":"PATCH",
 "serviceId":364,
 "serviceName":"Example1Instance",
```

```
 "serviceType":"jaas",
 "startDate":"2016-04-28T17:39:41.618+0000",
 "status":"SUCCEED",
 "summaryMessage":"PATCH"
```

the service was successfully patched.

psm jcs precheck-patch

Use this command before actually patching the Oracle Java Cloud Service instance to identify potential issues that might prevent the specified patch from completing successfully.

Patching precheck reports on the following conditions:

- Disk space shortage.
- Database connectivity failure.
- Server access failure.
- Storage access failure

Prechecks do not check whether another administration task (backup, restoration, or scaling) is in progress, although these will also prevent patching.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs precheck-patch -s|--service-name serviceName
  -p|--patch-id patchId
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-p|--patch-id` *`patchId`*	Patch Id for the patch that requires to have a precheck done.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Parameter	Description
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs precheck-patch -s Example1Instance -p Test_Patch_12.2.1.0.160119 -
of json
{
    "details":{
        "jobId":"34177",
        "message":"JCS-PATCHING-5227: Pre-Checking service for patch
[Test_Patch_12.2.1.0.160119] is submitted as an asynchronous job."
    },
    "status":"Completed"
}
Job ID : 34177
```

Note that this command returned a job ID. To see the status of your `precheck-patch` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34177 -of json
```

When you see the message:

```
  "operationId":364,
  "operationType":"PRECHECK",
  "serviceId":364,
  "serviceName":"Example1Instance",
  "serviceType":"jaas",
  "startDate":"2016-04-28T17:31:32.494+0000",
  "status":"SUCCEED",
  "summaryMessage":"PRECHECK"
```

the patch precheck is complete.

psm jcs recreate-association

Update an existing Oracle Java Cloud Service instance and associate it with a different Oracle Database Classic Cloud Service deployment.

> **Note:**
>
> - This operation is not supported for service instances running Oracle WebLogic Server 11.1.1.7 or 12.1.3.0.
> - This operation is not supported for service instances running on Oracle Cloud Infrastructure regions.
> - Both the original and the target Oracle Database Classic Cloud Service deployment must be of type **Single Instance**. All other database types are not supported, including **Database Clustering with RAC** and **Single Instance with Data Guard Standby**.
> - Oracle Database Exadata Cloud Service is not supported.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs recreate-association -s|--service-name serviceName
  -c|--config-payload pathToJsonPayload
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToJsonPayload`*	Specifies the path to a JSON file containing the connection details for your Oracle Database Classic Cloud Service deployment. The format of this file, as shown in the Sample Payload, is the same as the request body you provide when creating a service instance by using the REST API. For information about this format, see the **Body (reassociate-request)** section of Associate a Service Instance With a Different Database in *REST API for Oracle Java Cloud Service*. **Note:** Do the use the `connectString` attribute.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

> **Note:**
>
> For a description of the payload parameters, see the **Body (reassociate-request)** section of Associate a Service Instance With a Different Database in *REST API for Oracle Java Cloud Service*.

The payload connects the service instance to an existing Oracle Database Classic Cloud Service deployment named `myDBCS02`.

```
{
    "INFRA_DB" :{
      "destServiceName":"myDBCS02",
      "assocDescription":"New infra DB",
      "dbaName":"SYS",
      "dbaPassword":"password"
    }
}
```

Example

```
$ psm jcs recreate-association -s ExampleInstance -c /home/templates/
recreate-association-payload.json
```

psm jcs restart

Use this command to restart all nodes in a service instance, or to restart specific WebLogic Server or Load Balancer nodes in a service instance. When you use this command, you must

specify a server name or the host name of the load balancer to identify the Administration Server, Managed Server, or load balancer you want to restart.

If your Oracle Java Cloud Service instance is based on an HOURLY metering frequency, you will not be charged for the time that the service instance is in a stopped state.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs restart -s|--service-name serviceName
  -c|--config-payload pathToPayloadJSON
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToPayloadJSON`*	Specifies the path to the JSON file containing the information necessary to restart a Java Cloud Service instance. The format of this file, as shown in Sample Payload , is the same as the request body you provide when restarting a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (stopstart-postrequestm)** section of Stop and Start a Service Instance and Individual VMs in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

> **Note:**
>
> For descriptions of the payload parameters, see the **Request/Body (stopstart-postrequestm)** section of Stop and Start a Service Instance and Individual VMs in the *REST API for Oracle Java Cloud Service*.

This payload retarts an entire service instance.

```
{
   "allServiceHosts" : true
}
```

This payload restarts a single WLS host.

```
{
   "components": {
      "WLS": {
         "hosts": ["exampleinstance-wls-2"]
      }
   }
}
```

Example

```
$ psm jcs restart -s Example1Instance -c /home/templates/start-jcs-
service.json  -of json
"Accepted"
Job ID : 34353
```

Note that this command returned a job ID. To see the status of your `restart` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34353 -of json
```

When you see the message:

```
    "operationId":1071,
    "operationType":"RESTART_VM",
    "resourceId":1071,
    "resourceName":"example1instance-wls-1",
    "resourceType":"VM",
    "serverType":"WLS",
    "serviceId":364,
    "serviceName":"Example1Instance",
    "serviceType":"jaas",
    "startDate":"2016-04-28T21:27:17.506+0000",
```

```
    "status":"SUCCEED",
    "summaryMessage":"Examp_server_1"
```

the service was successfully created.

psm jcs restore

This command restores a Oracle Java Cloud Service instance that had previously been backed up.

With this command, you can also choose to reset the Oracle WebLogic Server and the JDK software to the versions that correspond to the official patch set update (PSU) level of the software that Oracle Java Cloud Service is currently running, or leave the versions unchanged. After the restoration operation completes, you may need to perform a set of manual tasks to return the service instance to full operation. If a service instance contains Managed Servers and Coherence Managed Servers that are not included in the backup being restored, you must scale in the service instance before trying to restore the instance. For regular Managed Servers, you can use `force-scale-in` to automatically scale in the service instance after and only if restoration is successful. For Coherence Managed Servers, you must remove the Managed Servers configured on the Coherence data tier (which are identified by managedserver_x_DG) before you try to restore the service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs restore -s|--service-name serviceName
  [-e|--restore-config true|false]
  [-t|--reset-binaries true|false]
  [-f|--force-scale-in true|false]
  [-o|--continue-on-error true|false]
  [-y|--restore-type recoveryType]
  [-a|--archive-uri uriToArchive]
  [-d|--dba-user dbaUsername]
  [-w|--dba-password dbaPassword]
  [-i|--origignal-wls-admin-user originalWlsUsername]
  [-g|--original-wls-admin-password originalWlsPassword]
  [-l|--cloud-storage-password storagePassword]
  [-u|--cloud-storage-user storageUsername]
  [-h|--schema-password password]
  [-k|--original-encryption-password password]
  [-b|--backup-id backupId]
  [-m|--restore-id restorationId
  [-q|--notes freeFormNotes
  [of|--output-format json|html|short]
  [wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-e|restore-config true|false`	(Optional) Determines whether or not to include configuration files in the restoration. Setting this boolean flag to `true` will include them. **Accepted values:** `true|false` **Default:** `true`
`-t|--reset-binaries true|false`	(Optional) Determines whether or not to reset the binaries to the current PSU level. Setting this boolean flag to `true` will reset them. **Accepted values:** `true|false` **Default:** `false`
`-f|--force-scale-in true|false`	(Optional) Boolean flag that specifies whether to automatically scale in the Oracle Java Cloud Service instance if there are Managed Servers configured that are not included in the backup being restored. This value defaults to false, indicating that the service instance should not be scaled in automatically. **Accepted values:** `true|false` **Default:** `false`
`-o|--continue-on-error true|false`	(Optional) Boolean flag that specifies whether to continue on error. **Accepted values:** `true|false` **Default:** `false`
`-y|--restore-type` *`recoveryType`*	(Optional) A string value that identifies the type of restoration to perform.
`-a|--archive-uri` *`uriToArchive`*	(Optional) A string value that identifies the full URI to the archive. **Note:** Only use this option to recover a deleted service instance with the `restore-type` option with value `recover`
`-d|--dba-user` *`dbaUsername`*	(Optional) A string value that identifies the database administrator.
`-w|--dba-password` *`dbaPassword`*	(Optional) The password for the database administrator identified by `-d|--dba-user`.

Parameter	Description
`-i|--original-wls-admin-user` *`originalWlsUsername`*	(Optional) String value identifying the Weblogic user name for the service from which the backup being restored was originally created. **Note:** Only use this option to recover a deleted service instance with the `restore-type` option with the value `recover`
`-g|--original-wls-admin-password` *`originalWlsPassword`*	(Optional) The password for the Weblogic user identified by `-i|--original-wls-admin-user`. **Note:** Only use this option to recover a deleted service instance with the `restore-type` option with value `recover`
`-l|--cloud-storage-password` *`storagePassword`*	(Optional) The password for the storage container user identified by `-u|--cloud-storage-user`.
`-u|--cloud-storage-user` *`storageUsername`*	(Optional) String value identifying the user of the storage container from which the backup will be restored.
`-h|--schema-password` *`password`*	(Optional) Schema password. This option is only required when the schema password changes after the specified backup was taken.
`-k|--original-encryption-password` *`password`*	(Optional) If the backup was encrypted, this is the password you need to use decrypt and restore the backup. **Note:** Only use this option to recover a deleted service instance with the `restore-type` option with value `recover`
`-b|--backup-id` *`backupId`*	(Optional) A string value identifier for the backup you are restoring.
`–m|--restore-id` *`restorationId`*	(Optional) A string value that identifies the restored backup. This parameter differs from `-b|--backup-id` in that it identifies the backup after it is restored whereas `-b|--backup-id` identifies the backup from which you are restoring.

Parameter	Description
`-q|--notes` *`freeFormNotes`*	(Optional) A freeform note describing the restoration. This note can contain any details you feel are germane to the restored backup and process.
`–of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Examples

```
$ psm jcs restore -s ExampleInstance -f true -t true -d
john.smith@example.com -p password -of short
```

The following shows an example of the command to recover an instance that was terminated:

```
$ psm jcs restore -y recover -u mystorageuser -l mystorageuserpassword -w
mydbapassword -d mydbausername -g myadminpassword -i myadminuser -a "https://
acme.storage.oraclecloud.com/v1/MyService-acme/MyContainer/MyFinalBackup.zip"
```

Response:

```
{
    "operationName":"restore-backup",
    "job_id":"8226",
    "target_uri":"https:\/\/rest_server_url\/paas\/api\/v1.1\/instancemgmt\/
ExampleIdentityDomainID\/services\/jaas\/instances\/ExampleInstance\/
restoredbackups\/8226"
}
```

psm jcs rollback

Use this command to roll back a patch for an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs rollback -s|--service-name serviceName
      -r|--rollback-id nn
      [-a|--additional-note string]
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-r|--rollback-id` *`nn`*	String identifying the patch operation to be rolled back. To retrieve the rollback Id, use `applied-patches`command.
`-a|--additional-note` *`string`*	(Optional) Text string. Add a note to describe the rollback operation.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm jcs rollback -s Example1Instance -r 88992 -of json
{
    "details":{
        "jobId":"34361",
        "message":"JCS-PATCHING-5038: Rollback of service from patch
[Test_Patch_12.2.1.0.160119] is submitted as an asynchronous job."
    },
}
```

Note that this command returned a job ID. To see the status of your patch `rollback` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34361 -of json
```

When you see the message:

```
    "operationId":364,
    "operationType":"ROLLBACK",
    "serviceId":364,
    "serviceName":"Example1Instance",
    "serviceType":"jaas",
    "startDate":"2016-04-28T21:37:51.458+0000",
    "status":"SUCCEED",
    "summaryMessage":"ROLLBACK"
```

the patch was successfully rolled back.

psm jcs scale

This command scales the compute shape of an instance used by service hosts up or down by adding or removing a managed server.

You can scale only hosts that contain the Administration Server node and Managed Server nodes in a WLS application cluster. Oracle Java Cloud Service does not support scaling for other nodes in a service instance, such as the load balancer node or nodes in the caching (data grid) cluster.

For service instances that were created with the payload parameter `isBYOL` set to true, you are responsible for ensuring that you have the required licenses for the new shape you are specifying.

Scaling is not supported by Oracle Java Cloud Service - Virtual Image instances (BASIC service level).

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs scale -s|--service-name serviceName
    -c|--config-payload pathToJson
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Command Option	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.

Command Option	Description
`-c|--config-payload` *`pathToJson`*	Specifies the path to the JSON file containing the scale—up/down information necessary to scale a Java Cloud Service instance. The format of this file, as shown in Sample Payload, is the same as the request body you provide when scaling a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (scaleupdown-postrequestm)** section of Scale Up or Scale Down a Service Instance in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

> **Note:**
>
> For a description of the payload parameters, see the **Request/Body (scaleupdown-postrequestm)** section of Scale Up or Scale Down a Service Instance in the *REST API for Oracle Java Cloud Service*

This sample payload scales up a host.

```
{
   "components": {
      "WLS": {
         "hosts": ["exampleinstance-wls-2"],
         "shape": "oc5",
         "ignoreManagedServerHeapError": true}
   }
}
```

Example

```
$ psm jcs scale -s example1Instance -c c://home/templates/my-scale-payload.json
```

Note that this command returned a job ID. To see the status of your `scale-up` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34211 -of json
```

When you see the message:

```
  "operationId":364,
  "operationType":"SCALE_UP",
  "serviceId":364,
  "serviceName":"Example1Instance",
  "serviceType":"jaas",
  "startDate":"2016-04-28T18:37:35.928+0000",
  "status":"SUCCEED",
  "summaryMessage":"SCALE_UP"
```

the service was successfully scaled-up.

psm jcs scale-in

This command removes a managed server from a cluster, scaling-in the Oracle Java Cloud Service instance by one node.

With this command, you can:

- Remove one node in the WLS application cluster
- Remove the secondary OTD node (if Oracle Traffic Director is provisioned as a local load balancer)
- Remove one node in the WLS caching (data grid) cluster

You cannot scale in a service instance:

- If the instance was provisioned at the Virtual Image (BASIC) service level
- If a snapshot of the instance has already been taken

When you are scaling in a service instance that uses IP reservations (application cluster nodes only), the IP reservation associated with the removed node is released but not deleted.

Syntax

```
psm jcs scale-in -s|--service-name serviceName
    -c|--config-payload pathToJson
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.

