

Oracle Unified Directory Bundle Patch Readme

This document describes Bundle Patch 12.2.1.3.220329 for Oracle Unified Directory.

This document requires base installation of Oracle Unified Directory 12c (12.2.1.3.0). It includes the following sections:

- [Understanding Bundle Patches](#)
- [Bundle Patch Recommendation](#)
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- [Before Applying the Bundle Patch](#)
- [Using the Oracle Patch Mechanism \(Opatch\)](#)
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Understanding Bundle Patches

This section describes bundle patches and explains differences between bundle patches, interim patches (also known as patch set exceptions), and patch sets.

- [Stack Patch Bundle](#)
- [Bundle Patch](#)
- [Interim Patch](#)
- [Patch Set](#)

Stack Patch Bundle

Stack patch Bundle deploys the IDM product and dependent FMW patches using a tool. For more information about these patches, see *Quarterly Stack Patch Bundles (Doc ID 2657920.1)* at <https://support.oracle.com>.

Bundle Patch

A bundle patch is an official Oracle patch for Oracle Unified Directory. In a bundle patch release string, the fifth digit indicated the bundle patch number. Effective November 2015, the version numbering format has changed. The new format replaces the numeric fifth digit of the bundle version with a release date in the form "YYMMDD" where:

- YY is the last 2 digits of the year
- MM is the numeric month (2 digits)
- DD is the numeric day of the month (2 digits)

Each bundle patch includes libraries and files that have been rebuilt to implement one or more fixes. All of the fixes in a bundle patch are tested and certified to work with one another. Each bundle patch is cumulative. That is, the latest bundle patch includes all fixes in earlier bundle patches for the same release.

Interim Patch

In contrast to a bundle patch, an interim patch addressed only one issue for a single component. Although each interim patch was an official Oracle patch, it was not a complete product distribution and did not include packages for every component. An interim patch included only the libraries and files that had been rebuilt to implement a specific fix for a specific component.

You may also know an interim patch as: security one-off, exception release, x-fix, PSE, MLR, or hotfix.

Patch Set

A patch set is a mechanism for delivering fully tested and integrated product fixes. A patch set can include new functionality. Each patch set includes the libraries and files that have been rebuilt to implement bug fixes (and new functions, if any). However, a patch set might not be a complete software distribution and might not include packages for every component on every platform. All of the fixes in a patch set are tested and certified to work with one another on the specified platforms.

Bundle Patch Recommendation

Oracle has certified the dependent Middleware component patches for Identity Management products and recommends that Customers apply these certified patches. For more information on these patches, see the note *Certification of Underlying or*

Bundle Patch Requirements

Before you run OPatch, find the OPatch utility in the Oracle home (`ORACLE_HOME`) and verify that you have the latest version.

Complete the following steps before you apply the bundle patch:

- Verify that the OPatch version is 13.9.4.2.7 or higher.
 1. Run `opatch version` to check if your Opatch version is earlier than 13.9.4.2.7. If so, download the latest 13.9.4.2.7 version.
See [Locating and Obtaining the Latest Version of OPatch](#) in *Patching with OPatch*.
 2. Access and log into My Oracle Support at the following location:
<https://support.oracle.com/>
 3. In the Search Knowledge Base field, enter **2622426.1**. This is the ID of the document that describes how to get the correct OPatch.
 4. In the search results, click the link corresponding to document ID **2622426.1**.
 5. In the document, click the **Patch 28186730** link which will take you to the screen where you can obtain the OPatch 13.9.4.2.7 or higher.

- Verify the OUI Inventory:

OPatch needs access to a valid OUI inventory to apply patches. Validate the OUI inventory with the following commands:

Unix

```
$ opatch lsinventory
```

Windows

```
opatch.bat lsinventory
```

If the command throws errors than contact Oracle Support and work to validate and verify the inventory setup before proceeding.

- Confirm the executables appear in your system `PATH`.

Unix

```
$ which opatch
```

```
$ which unzip
```

Windows

```
where opatch.bat
```

```
where unzip
```

If the command errors out, contact Oracle Support and work to validate and verify the inventory setup before proceeding. If either of these executables do not show in the `PATH`, correct the problem before proceeding.

- Create a location for storing the unzipped patch. This location will be referred to later in the document as `PATCH_TOP`.

Before Applying the Bundle Patch

Before you apply the bundle patch for Oracle Unified Directory 12c (12.2.1.3.0), you must set the environment variable and stop all the Directory Server instances and domains.

Note:

You must read about the OUDSM auto redeployment instructions in [Documentation Updates](#) before applying this bundle patch.

You must complete the following prerequisites for applying the bundle patch:

1. Set `ORACLE_HOME` environment variable to Oracle Middleware Home Location (under which OUD is installed).

For example:

Unix

```
$ <bash> export ORACLE_HOME="Oracle Middleware Home Location"
```

Windows

```
<prompt> set ORACLE_HOME="Oracle Middleware Home Location"
```

2. Verify that `ORACLE_HOME` is set correctly by running the following command.

Unix

```
ls $ORACLE_HOME/OPatch/opatch
```

Windows

```
dir %ORACLE_HOME%\OPatch\opatch.bat
```

3. Stop all the Directory Server instances and domains where Oracle Unified Directory Services Manager (OUDSM) is installed, depending upon the domain configuration.

- a. **Stop Standalone Oracle Unified Directory Server**

If you installed Oracle Unified Directory in a Standalone Oracle Unified Directory Server (Managed independently of WebLogic server) mode, stop all the Directory Server instances using the `stop-ds` command.