Parameter	Description
`-c|—config-payload`	Specifies the path to the JSON file containing the information necessary to scale-in a Java Cloud Service instance. The format of this file, as shown in Sample Payload , is the same as the request body you provide when scaling in a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (scalein-putrequestm)** section of Scale In a Service Instance in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

```
{
   "components": {
      "WLS": {
         "hosts": ["exampleinstance-wls-2"]
      }
   },
   "force": true
}
```

Examples

```
$ psm jcs scale-in -s Example1Instance -c  -c c://home/templates/scale-in-payload.json -of json
{
    "details":{
        "jobId":"34206",
        "message":"JAAS-SCALING-044: Scaling in Job (ID: 34206) server name [Examp_server_2] submitted for service [Example1Instance]"
    },
    "status":"New"
}
Job ID : 34206
```

Note that this command returned a job ID. To see the status of your `scale-out` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34206 -of json
```

When you see the message:

```
"operationId":364,
"operationType":"SCALE_IN",
"resourceId":1073,
"resourceName":"example1instance-wls-2",
"resourceType":"VM",
"serverType":"WLS",
"serviceId":364,
"serviceName":"Example1Instance",
"serviceType":"jaas",
"startDate":"2016-04-28T18:21:27.539+0000",
"status":"SUCCEED",
"summaryMessage":"Examp_server_2"
```

the service was successfully scaled-in.

psm jcs scale-out

This command adds a new Managed Server to the specified cluster to scale-out an Oracle Java Cloud Service instance by one node.

With this command, you can:

- Add one node to an existing WLS application cluster
- Add a new WLS application cluster
- Add one or more nodes to an existing WLS caching (data grid) cluster
- Add a secondary OTD node (if Oracle Traffic Director is provisioned as the local load balancer)
- Add a WLS caching (data grid) cluster, only if a caching cluster was not created in the initial provisioning of the service instance

Scaling a cluster is not supported by Oracle Java Cloud Service instances based on WebLogic Server Standard Edition.

For service instances that were created with isBYOL set to true: You are responsible for ensuring that you have the required licenses for the node you are adding.

If you are scaling out a service instance that uses IP reservations (application cluster nodes only), make sure you use only reserved IPs that are created in the same region. See IP Reservations REST Endpoints for information about how to find unused IP reservations and, if needed, create new IP reservations.

(Not supported on Oracle Cloud Infrastructure and Oracle Cloud at Customer) Before scaling out a service instance that uses an Exadata database deployment in an account where regions are not supported, you must obtain IP reservations for the Managed Servers you are going to add; you will not be able to scale out the cluster without IP reservations. See the My Oracle Support document titled *How to Request Authorized IPs for Provisioning a Java Cloud*

Service with Database Exadata Cloud Service (MOS Note 2163568.1) to submit a request for IP reservations.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs scale-out -s|--service-name serviceName
  -c|--config-payload pathToJson
      [-c|--create-cluster-if-missing true|false]
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToJson`*	Specifies the path to the JSON file containing the information necessary to scale-out a Java Cloud Service instance. The format of this file, as shown in Sample Payloads, is the same as the request body you provide when scaling out a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (scaleout-postrequestm)** section of Scale Out a Service Instance in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payloads

> **Note:**
>
> For descriptions of the parameters in the following samples, see the **Request/Body (scaleout-postrequestm)** section of Scale Out a Service Instance in the *REST API for Oracle Java Cloud Service*

This payload scales out an instance by adding a new application tier cluster.

```
{
   "components": {
      "WLS": {
         "clusters": [
         {
            "clusterName": "ExampleCluster2",
            "type": "APPLICATION_CLUSTER",
            "serverCount": 1
         }],
         "createClusterIfMissing": true
      }
   }
}
```

This payload scales out an instance by adding a new server to an existing application tier cluster.

```
{
   "components": {
      "WLS": {
         "clusters": [
         {
            "clusterName": "ExampleCluster1",
            "type": "APPLICATION_CLUSTER",
            "serverCount": 1
         }],
         "createClusterIfMissing": false
      }
   }
}
```

This payload scales out an existing Coherence caching cluster.

```
{
   "components": {
      "WLS": {
         "clusters": [
         {
            "clusterName": "ExampleDGCluster",
            "type": "CACHING_CLUSTER",
            "serverCount": 3
         }],
         "createClusterIfMissing": false
      }
   }
}
```

This payload scales out the OTD component.

```
{
   "components": {
```

```
      "OTD": {
            "otdServerCount": 1
      }
   }
}
```

This payload scales out a WLS component and specifies an IP reservation name.

```
{
   "components": {
      "WLS": {
         "ipReservations": ["ipres03"],
         "clusters": [
         {
            "clusterName": "ExampleCluster1",
            "type": "APPLICATION_CLUSTER",
            "serverCount": 1
         },
         "createClusterIfMissing": false
      }
   }
}
```

This payload scales out an existing service instance by adding a Coherence caching cluster.

```
{
   "components": {
      "WLS": {
         "clusters": [
         {
            "clusterName": "ExampleClusterDG",
            "type": "CACHING_CLUSTER",
            "serverCount": 3,
            "serversPerNode": 1
         }],
         "createClusterIfMissing": true
      }
   }
}
```

Example

```
psm jcs scale-out -s ExampleInstance -c c://home/templates/scale-out-
payload.json  -of json
{
    "details":{
        "jobId":"34196",
        "message":"JAAS-SCALING-037: Scale out Job (ID: 34196) for
service [Example1Instance] in cluster [Examp_cluster] submitted"
    },
    "status":"New"
```

```
}
Job ID : 34196
```

Note that this command returned a job ID. To see the status of your `scale-out` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34196 -of json
```

When you see the message:

```
    "operationId":364,
    "operationType":"SCALE_OUT",
    "resourceId":1073,
    "resourceName":"example1instance-wls-2",
    "resourceType":"VM",
    "serverType":"WLS",
    "serviceId":364,
    "serviceName":"Example1Instance",
    "serviceType":"jaas",
    "startDate":"2016-04-28T18:00:44.297+0000",
    "status":"SUCCEED",
    "summaryMessage":"Examp_server_2"
}
```

the service was successfully scaled-out.

psm jcs service

This command displays the details of an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs service -s|--service-name serviceName
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	The Oracle Java Cloud Service instance for which you want to display information.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs service -s MyService01 -of json
{
    "auto_update":"true",
    "cluster_name":"MyServic_cluster",
    "compliance_status":"",
    "compliance_status_desc":"",
    "compute_site_name":"abca",
    "content_url":"http://198.51.100.1",
    "created_by":"weblogic",
    "creation_job_id":"8516",
    "creation_time":"Mon Apr 18 17:5:38 UTC 2016",
    "db_info":"MKEJCSIDB11g:1521/ORCL.opcwlaasqa.corpcloud.internal",
    "db_service_name":"MKEJCSIDB11g",
    "deletion_job_id":0,
    "description":"Example Instance 12-2-1 created via REST API",
    "domain_mode":"PRODUCTION",
    "domain_name":"MyServic_domain",
    "edition":"SUITE",
    "error_status_desc":"",
    "fmw_control_url":"https://198.51.100.1:7002/em",
    "identity_domain":"myteam-abca",
    "last_modified_time":"Mon Apr 18 17:5:37 UTC 2016",
    "level":"PAAS",
    "lifecycle_control_job_id":8526,
    "num_ip_reservations":1,
    "num_nodes":1,
    "otd_provisioned":"no",
    "psm_plugin_version":"16.2.3-0-1604090504",
    "sample_app_url":"https://198.51.100.1/sample-app/",
    "secure_content_url":"https://198.51.100.1",
    "service_components":[
        {
            "type":"OTD_JDK",
            "version":"1.8.0_71"
        },
        {
            "type":"WLS",
            "version":"12.2.1.0.160119"
        },
        {
            "type":"OTD",
            "version":"12.2.1.0.0"
        },
        {
            "type":"JDK",
            "version":"1.8.0_71"
        }
    ],
    "service_name":"MyService01",
    "service_uri":"http://myserver.us.mycorp.com:7103/paas/
service/jcs/api/v1.1/instances/myteam-abca/MyService01",
    "shape":"oc3",
```

```
    "status":"Running",
    "subscription_type":"MONTHLY",
    "version":"12cRelease2",
    "wlsVersion":"12.2.1.0.160119",
    "wls_admin_url":"https://198.51.100.1:7002/console",
    "wls_deployment_channel_port":9001
}
```

psm jcs services

This command lists all active service instances within your identity domain. By setting the output level to verbose, you can show all details about each instance; otherwise, this command lists them by name, description, last modified date and time, status, version, WebLogic Server version, and so on.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs services
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-of|--output-formatjson|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Examples

To list all active service instances:

```
$ psm jcs services -of json
{
    "implementation_version":"1.0",
    "service_type":"jaas",
    "services":[
        {
            "auto_update":"true",
            "compliance_status":"",
            "compliance_status_desc":"",
            "created_by":"weblogic",
            "creation_time":"Mon Apr 18 17:5:38 UTC 2016",
            "description":"Example Instance 12-2-1 created via REST API",
            "error_status_desc":"",
            "identity_domain":"myteam-abca",
            "last_modified_time":"Mon Apr 18 17:5:37 UTC 2016",
```

```
            "service_name":"MyJCS",
            "service_uri":"http://myserver.us.mycorp.com:7103/paas/
service/jcs/api/v1.1/instances/myteam-abca/myJCS",
            "status":"Running",
            "version":"12cRelease2",
            "wlsVersion":"12.2.1.0.160119"
        }
    ],
    "uri":"http://myserver.us.mycorp.com:7103/paas/service/jcs/api/
v1.1/instances/myteam-abca"
}
```

psm jcs snapshot

Use this command to display the details of a snapshot defined for an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs snapshot -s|--service-name instance-name
    -n|--snapshot-name snapshot-name
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Java Cloud Service instance.
`-n|--snapshot-name` *`snapshot-name`*	Specifies the name of the snapshot.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm jcs snapshot -s myjcs57-aas -n mysql57-snap1
```

psm jcs snapshots

Lists all the snapshots available for an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs snapshots -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the Java Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

```
$ psm jcs snapshots -s myjcs57-aas
```

psm jcs start

Use this command to start an Oracle Java Cloud Service instance, managed server or load balancer and its associated virtual machines (VMs).

If your Oracle Java Cloud Service instance is based on an HOURLY metering frequency, you will not be charged for the time that the service instance is in a stopped state. .

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs start -s|--service-name serviceName
  -c|--config-payload pathToJson
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToJson`*	Specifies the path to the JSON file containing the information necessary to start a Java Cloud Service instance. The format of this file, as shown in Sample Payload , is the same as the request body you provide when starting a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (stopstart-postrequestm)** section of Stop and Start a Service Instance and Individual VMs in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

> **Note:**
>
> For descriptions of the payload parameters, see the **Request/Body (stopstart-postrequestm)** section of Stop and Start a Service Instance and Individual VMs in the *REST API for Oracle Java Cloud Service*.

This payload starts an entire service instance.

```
{
   "allServiceHosts" : true
}
```

This payload starts a single WLS host.

```
{
   "components": {
      "WLS": {
```

```
            "hosts": ["exampleinstance-wls-2"]
        }
    }
}
```

Examples

```
$ psm jcs start -s Example1Instance -c c://home/templates/start-service-
payload.json -of json
"Accepted"
Job ID : 34346
```

Note that this command returned a job ID. To see the status of your `start` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34346 -of json
```

When you see the message:

```
    "operationId":364,
    "operationType":"START_SERVICE",
    "serviceId":364,
    "serviceName":"Example1Instance",
    "serviceType":"jaas",
    "startDate":"2016-04-28T21:01:28.080+0000",
    "status":"SUCCEED",
    "summaryMessage":"START_SERVICE"
```

the service was successfully started.

psm jcs stop

Use this command to stop an Oracle Java Cloud Service instance, Managed Server or load balancer and its associated virtual machines (VMs).

If your Oracle Java Cloud Service instance is based on an HOURLY metering frequency, you will not be charged for the time that the service instance is in a stopped state.

> **Note:**
>
> If you stop a service instance that has a Coherence cache, you will lose all data in that cache.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs stop -s|--service-name serviceName
      [-c|--config-payload pathToJson]
```

```
[-of|--output-format json|html|short]
[-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToJson`*	Specifies the path to the JSON file containing the information necessary to stop a Java Cloud Service instance. The format of this file, as shown in Sample Payload , is the same as the request body you provide when stopping a Java Cloud Service instance by using the REST API. For information about this format, see the **Request/Body (stopstart-postrequestm)** section of Stop and Start a Service Instance and Individual VMs in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Sample Payload

> **Note:**
>
> For descriptions of the payload parameters, see the **Request/Body (stopstart-postrequestm)** section of Stop and Start a Service Instance and Individual VMs in the *REST API for Oracle Java Cloud Service*.

This payload stops an entire service instance.

```
{
   "allServiceHosts" : true
}
```

This payload stops a single WLS host.

```
{
   "components": {
      "WLS": {
         "hosts": ["exampleinstance-wls-2"]
      }
   }
}
```

Examples

```
$ psm jcs stop -s ExampleInstance -c c://home/templates/stop-instance-
payload.json -of json
"Accepted"
Job ID : 34348
```

Note that this command returned a job ID. To see the status of your `stop` operation, use this ID with the psm jcs operation-status command:

```
$ psm jcs operation-status -j 34348 -of json
```

When you see the message:

```
"operationId":364,
"operationType":"STOP_SERVICE",
"serviceId":364,
"serviceName":"Example1Instance",
"serviceType":"jaas",
"startDate":"2016-04-28T21:08:31.022+0000",
"status":"SUCCEED",
"summaryMessage":"STOP_SERVICE"
```

the service was successfully stopped.

psm jcs update-backup-config

Use this command to update the backup configuration of an Oracle Java Cloud Service instance.

You can update the following details:

- Schedule for full and incremental backups
- Default retention time for incremental backups and full on-demand backups; note that full scheduled backups are retained until their last related incremental backup is no longer available, if any
- URI and user name for the object storage container or bucket that is used to store backups

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs update-backup-config -s|--service-name ServiceName
      [-c|--config-param pathToJson]
      [-of|--output-format json|html|short]
      [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`ServiceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-param` *`pathToJson`*	Specifies the path to the JSON file containing the information necessary to update the backup configuration of a Java Cloud Service instance. The format of this file, as shown in Payload Example, is the same as the request body you provide when updating the backup configuration of a Java Cloud Service instance by using the REST API. For information see the **Request/Body (backupconfig-postrequest)** section of Update the Backup Configuration in the *REST API for Oracle Java Cloud Service*.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Payload Example

> **Note:**
>
> For payload parameter descriptions, see the **Request/Body (backupconfig-postrequest)** section of Update the Backup Configuration in the *REST API for Oracle Java Cloud Service*.

This payload changes the automatic backup schedule. It includes only those parameters that need to be changed.

```
{
   "fullBackupSchedule":
   {
      "hour":"5",
      "dayOfWeek":"Sun"
   },
   "incrementalBackupSchedule":
   {
      "hour":"3"
   }
}
```

To disable a scheduled full or incremental backup, set the `fullBackupSchedule` or `incrementalBackupSchedule` value, respectively, to null. For example:

```
{
   "fullBackupSchedule": null
}
```

> **Note:**
>
> You cannot change the backup configuration when the backup service for the specified service instance is in a DISABLED state.

To disable and re-enable the backup service for a service instance, use the `backups` parameter. When disabled, both on-demand and scheduled automated backups cannot be performed.

This payload disables the backup service for the specified service instance. Note that the request payload should not include other parameters as supported in the backup configuration because you are disabling the backup service.

```
{
    "backups": "DISABLE"
}
```

This sample enables the backup service for the service instance specified by the -s command-line parameter.

```
{
    "backups": "ENABLE"
}
```

Note that the request payload can include other parameters as supported in the backup configuration when you re-enable the backup service.

Example

```
$ psm jcs update-backup-config -s Example1Instance -c c://home/
templates/backup-config-payload.json -of json
{
    "backupDestination":"BOTH",
    "cloudStorageContainer":"Storage-StorageEval01admin/JaaSBackup",
    "cloudStorageUser":"Storageadmin",
    "defaultRetention":"40 days",
    "fullBackupSchedule":{
        "dayOfMonth":"*",
        "dayOfWeek":"Sun",
        "hour":"5",
        "minute":"0",
        "month":"*",
        "second":"0",
        "year":"*"
    },
    "incrementalBackupSchedule":{
        "dayOfMonth":"*",
        "dayOfWeek":"Mon,Tue,Wed,Thu,Fri,Sat",
        "hour":"3",
        "minute":"0",
        "month":"*",
        "second":"0",
        "year":"*"
    },
    "lastBackupDate":"Thu Apr 28 18:22:38 GMT 2016",
    "nextFullBackupDate":"Sun May 01 05:00:00 GMT 2016",
    "nextIncrementalBackupDate":"Fri Apr 29 03:00:00 GMT 2016",
    "percentBackupVolumeUsed":0.0033531999215483665,
    "totalBackupVolumeUsed":"6.9MB",
    "totalBackupVolumeUsedInBytes":7200942,
    "totalCloudStorageContainerUsed":"6.9MB",
    "totalCloudStorageContainerUsedInBytes":7200942
}
```

psm jcs update-db-credentials

This command updates the password used by an Oracle Java Cloud Service instance to access the Oracle schemas in the infrastructure database.

When a service instance is created, Oracle Java Cloud Service also creates the required schemas in the selected database. By default the schema password is set to the same value as the WebLogic Server administrator password, which you specify during the provisioning of your service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs update-db-credentials -s|--service-name serviceName
  -c|--config-payload pathToJsonPayload
  [-wc|--wait-until-complete true|false]
  [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise specified.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-c|--config-payload` *`pathToJsonPayload`*	Specifies the path to a JSON file that contains the administrator credentials for the service instance's infrastructure database, along with the new password for the service instance's schemas in this database. The format of this file, as shown in the Sample Payload, is the same as the request body you provide when using the REST API. For information about this format, see Change the Database Schema Password in *REST API for Oracle Java Cloud Service*.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Sample Payload

> **Note:**
>
> For a description of the payload parameters, see Change the Database Schema Password in *REST API for Oracle Java Cloud Service*.

```
{
    "components": {
        "WLS": {
            "dbaName": "db_admin_username",
            "dbaPassword": "db_admin_password",
            "schemaPassword": "new_schema_password"
        }
    }
}
```

Example

```
$ psm jcs update-db-credentials -s ExampleInstance -c /home/templates/
update-db-creds-payload.json
```

psm jcs update-service

Use this command to assign tags to an existing service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs service -s|--service-name serviceName
       [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	The Oracle Java Cloud Service instance for which you want to display information.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

.

Sample Payloads

This shows the payload to assign a tag and to delete a tag.

```
{
    "tags":[
        {
            "key":"",
            "value":"",
            "isPlacementTag":""
        }
    ],
    "tagsToUnassign":[
        {
            "key":"",
            "value":"",
            "isPlacementTag":""
        }
    ]
}
```

Example

```
$ psm jcs update-service -s MyService01
```

```
{
  "tagsToAssign": [
    {
      "key": "environment",
      "value": "qa"
    },
    {
      "key": "environment",
      "value": "development"
    }
  ],
  "tagsToUnassign": [
    {
      "key": "environment",
      "value": "qa-other"
    }
  ],
  "createAssignmentsTo": {
    "services": [
      {
        "serviceType": "JaaS",
        "serviceName": "MyJCSExample"
      }
    ]
  },
  "deleteAssignmentsFrom": {
    "services": [
      {
```

```
        "serviceType": "JaaS",
        "serviceName": "MyJCS01"
      }
    ]
  }
}
```

psm jcs view-backup

This command displays the backup of an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs view-backup -s|--service-name serviceName
  -b|--backup-id backupID
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameters	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-b|--backup-id` *`backupID`*	Identifier for the backup you want to view.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs view-backup -s Example1Instance -b 1461867758288 -of json
{
    "backupCompleteDate":"Thu Apr 28 18:23:43 GMT 2016",
    "backupId":"1461867758288",
    "backupStartDate":"Thu Apr 28 18:22:38 GMT 2016",
    "databaseIncluded":false,
    "expirationDate":"Sat May 28 18:22:38 GMT 2016",
    "full":true,
    "href":"http://myserver.mycorp.com:7103/paas/service/jcs/api/v1.1/
instances/myteamabca/Example1Instance/backups/1461867758288",
    "initiatedBy":"weblogic",
    "jobHistory":[
        {
            "completeDate":"Thu Apr 28 18:23:43 GMT 2016",
            "jobId":"34207",
            "operation":"backup",
```

```
            "startDate":"Thu Apr 28 18:22:38 GMT 2016",
            "status":"Completed",
            "statusDetails":"Backup health check passed...Locked the
WebLogic Server domain configuration...Started the backup of configuration
data for WebLogi
c Server managed servers on these hosts: ['edsexample1instance-wls-2',
'edsexample1instance-wls-1']...Completed the backup of configuration data
for WebLogic Se
rver managed servers on these hosts: edsexample1instance-wls-2
edsexample1instance-wls-1 ...Unlocked the WebLogic Server domain
configuration...Uploading the ba
ckup archive to the Oracle Storage Cloud Service container...Uploaded the
backup archive to the Oracle Storage Cloud Service container..."
        }
    ],
    "jobId":"34207",
    "local":false,
    "localCopy":true,
    "serviceComponents":[
        {
            "type":"JDK",
            "version":"1.8.0_71"
        },
        {
            "type":"OTD",
            "version":"12.2.1.0.0"
        },
        {
            "type":"OTD_JDK",
            "version":"1.8.0_71"
        },
        {
            "type":"WLS",
            "version":"12.2.1.0.160219"
        }
    ],
    "size":"3.3MB",
    "sizeInBytes":3462606,
    "status":"Completed"
}
```


psm jcs view-backup-config

This command lists backup configurations of Oracle Java Cloud Service instances.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs view-backup-config -s|--service-name serviceName
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs view-backup-config -s ExampleInstance -of json
{
    "backupDestination":"BOTH",
    "cloudStorageContainer":"Storage-Storage-Eval01admin/JaaSBackup",
    "cloudStorageUser":"Storageadmin",
    "defaultRetention":"30 days",
    "fullBackupSchedule":{
        "dayOfMonth":"*",
        "dayOfWeek":"Fri",
        "hour":"5",
        "minute":"25",
        "month":"*",
        "second":"0",
        "year":"*"
    },
    "incrementalBackupSchedule":{
        "dayOfMonth":"*",
        "dayOfWeek":"Sun,Mon,Tue,Wed,Thu,Sat",
        "hour":"5",
        "minute":"25",
        "month":"*",
        "second":"0",
        "year":"*"
    },
    "lastBackupDate":"Thu Apr 28 18:22:38 GMT 2016",
    "nextFullBackupDate":"Fri Apr 29 05:25:00 GMT 2016",
    "nextIncrementalBackupDate":"Sat Apr 30 05:25:00 GMT 2016",
    "percentBackupVolumeUsed":0.0033531999215483665,
    "totalBackupVolumeUsed":"6.9MB",
    "totalBackupVolumeUsedInBytes":7200942,
    "totalCloudStorageContainerUsed":"6.9MB",
    "totalCloudStorageContainerUsedInBytes":7200942
}
```

psm jcs view-backups

This command lists all backups of an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs view-backups -s|--service-name serviceName
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameters	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs view-backups -s ExampleInstance -of json
{
    "backups":[
        {
            "backupCompleteDate":"Thu Apr 28 17:45:33 GMT 2016",
            "backupId":"1461865468064",
            "backupStartDate":"Thu Apr 28 17:44:28 GMT 2016",
            "databaseIncluded":false,
            "expirationDate":"Sat May 28 17:44:28 GMT 2016",
            "full":true,
            "href":"http://myserver.us.mycorp.com:7103/paas/service/jcs/api/
v1.1/instances/myteamabca/Example1Instance/backups/1461865468064",
            "initiatedBy":"weblogic",
            "jobId":"34188",
            "local":false,
            "localCopy":true,
            "notes":"Backup for applying patch...",
            "serviceComponents":[
                {
                    "type":"JDK",
                    "version":"1.8.0_71"
                },
                {
                    "type":"OTD",
                    "version":"12.2.1.0.0"
                },
                {
```

```
                    "type":"OTD_JDK",
                    "version":"1.8.0_71"
                },
                {
                    "type":"WLS",
                    "version":"12.2.1.0.160119"
                }
.
.
.
            "size":"3.3MB",
            "sizeInBytes":3462606,
            "status":"Completed"
        }
    ]
}
```

psm jcs view-restore

Use this command to list a specified restore operation for an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs view-restore -s|--service-name serviceName
  -j|--job-id jobId
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-j|--job-id` *`jobId`*	Job ID of the restore operation. To retrieve the job ID, use `view-restores`command.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs view-restore -s Example1Instance -j 34276 -of json
{
    "backupDate":"Thu Apr 28 18:22:38 GMT 2016",
    "backupId":"1461867758288",
```

```
    "configDataIncluded":true,
    "databaseIncluded":false,
    "jobId":"34276",
    "otdIncluded":false,
    "recoveryCompleteDate":"Thu Apr 28 19:51:02 GMT 2016",
    "recoveryStartDate":"Thu Apr 28 19:45:41 GMT 2016",
    "staticDataIncluded":false,
    "status":"Completed",
    "statusDetails":"The backup archive already exists in the block storage
and does not need to be downloaded from the Oracle Storage Cloud Service
container..
.Submitted the restoration precheck for remote execution...Restoration
precheck passed...Submitted the restoration for remote execution...The
instance has been
scaled in to remove the following managed servers: ['edsexample1instance-
wls-2']. You must manually remove these managed servers from the
cluster...Stopping Web
Logic Server...Stopped WebLogic Server...Restoring the configuration data
for WebLogic Server administration server on host edsexample1instance-
wls-1...Restored
 the configuration data for WebLogic Server administration server on host
edsexample1instance-wls-1...Starting WebLogic Server...Started WebLogic
Server...Unloc
ked the WebLogic Server domain configuration...Completed the restoration"
}
```

psm jcs view-restores

Use this command to list all restore operations for an Oracle Java Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm jcs view-restores -s|--service-name serviceName
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-s|--service-name` *`serviceName`*	Name of the Oracle Java Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Output format of the command's response: **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm jcs view-restores -s Example1Instance -of json
{
    "restoreHistory":[
        {
            "backupDate":"Thu Apr 28 18:22:38 GMT 2016",
            "backupId":"1461867758288",
            "configDataIncluded":true,
            "databaseIncluded":false,
            "jobId":"34276",
            "otdIncluded":false,
            "recoveryCompleteDate":"Thu Apr 28 19:51:02 GMT 2016",
            "recoveryStartDate":"Thu Apr 28 19:45:41 GMT 2016",
            "staticDataIncluded":false,
            "status":"Completed",
            "statusDetails":"The backup archive already exists in the
block storage and does not need to be downloaded from the Oracle
Storage Cloud Service con
tainer...Submitted the restoration precheck for remote
execution...Restoration precheck passed...Submitted the restoration
for remote execution...The instance h
as been scaled in to remove the following managed servers:
['edsexample1instance-wls-2']. You must manually remove these managed
servers from the cluster...Stop
ping WebLogic Server...Stopped WebLogic Server...Restoring the
configuration data for WebLogic Server administration server on host
edsexample1instance-wls-1...
Restored the configuration data for WebLogic Server administration
server on host edsexample1instance-wls-1...Starting WebLogic
Server...Started WebLogic Server
...Unlocked the WebLogic Server domain configuration...Completed the
restoration"
        }
    ]
}
```

13
psm MySQLCS Commands

The `psm MySQLCS` commands perform various life-cycle and administration operations on MySQL Cloud Service instances.

Category	Command
Service Instance	psm MySQLCS add-ssh-public-key — update the SSH key used by a service instance. psm MySQLCS clone-service—creates a clone of a service instance from a snapshot of an existing service instance. psm MySQLCS create-service – creates a service instance. psm MySQLCS delete-service – deletes a service instance. psm MySQLCS restart – restarts the compute node on which the service instance is running. psm MySQLCS services – lists all active service instances within your identity domain. psm MySQLCS service – lists details about a specified service. psm MySQLCS stop – stops a running service instance. psm MySQLCS start – starts a service instance.
Snapshots	psm MySQLCS create-snapshot- creates a snapshot of a service instance. psm MySQLCS delete-snapshot- deletes a snapshot of a service instance. psm MySQLCS snapshot- lists details of a specific snapshot. psm MySQLCS snapshots- lists all available snapshots of a service instance.
Access Rules	psm MySQLCS access-rules– lists all access rules associated with a service instance. psm MySQLCS create-access-rule – creates access rules for a service instance. psm MySQLCS delete-access-rule – deletes access rules for a service instance. psm MySQLCS enable-access-rule – enables access rules for a service instance. psm MySQLCS disable-access-rule – disables access rules for a service instance.
Scaling	psm MYSQLCS add-storage – Extend storage volumes of an Oracle MySQL Cloud Service instance. psm MySQLCS scale – changes the compute shape of the specified compute node.
Backup Configuration	psm MySQLCS update-backup-config – updates the backup configuration of the specified service instance. psm MySQLCS view-backup-config – lists the backup configuration of the specified service instance.
Backups	psm MySQLCS backup – initiates the backup of the specified service instance. psm MySQLCS delete-backup – deletes a backup of a service instance. psm MySQLCS view-backup – displays the backup of a service instance. psm MySQLCS view-backups – lists all backups of a service instance.

Category	Command
Restore	psm MySQLCS restore – restores a service instance from the specified backup. psm MySQLCS view-restore – lists a specified restore operation for a service instance. psm MySQLCS view-restores – lists a specified restore operation for a service instance.
Patches	psm MySQLCS applied-patches – lists all patches applies to service instance. psm MySQLCS available-patches – lists all patches available for a service instance. psm MySQLCS patch – applies a patch to a service instance. psm MySQLCS precheck-patch – identifies potential issues that might prevent the specified patch from completing successfully. psm MySQLCS rollback – rolls back a patch for a service instance.
Status	psm MySQLCS operation-status – shows the status of a service instance operation. psm MySQLCS activities – displays all activities of a service instance. psm MySQLCS check-health — displays the current health status of the service instance.

psm MySQLCS access-rules

List the access rules defined for an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS access-rules -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists access rules applied to the `mysql57-aas` instance.

```
$ psm MySQLCS access-rules --service-name mysql57-aas
```

psm MySQLCS activities

Lists the activities of an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS activities -s|--service-name instance-name
    [-f|--from-start-date date]
    [-t|--to-start-date date ]
    [-a|--status NEW|RUNNING|SUCCEED|FAILED|WARN ]
    [-o|--operation-type LIST ]
    [-l|--limit-row-count integer ]
    [-e|--offset  ]
    [-d|--order-by fieldName ]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`–f|--from-start-date`	Retrieve activities performed after this date. Specifies the start of a range. If no end date is defined, the current date is used. Supported formats are ISO date and time formats: • `yyyy-MM-dd'T'HH:mm:ss` • `yyyy-MM-dd HH:mm:ss` • `yyy-MM-dd`
`–t|--to-start-date`	Specifies the end of a range. Can be used with `from-start-range`.
`–a|–status`	Specifies the types of activity required. Valid values are `NEW|RUNNING|SUCCEED|FAILED|WARN`.
`–o|--operation-type`	Specifies the types of operation required.
`-l|--limit-row-count`	Specifies how many rows of results to return. The default is 10.
`-e|--offset`	Defines the number of activities to display. If the offset is set to 3, and 5 activities are returned, only the last 3 activities are displayed. This can be combined with `limit-row-count` to further restrict the number of activities in the result set.
`-d|--order-by`	Filter criteria to sort the result set. Defined as `fieldName: asc|desc`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example requests the failed activities of the `MySQL57-aas` instance, from 01 September 2016, to 31 October 2016:

```
$ psm MySQLCS activities -s MySQL57-aas -f 2016-09-01 -t 2016-10-31 -a
FAILED
```

psm MySQLCS add-ssh-public-key

Adds a new public SSH key to the MySQL Cloud Service instance. This overwrites the existing SSH key with the new one.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS add-ssh-public-key -s|--service-name instance-name
    -c|--credential-name vmspublickey
    -k|--public-key "ssh-rsa ......."
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the instance.
`-c|--credential-name` *`vmspublickey`*	A string which identifies the new SSH key. Currently, the only value you can use is `vmspublickey`
`-k|--public-key` *`"ssh-rsa ....."`*	Sets the new key. Add the contents of the public key file.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example updates the SSH key of the `MySQL57-aas` instance:

```
$ psm MySQLCS add-ssh-publickey -s MySQL57-aas
    --credential-name vmspublickey
    --public-key "ssh-rsa AAAA..."
```

psm MySQLCS add-storage

Extend storage volumes of a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS add-storage -s|--service-name instance-name
    -c|--config-payload path-to-json-payload
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-c|–config-payload`	Specifies the path to the JSON payload file.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The json payload has the following syntax:

```
{
    "allServiceHosts":"",
    "components":{
        "mysql":{
         "dataStorage":"",
         "backupStorage":"",
         "MySQLLogStorage":"",
         "hosts":"[]"
        }
    }
}
```

Parameter	Description
`allServiceHosts`	(Optional) set to `True` to apply the command to all host names associated with the service name.
`components`	Container for the MySQL component and host information.
`mysql`	The service type.
`dataStorage`	Increased storage for data. Specify a value in GB up to 1024 GB.
`backupStorage`	Increased storage for local backup. Specify a value in GB up to 2000 GB. **Note:** This value should be set only if backup was defined when the service was created.
`MySQLLogStorage`	Increased storage for MySQL Logs. Specify a value in GB up to 1024 GB.
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named MySQL57–aas, the host name takes the format mysql57–aas-mysql-1.