Unix

```
ORACLE_HOME/INSTANCE_NAME/OUUD/bin/stop-ds
```

Windows

```
ORACLE_HOME\INSTANCE_NAME\OUUD\bat\stop-ds.bat
```

b. Stop Collocated Oracle Unified Directory Server

If you installed Oracle Unified Directory in a Collocated Oracle Unified Directory Server (Managed through WebLogic server) mode, complete the following steps:

- i. Stop the OUD instance by running the following command from command line interface.

Unix

```
DOMAIN_HOME/bin/stopComponent.sh INSTANCE_NAME
```

Windows

```
DOMAIN_HOME\bin\stopComponent.bat INSTANCE_NAME
```

- ii. Stop the node manager.

Unix

```
DOMAIN_HOME/bin/stopNodeManager.sh
```

Windows

```
DOMAIN_HOME\bin\stopNodeManager.cmd
```

- iii. Stop the Oracle WebLogic Administration Server.

Unix

```
DOMAIN_HOME/bin/stopWebLogic.sh
```

Windows

```
DOMAIN_HOME\bin\stopWebLogic.cmd
```

c. Stop the Oracle Directory Integration Platform and OUDSM Configured in a Single Domain

 **Note:**

This is optional only for configurations with DIP/OU DSM in a Single Domain.

If you added OUDSM and Oracle Directory Integration Platform in a single domain, you must stop the Admin Server and Managed Server.

- i. Stop the Oracle Directory Integration Platform Managed Server:

Unix

```
DOMAIN_HOME/bin/stopManagedWebLogic.sh
```

Windows

```
DOMAIN_HOME\bin\stopManagedWebLogic.cmd
```

- ii. Stop the Oracle WebLogic Administration Server:

Unix

```
DOMAIN_HOME/bin/stopWebLogic.sh
```

Windows

```
DOMAIN_HOME\bin\stopWebLogic.cmd
```

 **Note:**

See [Understanding the Oracle Unified Directory Installation Directories](#) to know about OUD installation directories.

Using the Oracle Patch Mechanism (Opatch)

Use OPatch to perform the necessary steps for applying a patch to an Oracle home.

 **Note:**

You must have the latest version of Opatch (version 13.9.4.2.7) from [My Oracle Support](#). Opatch requires access to a valid Oracle Universal Installer (OUI) Inventory to apply patches.

The patching process uses both unzip and Opatch executables. After sourcing the `ORACLE_HOME` environment, Oracle recommends that you confirm that both of these exist before patching. Opatch is accessible at:

```
$ORACLE_HOME/OPatch/opatch
```

When Opatch starts, it validates the patch to ensure there are no conflicts with the software already installed in your `$ORACLE_HOME`:

- If you find conflicts with a patch already applied to the `$ORACLE_HOME`, stop the patch installation and contact Oracle Support Services.
- If you find conflicts with a subset patch already applied to the `$ORACLE_HOME`, continue Bundle Patch application. The subset patch is automatically rolled back before installation of the new patch begins. The latest Bundle Patch contains all fixes from the previous Bundle Patch in `$ORACLE_HOME`.

This Bundle Patch is not `-auto` flag enabled. Without the `-auto` flag, no servers need to be running. The Machine Name & Listen Address can be blank on a default install.



See Also:

[Patching with OPatch](#)

Identifying the Version of OPatch Included with Oracle Unified Directory 12c

In general, there is a version of OPatch available for each version of the Oracle Universal Installer software.

To identify the version of OPatch:

1. Change directory to the following directory:

```
cd ORACLE_HOME/OPatch/
```

2. Run the following command:

```
./opatch version
```

For example:

```
./opatch version  
OPatch Version: 13.9.4.2.7
```

```
OPatch succeeded.
```

Applying the Bundle Patch

Unzip the patch zip file and run OPatch to apply the patch.

To apply the bundle patch, complete the following steps:

1. Unzip the patch zip file into the `PATCH_TOP` , where `PATCH_TOP` is a directory path that temporarily contains the patch for installation.

Unix

```
$ unzip -d PATCH_TOP p34012477_122130_Generic.zip
```

Windows

```
unzip -d PATCH_TOP p34012477_122130_Generic.zip
```

Note:

On Windows, the unzip command has a limitation of 256 characters in the path name. If you encounter this, use an alternate ZIP utility such as 7-Zip to unzip the patch. For example, run the following command to unzip using 7-Zip:

```
"c:\Program Files\7-Zip\7z.exe" x  
p34012477_122130_Generic.zip
```

2. Set your current directory to the directory where the patch is located. For example:

Unix

```
$ cd PATCH_TOP/34012477
```

Windows

```
cd PATCH_TOP\34012477
```

3. Run OPatch to apply the patch.

Unix

```
$ [ORACLE_HOME]/OPatch/opatch apply
```

Windows

```
[ORACLE_HOME]\OPatch\opatch.bat apply
```

ORACLE_HOME

- Conflicts with a patch already applied to the `ORACLE_HOME`.

In this case, stop the patch installation, and contact Oracle Support Services.

- Conflicts with subset patch already applied to the `ORACLE_HOME`.

In this case, continue the install, as the new patch contains all the fixes from the existing patch in the `ORACLE_HOME`.

After Applying the Bundle Patch

You need to perform certain tasks after applying the bundle patch.