Examples

The following example extends each storage volume by 100GB in the `MySQL57-aas` instance.

```
$ psm MySQLCS add-storage -s MySQL57-aas -c /tmp/add-storage-payload.json
```

The payload for this command is similar to the following:

```
{
    "components":{
        "mysql":{
            "dataStorage":"100",
            "backupStorage":"100",
            "MySQLLogStorage":"100",
            "hosts":"[mysql57-aas-mysql-1]"
        }
    }
}
```

psm MySQLCS applied-patches

List all patches that have been applied to an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS applied-patches -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches applied to the `MySQL57-aas` instance.

```
$ psm MySQLCS applied-patches --service-name MySQL57-aas
```

psm MySQLCS available-patches

List all patches available to be applied to an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS available-patches -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists patches available for the `MySQL57-aas` instance.

```
$ psm MySQLCS available-patches --service-name MySQL57-aas
```

psm MySQLCS backup

Performs an on-demand backup of an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS backup -s|--service-name instance-name
    [-a|--backup-type FULL] [--keep-forever true|false]
    [-n|--notes "notes"]
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-a|--backup-type`	(Optional) Specifies the type of backup. Only `FULL` is supported at this time.
`–k|--keep-forever true|false`	(Optional) Specifies if the backup should be kept past the defined backup expiry date. Default value is false.
`–n|--notes`	(Optional) Enables the addition of explanatory notes. Notes must be enclosed in quotation marks.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example performs a full backup on `MySQL57-aas` instance, specifying that the backup be kept past the default expiration date.

```
$ psm MySQLCS backup --service-name MySQL57-aas --backup-type FULL --keep-
forever true --notes "full backup before migration"
```

psm MySQLCS check-health

Display health monitoring information about a single MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS check-health -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays health information about the `MySQL57-aas` instance using the `short` output format.

```
$ psm MySQLCS check-health --service-name MySQL57-aas -of short
 Status:        UP
 Message:       Running
 Checked At:    2017-03-31T15:44:50.661+00:00
```

psm MySQLCS clone-service

Create a clone MySQL Cloud Service instance from a snapshot of an existing instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS clone-service -c|--config-payload path-to-json-file
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the information necessary to create an MySQL Cloud Service clone from an existing instance. The format of this file is the same as the request body you provide when creating an instance using the REST API. . The parameters of the payload are similar to those of the psm MySQLCS create-service , but the following parameters cannot be changed for the clone: • serviceLevel • serviceVersion • edition • dbstorage • mysqlCharset • ibkupFile • ibkupCloudStorageUser • ibkupCloudStoragePassword **Note:** If MySQL Enterprise Manager is enabled in the source, it is enabled in the snapshot also, and cannot be disabled in any clones made from that snapshot. If it is not enabled, it is not possible to enable it in the clone.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The JSON payload has the following syntax:

```
{
    "backupDestination":"backup-types",
    "cloudStorageContainer":"name-of-container",
    "cloudStorageUser":"storage-username",
    "cloudStoragePassword":"storage-user-password",
    "cloudStorageContainerAutoGenerate":"",
```

```
    "useHighPerformanceStorage":"true-or-false",
    "vmPublicKeyText":"contents-of-public-ssh-key",
    "serviceName":"nameoftheservice",
    "serviceDescription":"description of the service",
    "tags":[
            {
                "key":"required",
                "value":""
            }
      ],
    "ipNetwork":"name-of-IP-network",
    "subnet":"name-of-subnet",
    "region":"name-of-region",
    "availabilityDomain":"name-of-OCI-data-center",
    "serviceLevel":"PAAS",
    "vmUser":"opc",
    "enableNotification":"",
    "notificationEmail":"",
    "sourceServiceName":"required",
    "snapshotName":"",
    "noRetry":"",
    "components": {
      "mysql": {
       "shape": "oracle-compute-shape",
       "mysqlUserName": "mysql-server-username",
       "mysqlUserPassword": "mysql-server-user-password",
       "dbName": "name-of-database",
       "mysqlEMPort":"tomcat-listening-port",
       "enterpriseMonitor":"yes-or-no",
       "enterpriseMonitorManagerUser":"admin-username",
       "enterpriseMonitorManagerPassword":"admin-user-password",
       "enterpriseMonitorAgentUser":"agent-username",
       "enterpriseMonitorAgentPassword":"agent-user-password",
       "ipReservations":[]
    }
  }
}
```

Parameter	Description
`serviceName`	Name of the MySQL Cloud Service instance. The service name: • Must not exceed 50 characters. • Must start with a letter. • Must contain only letters, numbers, or hyphens. • Must not contain any other special characters. • Must be unique within the identity domain.
`serviceDescription`	Free-form text that provides additional information about the service instance.

Parameter	Description

`tags`	Array. Enables tagging of the instance with keys or key:value pairs. For example:
	
	`"tags":[`
	`{`
	`"key":"Owner",`
	`"value":"John"`
	`},`
	`{`
	`"key":"Department",`
	`"value":"Quality"`
	`},`
	`{`
	`"key":"Server1",`
	`},`
	`],`

`vmPublicKeyText`	File that contains the public key for the secure shell (SSH). This key will be used for authentication when connecting to the MySQL Cloud Service instance using an SSH client. For example: `"VMsPublicKey" : "ssh-rsa AAA..."` You generate the SSH key using SSH key-generation tools or by using the SSH key-generation in the **Provision New Oracle MySQL Cloud Service** wizard.
`vmUser`	This must be set to `opc`, the default administration user for the instance.
`enableNotification`	Set to `true` to enable service-level notifications. If this is set, you must specify an email address in the `notificationEmail` field. Notifications related to the success or failure of service creation are sent to the email address.
`notificationEmail`	Email address to which service—level notifications are sent. `enableNotification` must be set to `true` .
`ipNetwork`	Specify the name of IP Network for your service. IP Networks can be created using Compute Console or REST API. To place your service in shared network, do not include this parameter in your payload.
`region`	Applicable only to accounts which support regions. Name of the region where the MySQL Cloud Service instance is to be provisioned. (Not applicable in Oracle Cloud Infrastructure) A region name must be specified if you intend to use `ipReservations` or `ipNetwork`.

Parameter	Description
subnet	This parameter is relevant to Oracle Cloud Infrastructure, only. Specify the Oracle Cloud Identifier (OCID) of a subnet from a virtual cloud network (VCN) that you had created previously in Oracle Cloud Infrastructure. For more information, see Prerequisites for Oracle Platform Services on Oracle Cloud Infrastructure in the Oracle Cloud Infrastructure documentation.
availabilityDomain	This attribute is available only on Oracle Cloud Infrastructure. It is required along with region and subnet. Name of a data center location in the Oracle Cloud Infrastructure region that is specified in region. A region is a localized geographic area, composed of one or more availability domains (data centers). The availability domain value format is an account-specific prefix followed by <region>-<ad>. For example, FQCn:US-ASHBURN-AD1 where FQCn is the account-specific prefix. See Regions and Availability Domains in the Oracle Cloud Infrastructure Services documentation.
noRetry	If the first attempt to create an instance fails, the system automatically tries again. If the first attempt fails, and this parameter is set to true, no further attempts are made to create the instance. Default value is false.
backupDestination	A string containing the backup configuration for the service instance: • BOTH—Configure backups to local storage on the service instance and to an Oracle Storage Cloud container; corresponding to the, Both Cloud Storage and Local Storage backup destination in the **Provision New Oracle MySQL Cloud Service** wizard. • NONE—Configure no backups; that is, the None backup destination.
cloudStorageContainer	A string containing the Oracle Storage Cloud container for backups. This string has the form: *instance-id_domain/container* where *instance* is the name of the Oracle Storage Cloud Service instance, *id_domain* is the name of the identity domain, and *container* is the name of the container. Include this parameter only if the backupDestination is "BOTH".
cloudStorageUser	The user name of an Oracle Cloud user with read/write access to the specified cloudStorageContainer. Include this parameter only if the backupDestination is "BOTH".
cloudStoragePassword	A string containing the password of the specified cloudStorageUser. Include this parameter only if the backupDestination is "BOTH".

Parameter	Description
`cloudStorageContainerAutoGenerate`	Whether to create the storage container, or not. This creates the storage container, if an existing container, using the details defined, does not exist. Boolean value, `yes` or `no`.
`useHighPerformanceStorage`	Set this to `true` to use high performance storage. With this option the storage attached to nodes use SSDs (solid state drives) instead of HDDs (hard disk drives). Use this option for performance-critical workloads. An additional cost is associated with this type of storage.
`sourceServiceName`	The name of the service the snapshot is based on.
`snapshotName`	The name of the snapshot to base the new service on. If no snapshot name is provided, the latest snapshot of the named source service is used.
`shape`	A string containing the Oracle Compute Cloud shape for the service instance: • `oc3` — 1 OCPU with 7.5 GB RAM • `oc4` — 2 OCPUs with 15 GB RAM • `oc5` — 4 OCPUs with 30 GB RAM • `oc6` — 8 OCPUs with 60 GB RAM • `oc7` — 16 OCPUs with 120 GB RAM • `oc1m` — 1 OCPU with 15 GB RAM • `oc2m` — 2 OCPUs with 30 GB RAM • `oc3m` — 4 OCPUs with 60 GB RAM • `oc4m` — 8 OCPUs with 120 GB RAM • `oc5m` — 16 OCPUs with 240 GB RAM
`mysqlUserName`	The MySQL Server user name. The default value is `root`.
`mysqlUserPassword`	The MySQL Server user's password.
`mysqlPort`	The port the MySQL server listens on. The default is 3306.
`mysqlEMPort`	The port the MySQL Enterprise Monitor's application server, Apache Tomcat, listens on. By default, this is `18443`. By default, an access rule is created for MySQL Enterprise Monitor, called **ora_p2admin_em**. You must enable this access rule to access MySQL Enterprise Monitor. **Note:** If you define a port other than 18443, you must create a new access rule, and configure it to use the required port. The new access rule must use the same configuration as **ora_p2admin_em**, but with the new port instead of 18443.

Parameter	Description
`enterpriseMonitor`	**Note:** If MySQL Enterprise Manager is enabled in the source, it is enabled in the snapshot also, and cannot be disabled in any clones made from that snapshot. If it is not enabled, it is not possible to enable it in the clone.
`enterpriseMonitorManagerUser`	The name of the MySQL Enterprise Monitor's Manager user. This is the user who configures the installation, adds users, manages the MySQL Enterprise Service Manager, and so on.
`enterpriseMonitorManagerPassword`	The password for the Manager User. The password you enter: • Must be 8 to 30 characters in length. • Must contain at least one lowercase letter • Must contain at least one uppercase letter • Must contain at least one number • Must contain at least one of these symbols: _ (underscore), # (hash sign), or $ (dollar sign).

Parameter	Description
`enterpriseMonitorAgentUser`	The name of the Agent user. **Note:** No agent installations are provided at this time. It is currently only possible to install the MySQL Enterprise Service Manager, which can monitor any MySQL instances, local or remote, using a built-in agent.. If you want to monitor MySQL instances installed on other MySQL Cloud Service instances, you can configure the MySQL Service Manager to monitor them, but cannot monitor a remote host's operating system, file system, or network interfaces. Although agent installations are not currently provided, it is mandatory to define an Agent User and Password to properly configure the MySQL Enterprise Monitor. These parameters can be changed later.
`enterpriseMonitorAgentPassword`	The password for the Agent User. The password you enter: • Must be 8 to 30 characters in length. • Must contain at least one lowercase letter • Must contain at least one uppercase letter • Must contain at least one number • Must contain at least one of these symbols: _ (underscore), # (hash sign), or $ (dollar sign).
`ipReservations`	Specify the IP Addresses reserved for the service.

Examples

The following example creates a clone based on a snapshaot as specified by information provided in the `create_MySQL57.json` file.

```
$ psm MySQLCS clone-service --config-payload clone_MySQL57.json
"Accepted"
Job ID : 553993
```

> **Note:**
>
> You can track the progress of this command using the operation-status command.

The following shows an example of the payload file:

```
{
    "serviceName":"MySQL57Service",
    "serviceDescription":"mysql cloud service payload",
    "tags":[
            {
                "key":"Owner",
                "value":"John"
            },
            {
                "key":"Department",
                "value":"Quality"
            },
            {
                "key":"Server1",
            },
      ],
    "vmPublicKeyText":"ssh-rsa AAAAB3Nz...",     # key truncated for
readability
    "enableNotification":"yes",
    "notificationEmail":"service.owner@oracle.com",
    "backupDestination":"BOTH",
    "cloudStorageContainer":"Storage-Storage/MySQLProvisioning",
    "cloudStorageUser":"StorageUser",
    "cloudStoragePassword":"PasswordStorage",
    "sourceServiceName":"MySQL57-aas",
    "snapshotName":"MySQL57-aas-snapshot1",
    "components":{
     "mysql":{
       "shape":"oc1m"
       "mysqlUserName":"root",
       "mysqlUserPassword":"adminPassword$"
      }
   }
}
```

psm MySQLCS create-access-rule

Create an access rule for the specified MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS create-access-rule -s|--service-name instance-name
     -r|--rule-name access-rule-name
     -c|--config-payload path-to-json-payload
     [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-c|--config-payload`	Specifies the path to the json payload file. The payload contains the access rule specification.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The json payload has the following syntax:

```
{
  "ruleName": "name-of-rule",
  "description": "brief-description-of-rule",
  "source": "source-ip-address",
  "destination": "destionation-address",
  "ports": "port-or-range-of-ports",
  "status": "enabled-or-disabled"
}
```

Parameter	Description
`ruleName`	The name of the rule. Alphanumeric characters, only. Spaces and special characters are not permitted.
`description`	(Optional) Text description of the rule. Spaces and special characters are permitted.