Perform the following steps after applying the bundle patch:

1. Verify if the Oracle Unified Directory installation has been patched by running the `start-ds` command.

For example:

Unix

```
$ [ORACLE_HOME]/<dsInstanceName>/OUD/bin/start-ds -F
```

Windows

```
[ORACLE_HOME]\<dsInstanceName>\OUD\bat\start-ds.bat -F
```



Note:

OID patch version can be determined from the output, based on the values for Build ID, Platform Version and Label Identifier fields.

2. Upgrade Oracle Unified Directory server instances that are associated with the `ORACLE_HOME` directory.

For example:

Unix

```
$ [ORACLE_HOME]/<OUD-Instance-Path>/OUD/bin/start-ds --upgrade
```

Windows

```
[ORACLE_HOME]/<OUD-Instance-Path>\OUD\bat\start-ds.bat --upgrade
```

The preceding step is executed to upgrade OUD instance according to the patched version of OUD in `ORACLE_HOME`. If `start-ds` is executed to start OUD instance without executing `start-ds --upgrade`, following message will be displayed: Instance needs to be upgraded. Please run the `start-ds` command with the option "--upgrade"

3. Start all the Directory Server instances depending upon the domain configuration.

Start Standalone Oracle Unified Directory Server

If you installed Oracle Unified Directory in a Standalone Oracle Unified Directory Server (Managed independently of WebLogic server) mode, start all the Directory Server instances using the `start-ds` command. For example:

Unix

```
$ [ORACLE_HOME]/<dsInstanceName>/OUD/bin/start-ds
```

Windows

```
[ORACLE_HOME]\<dsInstanceName>\OUD\bat\start-ds.bat
```

Start Collocated Oracle Unified Directory Server

If you installed Oracle Unified Directory in a Collocated Oracle Unified Directory Server (Managed through WebLogic server) mode, complete the following steps:

- a. Start the Oracle WebLogic Administration Server.

Unix

```
DOMAIN_NAME/bin/startWebLogic.sh
```

Windows

```
DOMAIN_HOME\bin\startWebLogic.cmd
```

- b. Start the node manager.

Unix

```
$DOMAIN_NAME/bin/startNodeManager.sh
```

Windows

```
DOMAIN_HOME\bin\startNodeManager.cmd
```

- c. Start the OUD instance by running the following command from command line interface.

Unix

```
startComponent.sh INSTANCE_NAME
```

For example:

```
$DOMAIN_HOME/bin/startComponent.sh oud1
```

where `oud1` is the instance name/server name created using WLST

Windows

```
startComponent.bat INSTANCE_NAME
```

For example:

```
DOMAIN_HOME\bin\startComponent.bat oud1
```

where `oud1` is the instance name/server name created using WLST

4. If you created and configured a WebLogic domain for OUDSM then you must restart the Administration Server. Allow the application server instance to redeploy the new `oudsm.ear` file in the patch.
5. If you added OUDSM and Oracle Directory Integration Platform in a single domain, you must start the Admin Server and Managed Server.
 - a. Start the Oracle WebLogic Administration Server.

Unix

```
DOMAIN_HOME/bin/startWebLogic.sh
```

Windows

```
DOMAIN_HOME\bin\startWebLogic.cmd
```

- b. Start the Oracle Directory Integration Platform Managed Server:

Unix

```
DOMAIN_HOME/bin/startManagedWebLogic.sh <wls_ods1>  
<ADMIN_SERVER_URL>
```

Windows

```
DOMAIN_HOME\bin\startManagedWebLogic.cmd <wls_ods1>  
<ADMIN_SERVER_URL>
```

Where `managed_server_name` specifies the name of the Managed Server (The default value is `wls_ods1`.) and `admin_url` specifies the listen address (host name, IP address, or DNS name) and port number of the domain's Administration Server.

6. You may need to update `Config.ldif` file to remove PIN file.
 - a. The attributes `ds-cfg-key-store-pin-file`, `ds-cfg-trust-store-pin-file`, and `ds-cfg-key-pin-file` are not removed for an upgraded instance for backward compatibility. You will see a warning during upgrade process stating that those attributes are still populated. Use `dsconfig` to remove the value of the attributes after upgrade has been done successfully.

- b. If a truststore configuration entry does not have its pin attribute populated then you will see a warning during upgrade and server startup. Use `dsconfig` to update the pin attribute with the password of the truststore to prevent those warnings.
- c. While creating a new instance with SSL port disabled, the default configuration entry for any disabled keystore or truststore would still have attribute `ds-cfg-key-store-pin-file` populated. This can be ignored. Whenever you enable that keystore or truststore then you will have to reset the pin-file attribute. You need to provide the pin of the keystore or truststore by using the pin attribute only.

Creating the File based Access Control Log Publisher

This step is optional. You can create a File Based Access Control Log publisher for diagnosing ACI evaluation. This publisher should be disabled as soon as diagnostic is over as it impacts server performance.

Note:

Once this publisher is created, the de-installation of this patch will not be possible as the server would no longer be able to start.

To create the File Based Access Control Log publisher, a server administrator must invoke the following `dsconfig` command against a server instance that is already up and running:

```
dsconfig create-log-publisher \
  --publisher-name "ACI logger" \
  --type file-based-access-control \
  --set enabled:true \
  --set log-file:logs/acilog \
  --hostname serverHostName --port 4444 \
  --trustAll --bindDN cn=Directory\ Manager \
  --bindPasswordFile passwordFile \
  --no-prompt
```

The following entry is created in the `config.ldif`: server configuration file:

```
dn: cn=ACI logger,cn=Loggers,cn=config
  objectClass: ds-cfg-log-publisher
  objectClass: ds-cfg-access-control-log-publisher
  objectClass: ds-cfg-file-based-access-control-log-publisher
  objectClass: top
  ds-cfg-enabled: true
  ds-cfg-java-class:
  org.opens.server.loggers.accesscontrol.TextAccessControlLogPublisher
  ds-cfg-asynchronous: true
  cn: ACI logger
  ds-cfg-log-file-permissions: 640
  ds-cfg-log-file: logs/acilog
```

Removing the Bundle Patch

If you experience any problems after installing the bundle patch, you can remove the bundle patch.

Note:

Before you remove the bundle patch, ensure that you shutdown Oracle Unified Directory, WebLogic Administration Server, and NodeManager. For more information, refer [Before Applying the Bundle Patch](#).

Run the following commands to remove the bundle patch:

1. Set the `ORACLE_HOME` environment variable for Oracle Middleware Home Location (Where Oracle Unified Directory is installed).

Unix

```
$ <bash> export ORACLE_HOME="Oracle Home Location"
```

Windows

```
<prompt> set ORACLE_HOME="Oracle Home Location"
```

2. Verify the OUI inventory by running the following command:

Unix

```
$ [ORACLE_HOME]/OPatch/opatch lsinventory
```

Windows

```
[ORACLE_HOME]\OPatch\opatch.bat lsinventory
```

3. Run `OPatch` to deinstall the patch:

Unix

```
$ [ORACLE_HOME]/OPatch/opatch rollback -id 34012477
```

Windows

```
[ORACLE_HOME]\OPatch\opatch.bat rollback -id 34012477
```

4. In the case of a Directory Server instance created after the application of this patch, once the patch is removed, the instance `buildinfo` still looks like:

```
$ cat [ORACLE_HOME]/<dsInstanceName>/OUD/config/buildinfo
12.2.1.3.220329.2203291213
```

5. The instance `buildinfo` must be manually changed back:

```
$ cp [ORACLE_HOME]/oud/config/buildinfo [ORACLE_HOME]/
<dsInstanceName>/OUD/config/buildinfo
```

For example,

```
$ cat [ORACLE_HOME]/<dsInstanceName>/OUD/config/buildinfo
12.2.1.3.220329.2203291213
```

6. After removing the bundle patch, start the OUD instance by running the following command:

Unix

```
$ [ORACLE_HOME]/<dsInstanceName>/OUD/bin/start-ds
```

Windows

```
[ORACLE_HOME]\<dsInstanceName>\OUD\bat\start-ds.bat
```

Resolved Issues

This section lists the issues resolved in 12c Release.

- [Resolved Issues in OUD Bundle Patch 12.2.1.3.220329](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.210929](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.210408](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.200827](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.200623](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.0 \(ID:191219.0108\)](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.0 \(ID:190522.0537\)](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.0 \(ID:180829.0419\)](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.0 \(ID:180626.0326\)](#)
- [Resolved Issues in OUD Bundle Patch 12.2.1.3.0 \(ID:180322.2306\)](#)

Resolved Issues in OUD Bundle Patch 12.2.1.3.220329

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.220329:

Table 1-1 Issues Resolved in OUD Bundle Patch 12.2.1.3.220329

| Bug Number | Description |
|------------|---|
| 28311056 | ADD CONFIGURABLE SEARCHCOUNTLIMIT PARAMETER IN OUD PROXY |
| 31087872 | FIX for BUG 31087872 |
| 32283362 | OULD DOES NOT RESPECT SIZE LIMITS WHEN USING PROXY AUTHORIZATION |
| 32656018 | --PROPERTIESFILEPATH" IS NOT WORKING WITH OUD STATUS COMMAND |
| 32576057 | OULD 12C USER PASSWORD POLICY ATTRIBUTES NOT REMOVED FROM UNTRUSTED REPLICA |
| 33377025 | MODIFICATIONS RESULTS IN 2 PWDFailureTime ATTRIBUTES WHILE REPLICATION WORKS. |
| 32577340 | OULD - UPDATES TO SCHEMA NOT BEING WRITTEN OUT TO 99USER.LDIF |
| 33276603 | OULD 12.2.1.4 REPLICATION GATEWAY REPLICATING INCOMPLETE TOMBSTONES FROM ODSEE 11 |
| 33277588 | CREATE-PASSWORD-VALIDATOR --TYPE CHARACTER-SET DISPLAYS AN EXTRA CHARACTER WHEN AND EXCLUDED CHARACTER IS ENCOUNTERED |
| 33517788 | OULD12C: ISMEMBEROF FILTER DOES NOT WORK AS EXPECTED |
| 33521773 | AD EXTENSION DOWN AFTER APPLYING THE LATEST OUD BP 33448950 12.2.1.4.211008 |

Resolved Issues in OUD Bundle Patch 12.2.1.3.210929

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.210929:

Table 1-2 Issues Resolved in OUD Bundle Patch 12.2.1.3.210929

| Bug Number | Description |
|------------|--|
| 32643974 | OULD 12C ACI NOT EVALUATED PROPERLY W/SASL EXTERNAL AND OBJECTCLASS=GROUPOFURLS |
| 33340220 | OULD 12CPS4 OCT'21 BP - DSREPLICATION ENABLE FAILING WITH NEW LISTENADDRESS1 PARAMETER |
| 26965203 | BINARY ATTRIBUTE CANNOT BE UPDATED AND ADDED AS NEW SAME NAME ATTRIBUTE |