Parameter	Description
`source`	The source can be an IP address or range of IP addresses: • IP address: any IP address of the following format : `XXX.XXX.XXX.XXX`. For example: `10.233.233.01` • IP range: IP addresses of the following format: `XXX.XXX.XXX.XXX/XXX`. For example: `10.233.233.01/50` permits every IP address in the defined range to access the defined port.
`destination`	Only `mysql_MASTER` can be used here.
`ports`	The port number.
`status`	Status of the access rule. Possible values are `enabled` or `disabled`.

Examples

The following example creates an access rule for the service named`MySQL57-aas` with the following parameters:

- Rule name: AccRule1
- Port: 5900
- Source: Any IP address in the range 192.168.0.1 to 192.168.0.32.
- Destination: mysql_MASTER

```
$ psm MySQLCS create-access-rule -s MySQL57-aas -c /tmp/create-access-rule.json
```

where the JSON payload contains the following:

```
{
 "ruleName": "AccRule1",
  "description": "Permit public access to port 5900",
  "destination": "mysql_MASTER",
  "ports": "5900",
  "source": "192.168.0.1/32",
  "status": "disabled"
}
```

psm MySQLCS create-service

Create a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS create-service -c|--config-payload path-to-json-file
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-c|--config-payload` *`path-to-json-file`*	Specifies the path to a JSON file containing the instance-creation information necessary to create a MySQL Cloud Service instance. The format of this file is the same as the request body you provide when creating an instance using the REST API. .
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The JSON payload has the following syntax:

```
{
    "backupDestination":"backup-types",
    "cloudStorageContainer":"name-of-container",
    "cloudStorageUser":"storage-username",
    "cloudStoragePassword":"storage-user-password",
    "useHighPerformanceStorage":"true-or-false",
    "serviceName":"name-of-the-service",
    "serviceDescription":"description-of-the-service",
    "serviceLevel":"PAAS",
    "tags":[
            {
                "key":"required",
                "value":""
            }
      ],
    "serviceVersion":"5.7",
    "vmPublicKeyText":"contents-of-public-ssh-key",
    "serviceLevel":"PAAS",
    "serviceVersion":"5.7",
```

```
    "vmUser":"opc",
    "ipNetwork":"name-of-IP-network",
    "subnet":"name-of-subnet",
    "region":"name-of-region",
    "availabilityDomain":"name-of-OCI-data-center",
    "enableNotification":"true-or-false",
    "notificationEmail":"email-address-for-notifications",
    "noRetry":"",
    "components": {
         "mysql": {
            "shape":"oracle-compute-shape",
            "mysqlUserName":"mysql-server-username",
            "mysqlUserPassword":"mysql-server-user-password",
            "dbName":"name-of-database",
            "dbStorage":"size-of-database-gb",
            "mysqloptions":"comma-separated-options-list",
            "mysqlCharset":"name-of-charset",
            "mysqlCollation":"name-of-collation",
            "timezone":"name-of-timezone",
            "mysqlPort":"mysql-server-listening-port",
            "mysqlEMPort":"tomcat-listening-port",
            "enterpriseMonitor":"yes-or-no",
            "enterpriseMonitorManagerUser":"admin-username",
            "enterpriseMonitorManagerPassword":"admin-user-password",
            "enterpriseMonitorAgentUser":"agent-username",
            "enterpriseMonitorAgentPassword":"agent-user-password"
    }
  }
}
```

Parameter	Description
`serviceName`	Name of MySQL Cloud Service instance. The service name: • Must not exceed 50 characters. • Must start with a letter. • Must contain only letters, numbers, or hyphens. • Must not contain any other special characters. • Must be unique within the identity domain.
`serviceLevel`	Service level. The only currently supported value is: • `"PAAS"`—Production-level service. Supports MySQL Cloud Service instance creation and monitoring; backup and restoration; patching; and scaling. This is the default.
`serviceDescription`	Free-form text that provides additional information about the service instance.
`serviceVersion`	MySQL Cloud Service version. The only currently supported value is `5.7`.

Parameter	Description

`tags`	Array. Enables tagging of the instance with keys or key:value pairs. For example:
	
	`"tags":[`
	`{`
	`"key":"Owner",`
	`"value":"John"`
	`},`
	`{`
	`"key":"Department",`
	`"value":"Quality"`
	`},`
	`{`
	`"key":"Server1",`
	`},`
	`],`

`useHighPerformanceStorage`	Set this to `true` to use high performance storage. With this option the storage attached to nodes use SSDs (solid state drives) instead of HDDs (hard disk drives). Use this option for performance-critical workloads. An additional cost is associated with this type of storage.
`vmPublicKeyText`	File that contains the public key for the secure shell (SSH). This key will be used for authentication when connecting to the MySQL Cloud Service instance using an SSH client. For example: `"VMsPublicKey" : "ssh-rsa AAA..."` You generate the SSH key using SSH key-generation tools or by using the SSH key-generation in the **Create Service** wizard.
`vmUser`	This must be set to `opc`, the default administration user for the instance.
`enableNotification`	Set to `true` to enable service-level notifications. If this is set, you must specify an email address in the `notificationEmail` field. Notifications related to the success or failure of service creation are sent to the email address.
`notificationEmail`	Email address to which service—level notifications are sent. `enableNotification` must be set to `true` .
`ipNetwork`	Specify the name of IP Network for your service. IP Networks can be created using Compute Console or REST API. To place your service in shared network, do not include this parameter in your payload.

Parameter	Description
`region`	Applicable only to accounts which support regions. Name of the region where the MySQL Cloud Service instance is to be provisioned. (Not applicable in Oracle Cloud Infrastructure) A region name must be specified if you intend to use `ipReservations` or `ipNetwork`.
`subnet`	This parameter is relevant to Oracle Cloud Infrastructure, only. Specify the Oracle Cloud Identifier (OCID) of a subnet from a virtual cloud network (VCN) that you had created previously in Oracle Cloud Infrastructure. For more information, see Prerequisites for Oracle Platform Services on Oracle Cloud Infrastructure in the Oracle Cloud Infrastructure documentation.
`availabilityDomain`	This attribute is available only on Oracle Cloud Infrastructure. It is required along with `region` and `subnet`. Name of a data center location in the Oracle Cloud Infrastructure region that is specified in region. A region is a localized geographic area, composed of one or more availability domains (data centers). The availability domain value format is an account-specific prefix followed by `<region>-<ad>`. For example, `FQCn:US-ASHBURN-AD1` where `FQCn` is the account-specific prefix. See Regions and Availability Domains in the Oracle Cloud Infrastructure Services documentation.
`noRetry`	If the first attempt to create an instance fails, the system automatically tries again. If the first attempt fails, and this parameter is set to `true`, no further attempts are made to create the instance. Default value is `false`.
`backupDestination`	A string containing the backup configuration for the service instance: • `BOTH`—Configure backups to local storage on the service instance and to an Oracle Storage Cloud container; corresponding to the Cloud Storage Only backup destination in the **Create Service** wizard. • `OSS`—Configure backups to an Oracle Storage Cloud container; corresponding to the, Cloud Storage and Local Storage backup destination in the **Create Service** wizard. • `NONE`—(Default) No backup is configured.
`cloudStorageContainer`	A string containing the Oracle Storage Cloud container for backups. This string has the form: *`instance-id_domain/container`* where *`instance`* is the name of the Oracle Storage Cloud Service instance, *`id_domain`* is the name of the identity domain, and *`container`* is the name of the container. Include this parameter only if the `backupDestination` is `"BOTH"`.

Parameter	Description
`cloudStorageUser`	The user name of an Oracle Cloud user with read/write access to the specified `cloudStorageContainer`. Include this parameter only if the `backupDestination` is `"BOTH"`.
`cloudStoragePassword`	A string containing the password of the specified `cloudStorageUser`. Include this parameter only if the `backupDestination` is `"BOTH"`.
`cloudStorageContainerAutoGenerate`	Whether to create the storage container, or not. This creates the storage container, if an existing container, using the details defined, does not exist. Boolean value, `true` or `false`.
`shape`	A string containing the Oracle Compute Cloud shape for the service instance: • `oc3` — 1 OCPU with 7.5 GB RAM • `oc4` — 2 OCPUs with 15 GB RAM • `oc5` — 4 OCPUs with 30 GB RAM • `oc6` — 8 OCPUs with 60 GB RAM • `oc7` — 16 OCPUs with 120 GB RAM • `oc1m` — 1 OCPU with 15 GB RAM • `oc2m` — 2 OCPUs with 30 GB RAM • `oc3m` — 4 OCPUs with 60 GB RAM • `oc4m` — 8 OCPUs with 120 GB RAM • `oc5m` — 16 OCPUs with 240 GB RAM
`mysqlUserName`	The MySQL Server user name. The default value is `root`.
`mysqlUserPassword`	The MySQL Server user's password.
`dbName`	The name of the database to be created in MySQL Server.
`dbstorage`	Size of the database in gigabytes.
`mysqloptions`	MySQL server options and variables. Comma-separated key-value pairs, only. For example `option1=value,option2=value`. See MySQL Server System Variables for more information. **Note:** It is not possible to use MySQL server options which are currently available as MySQL component parameters, as listed in this document. That is, options such as `mysqlPort`.
`mysqlCharset`	The character set for MySQL Server. For a full list of supported character sets, see Supported Character Sets.
`mysqlCollation`	MySQL server collation. See Supported Character Sets and Collationsfor the complete list of collations per character set.

Parameter	Description
`timezone`	MySQL server time zone. The default is SYSTEM, which sets the server time zone to the compute node's time zone. This parameter accepts named timezones in the format:`Europe/Paris`, `US/Eastern`, or `Asia/Shanghai`. For a complete list of timezones, see MySQL Cloud Service Supported Timezones.
`mysqlPort`	The port the MySQL server listens on. The default is 3306.
`mysqlEMPort`	The port the MySQL Enterprise Monitor's application server, Apache Tomcat, listens on. By default, this is `18443`. By default, an access rule is created for MySQL Enterprise Monitor, called **ora_p2admin_em**. You must enable this access rule to access MySQL Enterprise Monitor. **Note:** If you define a port other than 18443, you must create a new access rule, and configure it to use the required port. The new access rule must use the same configuration as **ora_p2admin_em**, but with the new port instead of 18443.
`enterpriseMonitor`	Defines whether MySQL Enterprise Monitor is provisioned on the MySQL Cloud Service instance. The following values are possible: • `No`—(Default) MySQL Enterprise Monitor is not provisioned. If these parameters are not defined, No is assumed, and MySQL Enterprise Monitor is not installed. • `Yes`—MySQL Enterprise Monitor is provisioned. If you select this, you must populate the following values. **Note:** Values are case sensitive.
`enterpriseMonitorManagerUser`	The name of the MySQL Enterprise Monitor's Manager user. This is the user who configures the installation, adds users, manages the MySQL Enterprise Service Manager, and so on.

Parameter	Description
`enterpriseMonitorManagerPassword`	The password for the Manager User. The password you enter: • Must be 8 to 30 characters in length. • Must contain at least one lowercase letter • Must contain at least one uppercase letter • Must contain at least one number • Must contain at least one of these symbols: _ (underscore), # (hash sign), or $ (dollar sign).
`enterpriseMonitorAgentUser`	The name of the Agent user. **Note:** No agent installations are provided at this time. It is currently only possible to install the MySQL Enterprise Service Manager, which can monitor any MySQL instances, local or remote, using a built-in agent.. If you want to monitor MySQL instances installed on other MySQL Cloud Service instances, you can configure the MySQL Service Manager to monitor them, but cannot monitor a remote host's operating system, file system, or network interfaces. Although agent installations are not currently provided, it is mandatory to define an Agent User and Password to properly configure the MySQL Enterprise Monitor. These parameters can be changed later.
`enterpriseMonitorAgentPassword`	The password for the Agent User. The password you enter: • Must be 8 to 30 characters in length. • Must contain at least one lowercase letter • Must contain at least one uppercase letter • Must contain at least one number • Must contain at least one of these symbols: _ (underscore), # (hash sign), or $ (dollar sign).
`ipReservations`	Specify the IP Addresses reserved for the service.

Examples

The following example creates a instance as specified by information provided in the `create_MySQL57.json` file.

```
$ psm MySQLCS create-service --config-payload create_MySQL57.json
"Accepted"
Job ID : 553993
```

> **Note:**
>
> You can track the progress of this command using the operation-status command.

The following shows an example of the payload file:

```
{
    "serviceName":"MySQL57Service",
    "serviceDescription":"mysql cloud service payload",
    "tags":[
            {
                "key":"Owner",
                "value":"John"
            },
            {
                "key":"Department",
                "value":"Quality"
            },
            {
                "key":"Server1",
            },
      ],
    "serviceVersion":"5.7",
    "serviceLevel":"PAAS",
    "vmPublicKeyText":"ssh-rsa AAA...",     # key truncated for
readability
    "enableNotification":"true",
    "notificationEmail":"service.owner@oracle.com",
    "backupDestination":"BOTH",
    "cloudStorageContainer":"Storage-Storage/MySQLProvisioning",
    "cloudStorageUser":"StorageUser",
    "cloudStoragePassword":"PasswordStorage",
    "components":{
        "mysql":{
            "shape":"oc1m",
            "mysqlUserName":"root",
            "mysqlUserPassword":"adminPa55word$",
            "dbStorage":"25",
            "dbName":"mydatabase",
            "mysqlCharset":"utf8mb4",
            "mysqlPort":"3206"
```

```
            "mysqlEMPort":"18443",
            "mysqloptions":"max-allowed-packet=16M,max-user-connections=500"
            "timezone":"US/Eastern",
            "enterpriseMonitor":"Yes",
            "enterpriseMonitorManagerUser":"admin",
            "enterpriseMonitorManagerPassword":"MEMAdm1nPassword#",
            "enterpriseMonitorAgentUser":"agent",
            "enterpriseMonitorAgentPassword":"MEMAg3ntPassword#"
        }
    }
}
```

The fields listed in the payload correspond to the fields in the **Create MySQL Cloud Service Instance** page.