Table 1-2 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.210929

| Bug Number | Description |
|-------------------|---|
| 33055228 | REPLICATION NULLPOINTEREXCEPTION CAUSED BY CONFLICTS-HISTORICAL-PURGE-DELAY AND REPLICATION-PURGE-DELAY |
| 32288501 | OULD PROXY- LOAD BALANCING ALGORITHM NOT DETECTING DISABLED BACKENDS |
| 32488611 | "LOG-CONNECTION-DETAILS" ENABLED THROWS "NULLPOINTEREXCEPTION" |
| 32440224 | LAST-LOGIN-TIME FOR REPLICATED SERVERS LOCATED IN DIFFERENT TIMEZONES |
| 32477736 | REPLICATION INITIALIZE FAILS ON BASE DN CONTAINING SLASH CHAR |
| 32690984 | CERTIFICATES GET CORRUPTED THROUGH THE REPLICATION GATEWAY:ODSEE-OULD 12.2.1.4 |
| 32441706 | OULD12.2.1.4.0:PASSWORD POLICY ALLOWING TO RE-USE OLD PASSWORDS STORED IN PWDHIST |
| 32968947 | OULD KERBEROS PTA /TMP FILE JAASXXXXXXXXXXXXXXXXXXXXX.CONF |
| 32130922 | OULD 12C FORKJOIN LDAPSEARCH FAILS WITH COMPLEX FILTER |
| 29530047 | PASSWORD VISIBLE IN ACCESS LOG OF FOR DB WORKFLOWS |
| 32038977 | OULD REPLICATION STOPPED WHILE BATCH DELETING WITH MANAGEDSAIT CONTROL |
| 31661241 | NEED TO DEFINE LISTEN-ADDRESS FOR REPLICATION SERVER |

Resolved Issues in OUD Bundle Patch 12.2.1.3.210408

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.210408:

Table 1-3 Issues Resolved in OUD Bundle Patch 12.2.1.3.210408

| Bug Number | Description |
|-------------------|--|
| 32562107 | ODSEE-OULD 12.2.1.4 CERTIFICATES GET CORRUPTED THROUGH THE REPLICATION GATEWAY |
| 31851470 | OULD 12C: ISMEMBER SEARCH RECEIVES STACKOVERFLOWERROR |

Table 1-3 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.210408

| Bug Number | Description |
|-------------------|--|
| 31745920 | OULD UNION PROXY SEARCHES RECEIVE A RESULT=4 WHEN PAGE-SIZE=0 FOR WFE |
| 30513440 | SUPPORT PASSWORD VALIDATORS AND GENERATORS IN SUBENTRY PASSWORD POLICY |
| 32208265 | CRYPTO MANAGER ORDERS CIPHERS ALPHABETICALLY (DIFFERENT THEN OTHER SSL HANDLERS) |
| 32065140 | REPLICATION IGNORES SCHEMA VIOLATION |
| 31546491 | CPU SPIKES AND UTILIZATION RESULTING IN TIMETHREAD ERROR |
| 31878749 | STACKING TRANSFORMATIONS MODIFY OPERATION FAILS |
| 31931564 | OULD 12C - LOG-CONNECTION-DETAILS CONFIG INCORRECTLY SHOWING IN FILE BASED AUDIT LOGGER MENU |
| 32019006 | SUPPORTING PWDMINLENGTH IN PASSWORD POLICY AT SUBENTRY LEVEL |
| 30666508 | NPE WHEN EXECUTING LDAPSEARCH ON OUD PROXY WITH PAGESIZE SET IN LDAPSERVEREXTENSION |
| 31666925 | THE OUD-SETUP SCRIPT DOES NOT RECOGNIZE A EXABYTE FS |
| 27028740 | UNIT TEST FAILURES RELATED TO PASSWORD |
| 26098635 | CAN NOT SYNC THE USER ENTRY PASSWORD FROM OUD TO AD BY ODIP |

Resolved Issues in OUD Bundle Patch 12.2.1.3.200827

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.200827:

Table 1-4 Issues Resolved in OUD Bundle Patch 12.2.1.3.200827

| Bug Number | Description |
|-------------------|--|
| 28401694 | ADD OPTION FOR ADDITIONAL BINDDN, CLIENTIP, AND PROTOCOL TO LOGGERS |
| 29359582 | STATUS COMMAND DOESN'T WORK WITH OUD 19C INSTALL |
| 30403293 | CANNOT UPGRADE 11G BECAUSE OF THE "DS-CFG-FETCH-AUTHENTICATED-USER" PROPERTY |

Table 1-4 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.200827

| Bug Number | Description |
|------------|---|
| 30832284 | OID 12C VIRTUAL ATTRIBUTE SUB CONTAINER PASSWORD POLICY INCONSISTENTLY APPLIED |
| 30871004 | OID 12.2.1.4 RETURN-BIND-ERROR-MESSAGES=TRUE NOT WORKING |
| 30963266 | OID 12C PASSWORD INVALID WHEN USING BRACE SPECIAL CHARACTER |
| 31013245 | ER OUD - S_CONN VALUES IN PROXY ACCESS LOGS SHOULD SHOW HOSTNAME OF DS SERVER |
| 31239817 | UNION WF DOES NOT SHOW OUTPUT IN DATA BROWSER TAB OF OUDSM |
| 31246776 | OID12CPS4: COMPLEX QUERIES USING NONEXISTING GROUP MEMBERSHIP RETURN ALL USERS |
| 31336975 | UNABLE TO ADD OR MODIFY OBJECT CLASSES AND ATTRIBUTES TO OUD 12C PS4 |
| 31377876 | REBUILD-INDEX DISABLES BACKEND WHEN USING MIXED DEFINED/ NOTDEFINED ATTRIBUTES |
| 31490532 | OID 12CPS4 JULY2020 BP - UPGRADE OF 12CPS3JULY'20 BP OUD DS INSTANCE TO 12CPS4JULY'20 BP IS FAILING |