> **Note:**
>
> If you do not intend to use a backup destination, specify `"backupDestination": "NONE"` and do not define the cloud storage parameters.

psm MySQLCS create-snapshot

Create a snapshot for an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS create-snapshot -s|--service-name instance-name
    -a|--name snapshot-name
    [-d|--description "string"]
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-a|--name` *`snapshot-name`*	Specifies the name of the snapshot.
`-d|--description` *`"string"`*	Short description of the snapshot.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example creates a snapshot, named mysql57–snap1, of the `mysql57-aas` instance.

```
$ psm MySQLCS create-snapshot --service-name mysql57-aas --name
mysql57-snap1
```

psm MySQLCS delete-access-rule

Deletes a specific access rule from an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS delete-access-rule -s|--service-name instance-name
    -r|--rule-name access-rule-name
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-r|--rule-name` *`access-rule-name`*	Specifies the name of the access rule to delete.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example deletes an access rule named `AccRule1` on the service named`MySQL57-aas`.

```
$ psm MySQLCS delete-access-rule --service-name MySQL57-aas --rule-name
AccRule1
```

psm MySQLCS delete-backup

Deletes a specific backup of a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS delete-backup -s|--service-name instance-name
    -b|--backup-id backupID
    [-f|--force true|false]
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-f|--force` *`true|false`*	(Optional) Ensures the backup is deleted even if errors occur. Default value is false.
`-b|--backup-id`	Specifies the alphanumeric identifier of the backup you want to delete. Retrieve this value using the `view-backup` command.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Parameter	Description
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example deletes a backup of the `MySQL57-aas` instance with the `backupID` of`b5bbbd3a-1234-76e3-8r34-3c3d1f67f91b`.

```
$ psm MySQLCS delete-backup --service-name MySQL57-aas --backup-id
b5bbbd3a-1234-76e3-8r34-3c3d1f67f91b
```

psm MySQLCS delete-service

Delete a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS delete-service -s|--service-name instance-name
    -f|--force true|false
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance to delete.
`-f|–force`*`true|false`*	Ensures the service is deleted even if errors occur. Default value is false
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example deletes the `MySQL57-aas` instance.

```
$ psm MySQLCS delete-service --service-name MySQL57-aas
```

psm MySQLCS delete-snapshot

Delete a snapshot defined for a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS delete-snapshot -s|--service-name instance-name
    -n|--snapshot-name snapshot-name
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-n|--snapshot-name` *`snapshot-name`*	Specifies the name of the snapshot.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example deletesf the named snapshot of the `mysql57-aas` instance.

```
$ psm MySQLCS delete-snapshot --service-name mysql57-aas --snapshot-
name mysql57-snap1
```

psm MySQLCS disable-access-rule

Disables an access rule on an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS disable-access-rule -s|--service-name instance-name
  -r|--rule-name rule-name
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-r|--rule-name`	Specifies the name of the rule to disable. **Note:** This command disables the specified access rule, it does not delete access rules.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example disables an access rule, AccRule1, on the `MySQL57-aas` instance.

```
$ psm MySQLCS disable-access-rule -s MySQL57-aas -r AccRule1
```

psm MySQLCS enable-access-rule

Enables the specified access rule on a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS enable-access-rule -s|--service-name instance-name
    -r|--rule-name rule-name
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-r|--rule-name` *`rule-name`*	Specifies the name of the rule to enable.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example enables the access rule `AccRule1` on the `MySQL57-aas` instance.

```
$ psm MySQLCS enable-access-rule --service-name MySQL57-aas --rule-name
AccRule1
```

psm MySQLCS operation-status

View the status of an operation on a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS operation-status -j|--job-id job-id
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-j|--job-id` *`job-id`*	Specifies the ID number of the job about which you want information.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example shows the current status of job `553943`, which is an in-progress operation to stop the `MySQL57-aas` instance.

```
$ psm MySQLCS operation-status --job-id 553943
```

psm MySQLCS patch

Apply a patch to a MySQL Cloud Service instance. Applying a patch always performs a backup before the patch is applied.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS patch -s|--service-name instance-name
  -p|--patch-id patch-id
  -a|--additional-note string
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-p|--patch-id` *`patch-id`*	Specifies the patch ID of the patch to apply. To retrieve a list of patch IDs available to apply a service instance, see psm MySQLCS available-patches.
`-a|--additional-note` *`string`*	(Optional) Text string. Add a note to describe the patching operation.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example applies patch `5.7.13.1-EE` to the `MySQL57-aas` instance.

```
$ psm MySQLCS patch --service-name MySQL57-aas --patch-id 5.7.13.1-EE
```

psm MySQLCS precheck-patch

Perform a precheck on a MySQL Cloud Service instance to identify potential issues that might prevent a specified patch from being applied successfully.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS precheck-patch
    -s|--service-name instance-name
    -p|--patch-id patch-id
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Description

The patching precheck reports on the following conditions:

- Disk space shortage

- Database connectivity failure
- Server access failure
- Storage access failure

Prechecking does not check whether another administration task (backup, restoration, or scaling) is in progress, which would prevent patching.

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance..
`-p|--patch–id` *`patch-id`*	Specifies the patch ID of the patch to precheck. To retrieve a list of patch IDs available to apply to a service instance, see psm MySQLCS available-patches.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example shows a precheck of patch `5.7.13.1-EE` on the `MySQL57-aas` instance.

```
$ psm MySQLCS precheck-patch --service-name MySQL57-aas --patch-id
5.7.13.1-EE
```

psm MySQLCS restart

Restart an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS restart -s|--service-name instance-name
  -c|--config-payload path-to-json-payload
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-c|--config-payload`	Specifies the path to the json payload file.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The json payload has the following syntax:

```
{
    "force":"",
    "allServiceHosts":"",
    "components":{
        "mysql":{
            "hosts":""
        }
    }
}
```

Parameter	Description
`force`	(Optional) Set to `True` to force the operation, even if blocking errors are generated.
`allServiceHosts`	(Optional) set to `True` to apply the command to all host names associated with the service name. This parameter can be the only parameter in the payload.
`components`	Container for the MySQL component and host information.
`mysql`	The service type.
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named MySQL57–aas, the host name takes the format mysql57–aas-mysql-1.

Examples

The following example restarts the `MySQL57-aas` instance.

```
$ psm MySQLCS restart -s MySQL57-aas -c /tmp/restart-service-
payload.json
```

The payload for this command can be one of the following:

```
{
    "components":{
        "mysql":{
            "hosts":"[mysql57-aas-mysql-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":"true"
}
```

psm MySQLCS restore

Restores a backup to a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS restore -s|--service-name instance-name
    -b|--backup-id backup-id
    [-e|--restore-type restore-type -t|--restore-id "dd/mm/yyyy
hh:mm:ss"]
    [-n|--notes string]
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`–b|--backup-id`	Specifies the unique identifier of the backup to restore.
`–e|--restore-type`	(Optional)The type of restore to perform. Possible values are: • `PIT`: Point-In-Time restore. Requires `–restore-id`.

Parameter	Description
`–t|--restore-id`	(Optional)The unique identifier of the restore. These are used only for Point-In-Time restores. The value takes the following format: `"dd/mm/yyyy hh:mm:ss"`
`–n|--notes` *`string`*	(Optional) Enables the addition of explanatory notes. Notes must be enclosed in quotation marks.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

> **Note:**
>
> If MySQL Transparent Data Encryption (TDE) is enabled on the MySQL instance, it is not currently possible to restore a backup of that instance.

Examples

The following example restores the backup with id `00db56ff-445f-4e35-fr45-5aeeed113701b` to the `MySQL57-aas` instance.

```
$ psm MySQLCS restore --service-name MySQL57-aas --backup-id
00db56ff-445f-4e35-fr45-5aeeed113701b
```

The following is an example of a Point-In-Time restore, restoring a backup dated **06/12/2016 17:20:55** to the `MySQL57-aas` instance:

```
psm MySQLCS restore -s MySQL57-aas --restore-type PIT --restore-id
"06/12/2016 17:20:55"
```

psm MySQLCS rollback

Rolls back a patch that was applied to a MySQL Cloud Serviceinstance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS rollback
    -s|--service-name instance-name
    -r|--rollback-id patch-id
    -a|--additional-note string
     [-wc|--wait-until-complete true|false]
     [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-r|--rollback–id` *`patch-id`*	Specifies the patch ID of the patch to roll back. To retrieve a list of patches applied to a service instance, see psm MySQLCS applied-patches.
`-a|--additional-note` *`string`*	(Optional) Text string. Add a note to describe the patching operation.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example rolls back patch `5.7.13.1-EE` from the `MySQL57-aas` instance.

```
$ psm MySQLCS rollback --service-name MySQL57-aas --rollback-id
5.7.13.1-EE
```

psm MySQLCS scale

Scale the shape (OCPUs and memory) of a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS scale -s|--service-name instance-name
    -c|--config-payload path-to-json-file
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

where the json file contains the following:

```
{"components":
    {"mysql":
        {"shape":"shape-name",
      "hosts":["host-name"]
        }
    }
}
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-c|--config-payload` *`path-to-json-file`*	Specifies the shape to scale to.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The json payload has the following syntax:

```
{     "components":
   {         "mysql":
    {             "shape":"shape-name",
            "hosts":["host-name"]
```

```
            }
        }
    }
```

Parameter	Description
`components`	Container for the MySQL component (mysql), host, and shape information.
`mysql`	The service type. For MySQL Cloud Service, this is always `mysql`.
`shape`	The required shape. Valid values for *`shape`* are as follows: • `oc3` — 1 OCPU with 7.5 GB RAM • `oc4` — 2 OCPUs with 15 GB RAM • `oc5` — 4 OCPUs with 30 GB RAM • `oc6` — 8 OCPUs with 60 GB RAM • `oc7` — 16 OCPUs with 120 GB RAM • `oc1m` — 1 OCPU with 15 GB RAM • `oc2m` — 2 OCPUs with 30 GB RAM • `oc3m` — 4 OCPUs with 60 GB RAM • `oc4m` — 8 OCPUs with 120 GB RAM • `oc5m` — 16 OCPUs with 240 GB RAM
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named MySQL57–aas, the host name takes the format mysql57–aas-mysql-1. Valid values for *`hosts`* are the host name as listed in the service's **Overview** page, and the contents of the `adminHostName` output by the `service` command.

Examples

The following example scales the `MySQL57-aas` service to the `oc5` shape.

> **Note:**

```
$ psm MySQLCS scale -s MySQL57-aas -c ~/opc-json-files/scale-to-oc5.json
```

where the json file contains the following:

```
{      "components":
   {          "mysql":
    {              "shape":"oc5",
            "hosts":["mysql57aas-mysql-1"]
         }
```

```
        }
    }
```

psm MySQLCS service

Display information about a single MySQL Cloud Service instance in the identity domain.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS service -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays information about the `MySQL57-aas` instance.

```
$ psm MySQLCS service --service-name MySQL57-aas
{
   {
    "BACKUP_DESTINATION":"BOTH",
    "CLOUD_STORAGE_CONTAINER":"Storage-Storage/Test1",
    "DATA_VOLUME_SIZE":"25G",
    "LOCAL_BACKUP_VOLUME_MOUNT":"/u01/backup",
    "LOCAL_BACKUP_VOLUME_SIZE":"50G",
    "MYSQL_PORT":"3306",
    "_platform_tools_root_":"/u01/app/oracle/tools/paas/bin/platform",
    "_tools_mount_":"/u01/app/oracle/tools",
    "_tools_root_":"/u01/app/oracle/tools/mscs",
    "adminHostName":"test1-mysql-1",
    "attributes":{
        "BACKUP_DESTINATION":{
            "displayName":"Backup Destination",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"BOTH"
        },
```

```
        "CLOUD_STORAGE_CONTAINER":{
            "displayName":"Cloud Storage Container",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"Storage-Storage/Test1"
        },
        "DATA_VOLUME_SIZE":{
            "displayName":"Usable Database Storage",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"25G"
        },
        "LOCAL_BACKUP_VOLUME_MOUNT":{
            "displayName":"Backup Volume Location",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"/u01/backup"
        },
        "LOCAL_BACKUP_VOLUME_SIZE":{
            "displayName":"Backup Volume Size",
            "isKeyBinding":false,
            "type":"STRING",
            "value":"50G"
        },
        "MYSQL_PORT":{
            "displayName":"MySQL Port",
            "isKeyBinding":true,
            "type":"INTEGER",
            "value":"3306"
        }
    },
    "backup":{
        "lastBackupDate":"Thu Jun 09 00:05:00 GMT 2016",
        "lastFailedBackupDate":"Thu Jun 09 14:47:09 GMT 2016",
        "operationInProgress":{}
    },
    "components":{
        "mysql":{
            "adminHostName":"test1-mysql-1",
            "attributes":{
                "CONNECT_STRING":{
                    "displayName":"Connect Descriptor",
                    "isKeyBinding":true,
                    "type":"STRING",
                    "value":"10.252.132.237:3306/myDOCdatabase"
                },
                "shape":{
                    "displayName":"Compute Shape",
                    "isKeyBinding":false,
                    "type":"SHAPE",
                    "value":"oc3"
                }
            },
            "componentId":2,
            "creationDate":"2016-06-07T11:58:50.000+0000",
```

```
            "instanceName":"mysql",
            "instanceRole":"NONE",
            "serviceId":2,
            "state":"READY",
            "version":"5.7",
            "vmInstances":{
                "test1-mysql-1":{
                    "componentType":"mysql",
                    "creationDate":"2016-06-07T11:58:50.000+0000",
                    "hostName":"test1-mysql-1",
                    "ipAddress":"10.252.132.237",
                    "isAdminNode":true,
                    "label":"test1 mysql MYSQL_SERVER 1",
                    "publicIpAddress":"10.252.132.237",
                    "role":"MYSQL_SERVER",
                    "servers":{
                        "MySQL":{
                            "creationDate":"2016-06-07T11:58:50.000+0000",
                            "provisionStatus":"PENDING",
                            "serverId":2,
                            "serverName":"MySQL",
                            "serverRole":"MYSQLCS_ROLE",
                            "serverStateDisplayName":"Ready",
                            "serverType":"MASTER",
                            "state":"READY"
                        }
                    },
                    "shapeId":"oc3",
                    "state":"READY",
                    "totalStorage":117760,
                    "usageType":"MYSQL_SERVER",
                    "vmId":2,
                    "vmStateDisplayName":"Ready"
                }
            }
        }
    },
    "computeSiteName":"siteB",
    "creationDate":"2016-06-07T11:58:50.948+0000",
    "creator":"creatorName",
    "domainName":"domain",
    "edition":"EE",
    "editionDisplayName":"Enterprise Edition",
    "keyComponentInstance":"mysql",
    "metaVersion":"1.0.0-160606",
    "meteringFrequency":"HOURLY",
    "meteringFrequencyDisplayName":"Hourly",
    "patching":{
        "currentOperation":{
            "operation":"NONE"
        },
        "totalAvailablePatches":1,
        "updateStatus":"NORMAL_PENDING"
    },
    "releaseVersion":"5.7.12",
```

```
    "serviceDescription":"Test1",
    "serviceId":2,
    "serviceLevel":"PAAS",
    "serviceLevelDisplayName":"MySQL Cloud Service",
    "serviceName":"Test1",
    "serviceStateDisplayName":"Running",
    "serviceType":"MySQLCS",
    "serviceVersion":"5.7",
    "state":"READY",
    "storageContainer":"Storage-Storage/Test1",
    "subscription":"HOURLY"
}

}
```

psm MySQLCS services

Display information about all MySQL Cloud Service instances in the identity domain.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS services
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

psm MySQLCS snapshot

Display the details of a snapshot defined for a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS snapshot -s|--service-name instance-name
    -n|--snapshot-name snapshot-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-n|--snapshot-name` *`snapshot-name`*	Specifies the name of the snapshot.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example displays details of the named snapshot of the `mysql57-aas` instance.

```
$ psm MySQLCS snapshot --service-name mysql57-aas --snapshot-name mysql57-
snap1
```

psm MySQLCS snapshots

Lists all the snapshots available for an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS snapshots -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists access rules applied to the `mysql57-aas` instance.

```
$ psm MySQLCS snapshots --service-name mysql57-aas
```

psm MySQLCS start

Start a stopped MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS start -s|--service-name instance-name
    -c|--config-payload path-to-json-payload
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-c|--config-payload`	Specifies the path to the JSON payload file.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format` `json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The json payload has the following syntax:

```
{
    "force":"",
    "allServiceHosts":"",
    "components":{
        "mysql":{
            "hosts":""
```

```
        }
    }
}
```

Parameter	Description
`force`	(Optional) Set to `True` to force the operation, even if blocking errors are generated.
`allServiceHosts`	(Optional) set to `True` to apply the command to all host names associated with the service name. This parameter can be the only parameter in the payload.
`components`	Container for the MySQL component and host information.
`mysql`	The service type.
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named MySQL57–aas, the host name takes the format mysql57–aas-mysql-1.

Examples

The following example starts the `MySQL57-aas` instance.