Resolved Issues in OUD Bundle Patch 12.2.1.3.200623

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.200623:

Table 1-5 Issues Resolved in OUD Bundle Patch 12.2.1.3.200623

| Bug Number | Description |
|------------|---|
| 29971908 | OID 12C - DSREPLICATION STATUS IGNORES -I ADMINUID WHEN SPECIFIED VIA CLI |
| 30668734 | UNABLE TO USE UNDERSCORES IN DNS |
| 30012998 | SETTING DEPRECATED PASSWORD STORAGE SCHEME AND ADMIN PWD RESET CLEARS PWDRESET |
| 28467589 | START-DS IN DMZ SLOW |
| 30854158 | CODE CORRECTION FOR BUG 29676093 |
| 29757041 | OID 12C: DIGEST-MD5 SASL AUTH FAILS WITH LDAP 80 IF SEARCHING JOIN VIEW CONTEXT |

Table 1-5 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.200623

| Bug Number | Description |
|------------|---|
| 30651541 | OULD 12C - CUSTOM PASSWORD POLICY AND VALIDATOR IGNORED ON ACCOUNT CREATION |
| 30440259 | OULD INVALID PWDGRACEUSETIME ATTRIBUTE CREATED BY EUS. |
| 30521914 | AFTER INITIALIZATION THE RGW STATUS SHOWS AS "BAD DATA SET" |
| 30534318 | Fix for Bug 30534318 |
| 27137959 | DSREPLICATION PURGE-HISTORICAL COMMAND TIMES OUT |
| 29418242 | (JE 7.0.7) ENVIRONMENT MUST BE CLOSED, CAUSED BY: COM.SLEEPYCAT.JE.THREADINTERRU |

Resolved Issues in OUD Bundle Patch 12.2.1.3.0 (ID:191219.0108)

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.0 (ID:191219.0108):

Table 1-6 Issues Resolved in 12.2.1.3.0 (ID:191219.0108)

| Bug Number | Description |
|------------|--|
| 30265103 | OULD11G - BEFORE BP DS-RLIM-IDLE-TIME-LIMIT ATT. WAS IN SECS AFTER BP IS MS |
| 22450210 | GATEWAY: REPLICATION BROKEN MORE OFTEN THAN NOT |
| 29682036 | FORKJOIN WFE WITH LEFT-OUTER-JOIN DOES NOT WORK |
| 28781040 | FORKJOIN COMPLEX FILTER SPLITTED AS FILTER="(&)" |
| 29885985 | OULD ALLOWS ADDING USER INTO GROUP EVEN IF USER DOESN'T EXIST WHEN RI IS ENABLED |
| 30386441 | (JE 7.0.7) INTERRUPTEDEXCEPTION MAY CAUSE INCORRECT INTERNAL STATE |
| 30094884 | REGRESSION FOR BUG 29724794 |
| 29945677 | ISMEMBEROF SUBSTRING SEARCH FILTER RETURNS NO ENTRIES |
| 28135591 | UNABLE TO SPECIFY A DENIED-CLIENT HOSTNAME THAT BEGINS WITH A NUMERIC VALUE |

Table 1-6 (Cont.) Issues Resolved in 12.2.1.3.0 (ID:191219.0108)

| Bug Number | Description |
|------------|---|
| 29661762 | CUSTOM PASSWORD POLICIES REQUIRE A INDIVIDUAL "PASSWORDSTORAGESCHEME" |
| 29848584 | OLD 11G: HIGH CPU AND CAUSING LOSS OF SERVICE |
| 29868285 | ODSM CRASHES WHEN ACCESSING CORE CONFIG, WITH LATEST BP 28569189 |
| 30645038 | COUPLE OF NEWLY ADDED CORE-ENTRYCACHE TESTS FAILING IN FARM EXECUTION |
| 30074000 | Fix for Bug 30074000 |

Resolved Issues in OUD Bundle Patch 12.2.1.3.0 (ID:190522.0537)

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.0 (ID:190522.0537):

Table 1-7 Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:190522.0537)

| Bug Number | Description |
|------------|---|
| 29376960 | OLD12C: PROXY USING FORK JOIN HAVE QUERIES WITH RESULT=32 |
| 29026772 | ISSUE WITH FORCE-CHANGE-ON-ADD AFTER APPLYING BUNDLE PATCH 11.1.2.3.181016 |
| 29143490 | AFTER UPGRADE FROM OLD 11G TO OLD 12C PASSWORD VALIDATOR MANGELED |
| 27911963 | ODSM ORACLEJSP ERROR: JAVA.IO.FILENOTFOUNDEXCEPTION |
| 29320825 | PASSWORD REHASH NOT WORKING AFTER APPLYING PATCH 28817042 |
| 25633930 | FMW_DIAG_IMPROVEMENT - HANDLING EMPTY CATCH BLOCKS IN ADMIN, BACKEND & CORE |
| 28650524 | UNEXPECTED ERROR DURING THE INITIALIZATION OF SUFFIX |
| 28507697 | RDBMS WFE CANNOT ACCESS TABLE FROM DIFFERENT SCHEMA |
| 28564137 | ODSM IS VERY SLOW WITH A LARGE NUMBER OF BACKENDS |

Table 1-7 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:190522.0537)

| Bug Number | Description |
|------------|--|
| 28636130 | IMPORT-LDIF REJECTS TOMBSTONE ENTRIES WITH PARENT NO FOUND ERROR |
| 26773404 | ACI ISSUE WITH PTA KERBEROS TO AD |
| 28433125 | SIMPLE COMPLEX SEARCH FILTER USING ISMEMBEROF INCORRECTLY RETURNS NO ENTRIES |
| 27266700 | USERCERTIFICATE ATTRIBUTE DISPLAYED AS BINARY IN ODSM |
| 27601364 | ACCOUNT STATUS NOTIFICATION ARE NOT LOGGED IN ERROR FILE |

Resolved Issues in OUD Bundle Patch 12.2.1.3.0 (ID:180829.0419)

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180829.0419):

Table 1-8 Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180829.0419)

| Bug Number | Description |
|------------|---|
| 27847613 | CHANGING MULTIPLE-VALUES PASSWORD POLICY WITH 2 STORAGE SCHEME FAILS |
| 28017604 | OUD PROXY NON-RETRIEVABLE ATTRIBUTES FOR OPERATIONAL ATTRIBUTES NOT WORKING |
| 28130109 | BINDING AS SECONDARY PARTICIPANT USER FAILS AGAINST FORKJOIN CONFIGURATION |
| 27745214 | OUDSM 12C - EUS INFORMATION ARE NOT DISPLAYED |
| 27804567 | OAM NOT ABLE TO AUTHENTICATE TO OUD 12C PROXY USING RDBMS |
| 27032565 | APPENDING DATA VIA IMPORT-LDIF CAUSES ACI PRIVILEGE TO BE LOST |
| 27752576 | EUS WITH DB12CR2 OUD12C PROXY AND NOVELL NOT WORKING: ORA-28274 |

Table 1-8 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180829.0419)

| Bug Number | Description |
|------------|---|
| 28052332 | OID 12C FORK JOIN SECONDARY PARTICIPANT ISSUE WITH LDAPSEARCH FILTER |
| 27030137 | DIAG - AUDIT LOG TO STORE MODIFIERSNAME AND MODIFYTIMESTAMP. |
| 21839259 | LDAPSEARCHES RESULT NOT AS EXPECTED WHEN USING MEMBER IN NUMERIC FORMAT |
| 27940182 | OID 12C STATIC/VIRTUAL STATIC GROUP MEMBERSHIP CROSS REFERENCE AMONG SUFFIXES |
| 20033750 | ODSM: REPL MANAGER: AUTO REFRESH DOESN'T TAKE INTO ACCOUNT REPL GROUP SETTING |

Resolved Issues in OUD Bundle Patch 12.2.1.3.0 (ID:180626.0326)

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180626.0326)

Table 1-9 Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180626.0326)

| Bug Number | Description |
|------------|---|
| 28074093 | ONE OFF BUILD FAILED FOR PLATFORM_VERSION IN 12C APRIL BP |
| 27689317 | LDAPSEARCH WITH DYNAMICALLY LINKED USER AS UNIQUE MEMBER DOES NOT DISPLAY DESCR |
| 27782271 | HIGHLY COMPLEX SEARCH FILTERS DO NOT RETURN RESULTS AND SLOW DOWN SERVER |
| 27822171 | PATCH 27782271 WORKS ONLY UPTO 100 NESTED FILTERS |
| 27538880 | OID APRIL'18 BP (27491238) ISSUE |
| 27460616 | OID RETURNS A ROOT DSE ENTRY OF A REMOTE LDAP SERVER AS ITS OWN ROOT DSE ENTRY |
| 27768179 | ROUTINE RESTART OF OID SERVER MAKES OID UNRESPONSIVE |
| 27585207 | ERROR WHEN CHECKING THE COMPATIBILITY OF THE DSEE CONSUMER |

Table 1-9 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180626.0326)

| Bug Number | Description |
|------------|--|
| 27309834 | REBUILD-ALL INDEXES IN BETWEEN THE DELETE AND THE PURGE RESULT TOMBSTONES ISSUE |
| 27195037 | REPLICATION INFO MISSING ON ODSM REPLICATION TOPOLOGY TAB WHEN REPLICA OFFLINE |
| 26828546 | OUD ORCLSOURCEMODIFYTIMESTAMP ATTRIBUTE ALLOWS DUPLICATE ENTRIES |
| 27151076 | REGRESSION OF UPDATES ON SINGLE VALUED ATTRIBUTES ARE NOT REPLICATED PROPERLY |
| 27147081 | OUD USER RESOURCE LIMITS NOT ENFORCED ON SEARCHES USING PROXY-AUTH |
| 27116703 | OUD SERVER IN DIFFERENT LOCATIONS-REMOTE HOST CLOSED CONNECTION DURING HANDSHAKE |
| 26969822 | STOP-DS SLOW WHEN REPLICATION IS ENABLED |

Resolved Issues in OUD Bundle Patch 12.2.1.3.0 (ID:180322.2306)

The following table lists the issues resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180322.2306):

Table 1-10 Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180322.2306)

| Bug Number | Description |
|------------|---|
| 27337656 | OVD OBJECTCLASS MAPPER PLUGIN IN OUD |
| 27027834 | SUPPORT COMPLEX FILTER FOR TOKENIZE-ATTRIBUTE TRANSFORMATION |
| 26616633 | FMW_DIAG_IMPROVEMENT - HANDLING EMPTY CATCH BLOCKS IN WORKFLOWELEMENT |
| 26579516 | LDIF IMPORT VIA ODSM CONSOLE SHOWING INCORRECT STATUS |
| 25556682 | FMW_DIAG_IMPROVEMENT - HANDLING EMPTY CATCH BLOCKS IN REPLICATION |
| 27337538 | SAML XASP PLUGIN THROUGH OUD |