```
$ psm MySQLCS start -s MySQL57-aas -c /tmp/restart-service-payload.json
```

The payload for this command can be one of the following:

```
{
    "components":{
        "mysql":{
            "hosts":"[mysql57-aas-mysql-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":"true"
}
```

psm MySQLCS stop

Stop an MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS stop -s|--service-name instance-name
    -c|--config-payload path-to-json-payload
```

```
[-wc|--wait-until-complete true|false]
[-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-c|--config-payload`	Specifies the path to the JSON payload file.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The json payload has the following syntax:

```
{
    "force":"",
    "allServiceHosts":"",
    "components":{
        "mysql":{
            "hosts":""
        }
    }
}
```

Parameter	Description
`force`	(Optional) Set to `True` to force the operation, even if blocking errors are generated.
`allServiceHosts`	(Optional) set to `True` to apply the command to all host names associated with the service name. This parameter can be the only parameter in the payload.
`components`	Container for the MySQL component and host information.
`mysql`	The service type.
`hosts`	The host name of the service. The host name is the fully qualified name of the Virtual Machine. For example, in a service named MySQL57–aas, the host name takes the format mysql57–aas-mysql-1.

Examples

The following example stops the `MySQL57-aas` service.

```
$ psm MySQLCS stop -s MySQL57-aas -c /tmp/stop-service-payload.json
```

The payload for this command can be one of the following:

```
{
    "components":{
        "mysql":{
            "hosts":"[mysql57-aas-mysql-1]"
        }
    }
}
```

or

```
{
    "allServiceHosts":"true"
}
```

psm MySQLCS update-backup-config

Updates the backup configuration of the MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS update-backup-config -s|--service-name instance-name
  -c|--config-payload path-to-json-payload
    [-wc|--wait-until-complete true|false]
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the instance.
`-c|--config-payload`	Specifies the path to the JSON payload file.
`-wc|--wait-until-complete` *`true|false`*	(Optional) If set to `true`, the command behaves synchronously. That is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` The default value is `false`.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

JSON Payload

The json payload has the following syntax:

```
{
    "defaultRetention":"",
    "fullBackupSchedule":{
        "dayOfWeek":"",
        "hour":"required",
        "minute":""
    },
    "incrementalBackupSchedule":{
        "dayOfWeek":"",
        "hour":"required",
        "minute":""
    },
    "backups":""
}
```

Parameter	Description
`"defaultRetention"`	Defines the number of days the backup is retained before it is automatically deleted.
`"fullBackupSchedule"`	Defines the schedule for the full backup. The following parameters must be set: • `dayOfWeek`—the 3–letter code for the day on which the full backup is performed. `Wed` for Wednesday, for example. • `hour`—the hour of the day at which the full backup is performed. For example, `14` for 2pm • `Minute`—the minute at which the full backup is performed. For example, `30` for 30 minutes past the hour.

Parameter	Description
`"incrementalBackupSchedule"`	Defines the schedule for the incremental backup. The following parameters must be set: • `dayOfWeek`—the 3–letter code for the day on which the incremental backup is performed. `Wed` for Wednesday, for example. • `hour`—the hour of the day at which the incremental backup is performed. For example, `14` for 2pm • `Minute`—the minute at which the incremental backup is performed. For example, `30` for 30 minutes past the hour.
`"backups"`	Defines whether the backups are enabled. Possible values are `ENABLE` or `DISABLE`.

Examples

The following example updates the backup configuration of the `MySQL57-aas` instance to full backup every Sunday at 12:11, and the incremental backup to 11:11 every day, with a default retention of 32 days:

```
$ psm MySQLCS update-backup-config -s MySQL57-aas -c /tmp/update-backup-
payload.json
```

where the payload for this command is:

```
{
    "defaultRetention":"32",
    "fullBackupSchedule":{
        "dayOfWeek":"Sun",
        "hour":"12",
        "minute":"11"
    },
    "incrementalBackupSchedule":{
        "dayOfWeek":"",
        "hour":"11",
        "minute":"11"
    },
    "backups":"ENABLE"
}
```

psm MySQLCS view-backup

List a specific backup for a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS view-backup -s|--service-name instance-name
-b|--backup-id backup-id
[-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`–b|-backup-id` *`backup-id`*	Specifies the unique id of the backup you want to display.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists the details of specified backup of the `MySQL57-aas` instance.

```
$ psm MySQLCS view-backup --service-name MySQL57-aas --backup-id
f100504b-1734-43f1-b29e-23b042362d77
```

psm MySQLCS view-backup-config

List the backup configuration parameters of a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS view-backup-config -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists the backup configuration of `MySQL57-aas` instance.

```
$ psm MySQLCS view-backup-config --service-name MySQL57-aas
```

psm MySQLCS view-backups

List all backups associated with a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS view-backups -s|--service-name instance-name
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists all backups performed on the `MySQL57-aas` instance.

```
$ psm MySQLCS view-backups --service-name MySQL57-aas
```

psm MySQLCS view-restore

List the details of a specific restore operation for a MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS view-restore -s|--service-name instance-name
  -j|--job-id id-of-the-restore-operation
    [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.
`-j|--job-id` *`id-of-the-restore-operation`*	Returns the details of the specified restore job.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists a specific restore applied to the `MySQL57-aas` instance.

```
$ psm MySQLCS view-restore --service-name MySQL57-aa --job-id
```

psm MySQLCS view-restores

List all successful restores on the MySQL Cloud Service instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm MySQLCS view-restores -s|--service-name instance-name
[-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the MySQL Cloud Service instance.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example lists all successful restore applied to the `MySQL57-aas` instance.

```
$ psm MySQLCS view-restores --service-name MySQL57-aas
```

14
psm stack Commands

This chapter describes the PSM CLI commands you can use with the Oracle Cloud Stack Manager.

Category	Command
Service Instance	psm stack create- creates a stack instance.
	psm stack delete- deletes a stack instance.
	psm stack describe- lists the detailed information about an existing stack instance.
	psm stack list- lists all stack instances
	psm stack resume- resume creation of a stack that was not fully created and then encountered an error during creation and was not rolled back.
	psm stack start - starts all resources in a stack.
	psm stack stop- stops all resources in a stack.
Template	psm stack delete-template- deletes a stack template.
	psm stack describe-template- lists basic information about stack template.
	psm stack export-template- exports a stack template.
	psm stack get-template- gets the template used to create a stack.
	psm stack import-template- Imports a new template or updates an existing template using the YAML format file as input.
	psm stack list-templates- lists all templates present in tenant user's template library.
	psm stack validate-templates- validates a stack template (file) before importing it to the cloud.
Status	psm stack activities- displays the activities of the stack instance.
	psm stack operation-status- lists detailed information about a stack operation, particularly a stack-creation operation.

psm stack activities

Lists the activities of a stack instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm stack activities -s|--service-name instance-name
    [-f|--from-start-date date]
    [-t|--to-start-date date ]
    [-a|--status NEW|RUNNING|SUCCEED|FAILED|WARN ]
    [-o|--operation-type LIST ]
```

```
[-l|--limit-row-count integer ]
[-e|--offset  ]
[-d|--order-by fieldName ]
[-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-s|--service-name` *`instance-name`*	Specifies the name of the stack instance.
`–f|--from-start-date`	Retrieve activities performed after this date. Specifies the start of a range. If no end date is defined, the current date is used. Supported formats are ISO date and time formats: • `yyyy-MM-dd'T'HH:mm:ss` • `yyyy-MM-dd HH:mm:ss` • `yyy-MM-dd`
`–t|--to-start-date`	Specifies the end of a range. Can be used with `from-start-range`.
`–a|–status`	Specifies the types of activity required. Valid values are `NEW|RUNNING|SUCCEED|FAILED|WARN`.
`–o|--operation-type`	Specifies the types of operation required.
`-l|--limit-row-count`	Specifies how many rows of results to return. The default is 10.
`-e|--offset`	Defines the number of activities to display. If the offset is set to 3, and 5 activities are returned, only the last 3 activities are displayed. This can be combined with `limit-row-count` to further restrict the number of activities in the result set.
`-d|--order-by`	Filter criteria to sort the result set. Defined as `fieldName: asc|desc`.
`-of|--output-format json|html|short`	(Optional) Specifies the output format of the command's response: • `json`—output is formatted as a JSON array. • `html`—output is formatted as HTML • `short`—output is formatted as a brief summary. The default output format is the one you specified when using the `psm setup` command to configure the `psm` CLI.

Examples

The following example requests the failed activities of the `MyStack` instance, from 01 September 2016, to 31 October 2016:

```
$ psm stack activities -s MyStack -f 2016-09-01 -t 2016-10-31 -a FAILED
```

psm stack create

Use this command to create a stack instance.

Syntax

In the following syntax, line breaks have been added for clarity. Do not include them when entering the command.

```
psm stack create -n|--name stackName
  -t|--template templateName
  [-d|--description stackDescription]
  [-g|--tags stringOfTags]
  [-f|--on-failure RETAIN|ROLLBACK]
  [-p|--parameter-values key:value key:value ...]
  [-pf|--parameter-file file]
  [-of|--output-format json|html|short]
  [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n|--name` *`stackName`*	Name of the stack to be created.
`-t|--template`*`templateName`*	Name of the template from the template library. Import a template if one does not yet exist.
`-d|--description` *`stackDescription`*	(Optional) Description of the stack.
`-g|--tags` *`stringOfTags`*	(Optional) A string representation of a JSON array of tags.
`-f|--on-failure RETAIN|ROLLBACK`	(Optional) This flag specifies if the stack should be retained on failure. **Accepted values:** `ROLLBACK, RETAIN` **Default:** `ROLLBACK` Description: • `ROLLBACK` (default): Any service instances that were created as part of this stack will be deleted • `RETAIN`: For troubleshooting purposes, any service instances that were created as part of this stack are not deleted
`-p|--parameter-values` *`key:value key:value ...`*	(Optional) Parameter values for the template, specified as `key:value` pairs. One or more pairs are allowed, and each pair is separated by a space. Refer to the stack template for a list of available parameters.

Parameter	Description

`-pf|--parameter-file` *file*	(Optional) The name and location of a JSON file that specifies the parameter values.
	
	`{`
	`  "key":"value",`
	`  "key":"value",`
	`  ...,`
	`  "key":"value"`
	`}`
	
	Refer to the stack template for a list of available parameters.

`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	
	Default: `false`

Example

```
$ psm stack create -n MyStack -t ExampleTemplate -d MyExampleStack -f
RETAIN -p shape:OC3 clusterSize:2
{
    "details":{
        "message":"Submitted job to create stack [MyStack] in domain
[stackdomain].",
        "jobId":"80521"
    }
}
Job ID : 80521
```

Note that this command returned a job ID. To see the status of your `psm stack create` operation, use this job ID with psm stack operation-status command:

```
$ psm stack operation-status -j 80521
```

psm stack delete

Use this command to delete an existing instance.

Syntax

```
psm stack delete -n|--name stackName
    [-f|--force true|false]
    [-r|--retain-resources tags]
    [-c|--config-payload path-to-payload]
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`–n|--name stackName`	Name of the stack to delete.
`–f|--force true|false`	(Optional) Boolean flag that specifies whether you want to force the removal of all resource instances even when processes are running. **Accepted values:** `true, false` **Default:** `true`
`–r|--retain–resources tags`	(Optional) Comma-separated list of tags. Any resources in the stack that are assigned at least one of these tags will not be deleted. To delete the stack without deleting any of its resources, set this parameter to the value `_all`.
`-c|--config-payload path-to-payload`	(Optional) Path to the JSON file that contains the Stack deletion configuration parameters. The format of this file, as shown in Payload Example, is the same as the request body you provide when deleting a Stack instance by using the REST API. For information about this format, open the ”Components” section of the “Body Parameter” section of Deleting a Stack in the *REST API for Oracle Cloud Stack Manager*.
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Parameter	Description

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	
	Default: `false`

Payload Example

Below is a sample payload configuration file for the deletion of a stack containing an Oracle Java Cloud Service instance.

```
{
  "operationType": "DELETE",
  "jcs": {
    "parameters": {
      "serviceParameters": {
        "dbaName": "yourDBUsername",
        "dbaPaasword": "yourDBPassword"
      },
    }
  }
}
```

Command Example

```
$ psm stack delete -n MyStack -f false -c c://myDisk/payloads/
deleteConfigs.json
```

The output will include a job ID number. You can execute a stack `operation-status` command to periodically check the state of the delete operation, like so:

```
$ psm stack operation-status -j jobID
```

Command Example: Retain Resources

Use the `-r` parameter to identify resources in the stack that should not be deleted. The following example deletes the stack but retains any resources that have been assigned the tag named `prod` or the tag named `shared`.

```
$ psm stack delete -n MyStack -r prod,shared
```

psm stack delete-template

Use this command to delete a Stack template.

Syntax

```
psm stack delete-template -n|--template-name templateName
    [-v|--version templateVersion]
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n|--template-name` *`templateName`*	Name of the Stack template.
`-v|--version` *`templateVersion`*	(Optional) The specific version of the Stack template to delete. If not provided, the latest version is deleted.
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	Default: `false`

Example

```
$ psm stack delete-template -n TestTemplate -of json
{
    "status":"Template [TestTemplate] deleted successfully"
}
```

psm stack describe

Use this command to display detailed information about an existing stack.

Syntax

```
psm stack describe -n|--stack-name stackServiceName
     [-e|--expand value]
     [-of|--output-format html|json|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`–n|–stack-name` *`stackServiceName`*	Name of the stack instance to describe.
`–e|––expand` *`value`*	(Optional) Flag to configure the level of detail provided in the response. Permitted values are: • `all` • `template` • `resources` • `attributes`
`–of|–output-format html|json|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm stack describe -n MyStack -of json
{
    "serviceName":"MyStack",
    "description":"",
    "serviceURI":"http://example.org:7200//paas/api/v1.1/instancemgmt/
stackdoc/services/stack/instances/MyStack",
    "state":"READY",
    "stateDetail":"Ready",
    "identityDomain":"astack",
    "createdBy":"MY_SM_PLATFORM_APPID",
    "creationJobId":"80161",
    "creationTime":"2016-07-26T15:48:18.366+0000",
    "lastModifiedTime":"2016-07-26T15:48:18.365+0000",
    "template":{
        "templateName":"MyAppTemplate",
        "templateVersion":"1.0.0",
        "templateURI":"http://example.org:7200//paas/api/v1.1/
instancemgmt/stackdoc/templates/cst/instances/MyAppTemplate/export?
version=1.0.0"
    },
    "resources":{
        "mysql":{
            "serviceName":"MyStack-1",
            "serviceType":"MySQLCS",
            "state":"READY",
            "stateDetail":"Running",
            "attributes":{
                "MYSQL_PORT":"3306",
                "CLOUD_STORAGE_CONTAINER":"Storage-StorageEvaladmin/
JaaSBackup",
                "LOCAL_BACKUP_VOLUME_SIZE":"50G",
```

```
                "BACKUP_DESTINATION":"BOTH",
                "LOCAL_BACKUP_VOLUME_MOUNT":"/u01/backup",
                "DATA_VOLUME_SIZE":"25G"
            },
            "components":{
                "mysql":{
                    "instanceName":"mysql",
                    "state":"READY",
                    "attributes":{
                        "shape":"oc3",
                        "CONNECT_STRING":"203.0.113.0:3306/mydatabase"
                    }
                }
            }
        },
        "app":{
            "appName":"MyStack-App",
            "serviceType":"apaas",
            "state":"RUNNING",
            "stateDetail":"RUNNING",
            "attributes":{
                "webURL":"http://MyStack-App-astack-
dev.us001.apaas.oraclecloud.com:1222"
            }
        }
    },
    "attributes":{
        "AppWebURL":{
            "value":"",
            "description":"Application URL"
        }
    }
}
```


psm stack describe-template

Use this command to print basic information abut template and its associated stack instances.