**Table 1-10 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.0
(ID:180322.2306)**

| Bug Number | Description |
|-------------------|--|
| 26878832 | ISMEMBEROF QUERY SLOW FOR COMPLEX SEARCHES INVOLVING STATIC GROUPS |
| 27036003 | ODE CORRECTION ON THE TRANSACTION OF BASE BUG 26828755 |
| 27337446 | COORDINATORADAPTER THROUGH UNION WFE IN OUD |
| 27337617 | DYNAMICGROUPS PLUGIN THROUGH OUD |
| 26557145 | DEBUG WARNING LOG MESSAGE IS REQUIRED TO HELP DEBUGGING |
| 26389404 | REPLICATION EXIT WITHOUT WRITING ANY LOG IN DEBUG LOG WHEN ENTRYUUID NOT FOUND |
| 26051378 | PWDRESET FLAG DOES NOT SYNC PROPERLY BETWEEN REPLICATED OUD SERVERS |
| 25659967 | OUD DELETED REFERENCE ENTRIES ARE NOT REPLICATING TO OTHER SERVERS |
| 24912151 | REPLICATION OUT OF SYNC AT ATTRIBUTE LEVEL AFTER STRESS TEST |
| 26651161 | DPS2OUD FAILS WITH ERROR "FATAL ERROR DURING THE PROCESSING OF THE DPS CONFIG" |
| 25543336 | OUD PROXY DOESN'T RETURN AD ENTRIES WITH DUPLICATE DSCOREPROPAGATIONDATA |
| 26397668 | OUD SEARCH BEHAVIOR WITH WHITESPACE AND WILDCARD (*) IN THE SEARCH FILTER |
| 25524876 | USERCERTIFICATE;BINARY ATTRIBUTE IS NOT SHOWED RIGHT |
| 27421407 | LDAPSEARCH RESULTS IN DIFFERENT ATTRIBUTES RETURNED BY LDAPSEARCH WRT OVD |
| 27638073 | UNION LDAPSEARCH WITH SEARCHFIRSTMATCH TRUE AUTOTUNESEARCHOPTION TRUE FAILS |
| 27621150 | OBJECTCLASS MAPPER TRANSFO:FILTER-ATTRIBUTE NOT APPLIED FOR LDAPSEARCH,COMPARE |
| 27567476 | LDAPSEARCH WITH DYNAMIC GROUPS PLUGIN CHANGES CASE OF O IN OUD OVD RETAINS IT |

Table 1-10 (Cont.) Issues Resolved in OUD Bundle Patch 12.2.1.3.0 (ID:180322.2306)

| Bug Number | Description |
|------------|--|
| 27499608 | LDAPSEARCH ISSUES WITH DYNAMIC GROUPS PLUGIN |
| 27716604 | OUD 12C APR'18 BP - DIFS OBSERVED IN DYNAMIC GROUPS PLUGIN TESTING. |
| 27456961 | LDAPSEARCH WITH ANONYMOUS ACCESS NEEDS TO DISPLAY NO ENTRY WITH SAML XASP PLUGIN |
| 27428553 | LDAPSEARCH IN OUD DOES NOT RETURN RESULTS WITHOUT OBJECTCLASS IN FILTER |
| 27537121 | LDAPSEARCH WITH FETCH-BOTH-STATIC-DYNAMIC DOES NOT WORK FOR DYNAMIC GRP PLUGIN |
| 27622404 | TOKENIZE ATTRIBUTE TRANSFORMATION - LDAPSEARCH RETURNS INVALID RESULTS |
| 27451993 | LDAPSEARCH RETURNS ALL ATTRIBUTES REGARDLESS OF ATTRIBUTE NAME IN SEARCH CRITERI |

Known Issues and Workarounds

For known issues and workarounds, log in to [My Oracle Support](#), and then search for 2568304.1, which is the ID of the document, *Oracle Fusion Middleware 12.2.1.3.0 Known Issues*.

For information about OPatch issues, log in to [My Oracle Support](#) and use the OPatch version provided with the product.

Documentation Updates

This section describes documentation updates for this release.

 **Note:**

Refer [Admin REST APIs for Oracle Unified Directory](#).

OU DSM Auto Redeployment Instructions

The `oudsm.ear` file is shipped along with the OUD bundle patch.

```
(bpatchnumber/files/oracle.idm.oud.odsm/12.2.1.3.0/  
oracle.idm.oud.odsm.symbol/odsm/oudsm.ear)
```

A new `oudsm.ear` file is included with OUD Bundle Patch 12.2.1.3.220329 would be patched at the following location:

```
$ORACLE_HOME/oud/odsm/oudsm.ear
```

When you restart the Server for the first time after applying the patch, it will automatically redeploy the new `oudsm.ear` file. Therefore, you might experience a slower restart of the Server. You must look at the logs related to `oudsm.ear` file deployment.

If for any reason the `oudsm.ear` file deployment fails during the first restart of the Server, then you manually need to redeploy the file.

Related Documents

For more information, see the following resources:

- [Oracle Fusion Middleware Documentation](#)
This contains documentation for all Oracle Fusion Middleware 12c products.
- [Oracle Technology Network](#)
This site contains additional documentation that is not included as part of the documentation libraries.

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Oracle Fusion Middleware Oracle Unified Directory Bundle Patch Readme, 12c (12.2.1.3.220329)
F54984-02

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