Syntax

```
psm stack describe-template -n|--template-name templateName
    [-v|--version templateVersion]
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n|--template-name` *`templateName`*	Name of the Stack template.
`-v|--version` *`templateVersion`*	(Optional) Stack template version number.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm stack describe-template -n myDevTeamStack -of json
{
    "templateName":"myDevTeamStack",
    "latestVersion":"1.0.0",
    "description":"My Developer Team Stack",
    "createdOn":"2016-08-25T22:42:20.849+0000",
    "createdBy":"stackdoc",
    "links":[
        {
            "rel":"canonical",
            "href":"http://example.com:7103//paas/api/v1.1/
instancemgmt/stackdoc/templates/cst/instances/myDevTeamStack"
        },
        {
            "rel":"self",
            "href":"http://example.com:7103//paas/api/v1.1/
instancemgmt/stackdoc/templates/cst/instances/myDevTeamStack"
        }
    ]
}
```

psm stack export-template

Use this command to export a Stack template.

Syntax

```
psm stack export-template -n|--template-name templateName
   [-v|--version templateVersion]
   [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-n|--template-name` *`templateName`*	Name of the Stack template.
`-v|--version`*`templateVersion`*	(Optional) Stack template version number. By default the latest version will be exported.

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm stack export-template -n myDevTeamStack -of json
---
  template:
    templateName: myDevTeamStack
    templateVersion: 1.0.0
    templateDescription: My Developer Team Stack
    parameters:
      mysqlPwd:
        label: Mysql access password
        description: Mysql access password
        type: String
        mandatory: false
        sensitive: true
      publicKeyText:
        label: Public key text
        description: Public key text for accessing the provisioned vms
        type: String
        mandatory: false
        sensitive: true
      backupStorageContainer:
        label: Backup container
        description: Eg., Storage-StorageEval01admin/JaaSBackup
        type: String
        mandatory: false
      cloudStorageUser:
        label: Cloud Storage user name
        description: Storage account username
        type: String
        mandatory: false
      cloudStoragePassword:
        label: Cloud Storage password
        description: Storage account password
        type: String
        mandatory: false
        sensitive: true
      computeShape:
        label: Default compute shape
        description: compute shape for each of the resource nodes
        type: String
        default: oc3
      appURL:
        label: App archive cloud URL
        description: Location from where the app archive can be downloaded
        type: String
```

```
    mandatory: false
resources:
  backupContainer:
    type: OSS.Container
    parameters:
      cloudStorageContainer:
        Fn::GetParam: backupStorageContainer
      cloudStorageUser:
        Fn::GetParam: cloudStorageUser
      cloudStoragePassword:
        Fn::GetParam: cloudStoragePassword
  app:
    type: apaas
    parameters:
        name:
          Fn::Join:
            - "-"
            -
              - Fn::GetParam: serviceName
              - App
        runtime: Java
        subscription: MONTHLY
        archiveURL:
            Fn::GetParam: appURL
        deployment:
            memory: 1G
            instances: 1
            services:
                  -
                    identifier: MysqlServiceDelta
                    name:
                      Fn::GetAtt:
                        - mysql
                        - serviceName
                    type: MySQLCS
                    username: mysqlUser
                    password:
                      Fn::GetParam: mysqlPwd
    depends_on:
        - mysql
  mysql:
    type: MySQLCS
    parameters:
        serviceParameters:
            serviceName:
              Fn::Join:
                    - "-"
                    -
                      - Fn::GetParam: serviceName
                      - mysql
            serviceLevel: PAAS
            subscription: HOURLY
            serviceDescription: DB used with ACCS
            serviceVersion: 5.7
            vmPublicKeyText:
```

```
                    Fn::GetParam: publicKeyText
                cloudStorageContainer:
                    Fn::GetParam: backupStorageContainer
                cloudStorageUser:
                    Fn::GetParam: cloudStorageUser
                cloudStoragePassword:
                    Fn::GetParam: cloudStoragePassword
            componentParameters:
                mysql:
                  shape:
                    Fn::GetParam: computeShape
                  mysqlUserName: mysqlUser
                  mysqlUserPassword:
                      Fn::GetParam: mysqlPwd
        depends_on:
            - backupContainer
    attributes:
        AppWebURL:
            value:
                Fn::GetAtt:
                  - app
                  - attributes.webURL
            description: Application URL
```

psm stack get-template

Use this command to view the template document that was used to create a specific stack.

Syntax

```
psm stack get-template -n|--stack-name stackName
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`—n|--stack-name` *`stackName`*	Name of the stack
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm stack get-template -n MyStack -of json
---
    template:
    templateName: MyTemplate
    templateVersion: 1.0.2
```

```
templateDescription: My first template
parameters:
  wlAdminUser:
    label: Weblogic Admin username
    ...
```

psm stack import-template

Use this command to import a Stack template.
You cannot run `psm stack import-template` on an existing template file unless the template version is updated to a higher value from the existing version. Existing stacks are not affected by this action.

> **Note:**
>
> The format and contents of the template file are automatically validated. Validation errors are provided in the output of this command. You can also validate a template file without importing it by issuing a `validate-template` command against the template file.

Syntax

```
psm stack import-template -f|--template filePath
    [-u|--templateUrl url-for-stack-template
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-f|--template`*filePath*	Fully qualified path, including filename, of the Stack template file. You can use either this parameter or `--template-url`.
`–u|--template-url` *url-for-stack template*	(Optional) The URL to the location of the Stack template you want to import. You can use either this parameter or `--template`.
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Parameter	Description
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Example

```
$ psm stack import-template -f myExampleTemplate.yaml -u -of json
{
    "templateName":"myExampleTemplate",
    "latestVersion":"1.0.0",
    "description":"Sample application running against a database",
    "createdOn":"2016-08-24T02:17:31.749+0000",
    "createdBy":"somebody",
    "links":[
        {
            "rel":"canonical",
            "href":"http://example.com:7103//paas/api/v1.1/instancemgmt/
somebody/templates/cst/instances/myExampleTemplate"
        },
        {
            "rel":"self",
            "href":"http://example.com:7103//paas/api/v1.1/instancemgmt/
somebody/templates/cst/instances"
        }
    ]
}
```

psm stack list

Use this command to list all stacks.

Syntax

```
psm stack list [-e|--expand value]
     [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`–e|--expand` *value*	(Optional) Flag to configure the level of detail provided in the response for each stack. Permitted values are: • `all` • `instances` • `template` • `resources` • `attributes` • a comma-separated list of stack names.
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Examples

```
$ psm stack list -of json
{
    "identityDomain":"mystack",
    "stacks":[
        {
            "serviceName":"AccsThing",
            "description":"",
            "serviceURI":"http://example.org:7200//paas/api/v1.1/
instancemgmt/mystack/services/stack/instances/AccsThing",
            "state":"READY",
            "stateDetail":"Ready",
            "identityDomain":"mystack",
            "createdBy":"My_PLATFORM_APPID",
            "creationJobId":"80161",
            "creationTime":"2016-07-26T15:48:18.366+0000",
            "lastModifiedTime":"2016-07-26T15:48:18.365+0000",
            "template":{
                "templateName":"AccsApp",
                "templateVersion":"1.0.0",
                "templateURI":"http://example.org:7200//paas/api/v1.1/
instancemgmt/mystack/templates/cst/instances/AccsApp/export?
version=1.0.0"
            }
        }
    ]
}
```

psm stack list-templates

Use this command to list all stack templates.

Syntax

```
psm stack list-templates
   [-of|--output-format json|html|short]
```

Parameters

Parameter	Description
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm stack list-templates -of json
{
    "identityDomain":"MyStack",
    "templates":[
        {
            "templateName":"AnAppWithMySQL",
            "templateVersion":"1.0.0",
            "templateDescription":"Sample application running against a
MySQL database",
            "identityDomain":"MyStack",
            "createdBy":"MY_SM_PLATFORM_APPID",
            "creationTime":"2016-07-26T13:57:57.492+0000",
            "templateUri":"http://example.org:7200//paas/api/v1.1/
instancemgmt/MyStack/templates/cst/instances/AnAppWithMySQL/export?
version=1.0.0",
            "stacks":[
                {
                    "serviceName":"AppWithMySQL1",
                    "serviceURI":"http://example.org:7200//paas/api/v1.1/
instancemgmt/MyStack/services/stack/instances/AnAppWithMySQL"
                }
            ]
        },
        {
            "templateName":"AnAppWithMySQLTest",
            "templateVersion":"1.0.1",
            "templateDescription":"Sample application running against a
MySQL database",
            "identityDomain":"MyStack",
            "createdBy":"MY_SM_PLATFORM_APPID",
            "creationTime":"2016-07-28T22:40:03.563+0000",
            "templateUri":"http://example.org:7200//paas/api/v1.1/
instancemgmt/MyStack/templates/cst/instances/AnAppWithMySQLTest/export?
version=1.0.1",
            "stacks":[]
        }
```

```
    ]
}
```

psm stack operation-status

Use this command to track the status of a stack creation request submitted from the psm stack create command.

Syntax

```
psm stack operation-status -j|--jobId jobID
    [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-j|--job-id` *`jobID`*	Number that identifies the operation. This operation number is in the response message generated by the `psm stack create` command.
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Example

```
$ psm stack operation-status -j 101004 -of json
{
    "activityLogId":50374,
    "serviceName":"AnotherDevStack",
    "serviceType":"cloudstack",
    "identityDomain":"stackdoc",
    "serviceId":2305,
    "jobId":101004,
    "startDate":"2016-08-25T22:52:04.201+0000",
    "endDate":"2016-08-25T22:52:06.922+0000",
    "status":"SUCCEED",
    "operationId":2305,
    "operationType":"CREATE_SERVICE",
    "summaryMessage":"CREATE_SERVICE",
    "authDomain":"stackdoc",
    "initiatedBy":"USER",
    "messages":[
        {
            "activityDate":"2016-08-25T22:52:04.201+0000",
            "message":"Stack creation request accepted"
        },
        {
```

```
            "activityDate":"2016-08-25T22:52:04.205+0000",
            "message":"Initializing stack AnotherDevStack"
        },
        {
            "activityDate":"2016-08-25T22:52:06.548+0000",
            "message":"Initiating cleanup of Stack Service [AnotherDevStack]
due to failure"
        },
        {
            "activityDate":"2016-08-25T22:52:06.551+0000",
            "message":"Initiating cleanup of Stack Service [AnotherDevStack]
due to failure"
        },
        {
            "activityDate":"2016-08-25T22:52:06.600+0000",
            "message":"Deleting stack AnotherDevStack"
        },
        {
            "activityDate":"2016-08-25T22:52:06.815+0000",
            "message":"Successfully cleaned up resources for stack
stackdoc : AnotherDevStack"
        },
        {
            "activityDate":"2016-08-25T22:52:06.922+0000",
            "message":"Stack AnotherDevStack terminated"
        }
    ]
}
```


psm stack resume

Use this command to resume creation of a stack that was not fully created and then encountered an error during creation and was not rolled back.

Syntax

```
psm stack resume -n|--stack-name stackServiceName
     [-of|--output-format json|html|short
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`–n|–stack-name` *`stackServiceName`*	Name of the stack instance to resume.
`–of|–output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Parameter	Description

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	
	Default: `false`

Example

```
$ psm stack resume -n MyStack -of json
```

psm stack start

Use this command to start all resources in a stack.

Syntax

```
psm stack start -n|--name stackName
     [-c|--config-payload path-to-payload
     [-of|--output-format json|html|short]
     [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`—n|—name` *`stackName`*	Name of the stack to start.
`-c|--config-payload` *`path-to-payload`*	(Optional) Path to the JSON file that contains the Stack startup configuration parameters. The format of this file, as shown in Payload Example, is the same as the request body you provide when starting a Stack instance by using the REST API. For information about this format, open the ”Components” section of the “Body Parameter” section of Start a Stack in the *REST API for Oracle Cloud Stack Manager*.
`-of|—output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Parameter	Description
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Payload Example

Required properties are indicated as "required". Replace in the actual payload with real values.

```
{
    "operationType":"START",
    "dbcs":{
        "parameters":{
            "dbaName":"sys",
            "dbaPaasword":"Welcome#123"
        }
    },
    "jcs":{
        "parameters":{
            "serviceParameters":{
                "dbaName":"sys",
                "dbaPaasword":"Welcome#123"
            },
            "componentParameters":{
                "OTD":{
                    "param1":"value1"
                }
            }
        }
    }
}
```

Example

```
$ psm stack start -n MyStack -c c://myDisk/payloads/start.json
```

psm stack stop

Use this command to stop all resources in a stack.

Syntax

```
psm stack stop -n|--name stackName
     [-c|--config-payload path-to-payload]
     [-of|--output-format json|html|short]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`—n|--name` *`stackName`*	Name of the stack to start.
`-c|--config-payload` *`path-to-payload`*	(Optional) Path to the JSON file that contains the Stack configuration parameters. The format of this file, as shown in Payload Example, is the same as the request body you provide when stopping a Stack instance by using the REST API. For information about this format, open the ”Components” section of the “Body Parameter” section of Stop a Stack in the *REST API for Oracle Cloud Stack Manager*.
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.
`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete: `Waiting for the job to complete... (it cannot be cancelled)` **Default:** `false`

Payload Example

Required properties are indicated as "required". Replace in the actual payload with real values.

```
{
    "operationType":"STOP",
    "dbcs":{
        "parameters":{
            "dbaName":"sys",
            "dbaPaasword":"Welcome#123"
        }
    },
    "jcs":{
```

```
        "parameters":{
            "serviceParameters":{
                "dbaName":"sys",
                "dbaPaasword":"Welcome#123"
            },
            "componentParameters":{
                "OTD":{
                    "param1":"value1"
                }
            }
        }
    }
}
```

Example

```
$ psm stack stop -n MyStack -c c://myDisk/payloads/stop.json
```

psm stack validate-template

Use this command to validate a Stack template (file) before importing it to the Cloud.

Syntax

```
psm stack validate-template -f|--template filePath
    [-p|--parameter-values key:ValuePair]
    [-of|--output-format json|html|short]
    [-wc|--wait-until-complete true|false]
```

Parameters

All parameters are required unless otherwise noted.

Parameter	Description
`-f|--template filePath`	Fully-qualified path to the stack YAML template.
`-p|--parameter-values key:ValuePair`	(Optional) The key:value pair that specifies the values for parameters in the template YAML file. Template parameters are seperated by spaces.
`-of|--output-format json|html|short`	(Optional) Desired output format. **Accepted values:** `json, html, short` The default output format is the one you specified when using the `psm setup` command to configure the psm CLI.

Parameter	Description

`-wc|--wait-until-complete true|false`	(Optional) A boolean value that, when set to `true`, makes the command behave synchronously; that is, it does not return until the submitted job is complete. The following message is displayed until the job is complete:
	
	`Waiting for the job to complete...`
	`(it cannot be cancelled)`
	
	Default: `false`

Example

```
$ psm stack validate-template -f myDevTeamStack.yaml -of json
{
    "details":{
        "message":"Validation completed. No errors found"
    }
}
```