# Oracle® Fusion Middleware

# REST API for Managing Credentials and Keystores with Oracle Web Services Manager

12*c* (12.2.1.4.0)
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Oracle Fusion Middleware REST API for Managing Credentials and Keystores with Oracle Web Services Manager, 12*c* (12.2.1.4.0)

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# Contents

# A Summary of REST APIs

# Preface

This preface describes the document accessibility features and conventions used in this guide—*REST API for Managing Credentials and Keystores with Oracle Web Services Manager*.

## Documentation Accessibility

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## Conventions

The following text conventions are used in this document:

| Convention | Meaning |
|---|---|
| **boldface** | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary. |
| *italic* | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values. |
| `monospace` | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

# What's New In This Guide

The following topics introduce the new and changed features of Oracle Web Services Manager (OWSM) and other significant changes that are described in this guide, and provides pointers to additional information.

## New and Changed Features for 12*c* (12.2.1.4.0)

This revision contains no new features. Minor updates were made throughout the guide.

For a comprehensive listing of the new Oracle Web Services Manager features introduced in this release, see New and Changed Features for 12c (12.2.1.4.0) in *Securing Web Services and Managing Policies with Oracle Web Services Manager*.

## New and Changed Features for 12*c* (12.2.1.3.0)

Release 12*c* (12.2.1.3.0) supports new Rest API to import, export, or revoke a federation metadata document.

These updates are summarized in the following table:

**Features in Oracle Web Services Manager 12.2.1.3.0**

| Feature | Description |
|---|---|
| New Rest API to import, export, or revoke a federation metadata document. | • Import Federation Metadata Document Method<br>• Export Federation Metadata Document Method<br>• Revoke Federation Metadata Document Method |
| New Rest API to create or view virtual users for the Distinguished Name (DN). | • POST Virtual User for a DN<br>• Viewing Virtual User for a DN |
| Support for key rotating external identity providers | • Import JWK Document Trust Configurations<br>• Revoke JWK Trust Configurations |
| Support for File Type in JWK import REST APIs | • Import JWK Document Trust Configurations<br>• Revoke JWK Trust Configurations |
| HTTP Proxy support in JWK/ Discovery | • Import TrustDocument Name Configurations Method |

| Feature | Description |
| --- | --- |
| Disabling/ enabling trusted issuer temporarily | • Enabling and Disabling Token Issuer Trust |
| Create Tags for Trusted Issuer | • Create Tags for Trusted Issuer |
| New Rest API to Import or Revoke WSM Discovery Metadata Trust Configuration | • Import WSM Discovery Metadata Trust Configurations<br>• Revoke WSM Discovery Metadata Trust Configurations |

For a comprehensive listing of the new Oracle Web Services Manager features introduced in this release, see New and Changed Features for 12c (12.2.1.3.0) in *Securing Web Services and Managing Policies with Oracle Web Services Manager*.

# New and Changed Features for 12*c* (12.2.1.2.0)

This revision contains no new features. Minor updates were made throughout the guide.

For a comprehensive listing of the new Oracle Web Services Manager features introduced in this release, see New and Changed Features for 12c (12.2.1.2.0) in *Securing Web Services and Managing Policies with Oracle Web Services Manager*.

# New and Changed Features for 12*c* (12.2.1.1.0)

Minor updates, such as fixes or corrections were made to this document.

For a comprehensive listing of the new Oracle Web Services Manager features introduced in this release, see New and Changed Features for 12c (12.2.1.1.0) in *Securing Web Services and Managing Policies with Oracle Web Services Manager*.

# Part I

# Getting Started with the REST API

You should get started using the Oracle Fusion Middleware REST API for managing credentials and keystores.

Part I contains the following chapters:

- About the REST API
- Use Cases for the REST API

1

# About the REST API

An introduction of Oracle Fusion Middleware representational state transfer (REST) API for managing credentials and keystores is detailed in this chapter.
It includes the following topics:



## 1.1 Introduction to REST API

The credential and keystore management REST API provides endpoints for creating and configuring credential stores, keystores, and trust stores for your domain or web services.

You can access the REST endpoints through Web browsers and client applications.

You can also use the Oracle WSM REST endpoints in REST client applications that are developed in languages such as:

- JavaScript
- Ruby
- Perl
- Java
- JavaFX

Before using the REST API, you need to understand a few important concepts, as described in the following sections.

## 1.2 URL Structure for Security Stores

You can use certain URL structures to manage security stores.

Use the following URL to manage security stores:

`http(s)://host:port/idaas/contextpath/admin/v1/resource`

Where:

- *host*:*port*—Host and port where Oracle Fusion Middleware is running.
- *contextpath*—Context path for the REST resource. This value can be set to `platform` for resources that apply across the domain (for example, keystore and

credential management resources), or `webservice` for resources that apply to a specific web service (for example, trust management resources).

- *`resource`*—Relative path that defines the REST resource. For more information, see REST API Reference To access the Web Application Definition Language (WADL) document, specify `application.wadl`.

# 1.3 Create and Manage Oracle WSM Instances Using REST

The Oracle WSM REST endpoints support standard methods for creating and managing Oracle WSM instances.

| REST Method | Task |
|---|---|
| `GET` | Retrieve information about the REST resource. |
| `POST` | Add a REST resource. |
| `PUT` | Update a REST resource. |
| `DELETE` | Delete a REST resource. |

# 1.4 Authenticating REST Resources

You can access the Oracle Fusion Middleware REST resources over HTTP and you must provide your Oracle WebLogic Server administrator user name and password.

For example, to authenticate using cURL, pass the user name and password (for example, Smith and *Password*) using the `-u` cURL option.

```
curl -i -X GET -u Smith:Password http://myhost:7001/idaas/platform/admin/v1/keystore
```

For `POST` and `DELETE` methods, which do not send data in the request body, if a keystore or key is password-protected, you must pass the Base64-encrypted keystore and key passwords, respectively, in custom headers. For example:

```
curl -i -X DELETE -u Smith:Password -H keystorePassword:Base64EncodedPassword -H
keyPassword:Base64EncodedPassword  http://myhost:7001/idaas/platform/admin/v1/
keystoreservice/
certificates?"stripeName=myStripe&keystoreName=myKeystore&keyAlias=myAlias"
```

# 1.5 HTTP Status Codes for HTTP Methods

The HTTP methods used to manipulate the resources described in this topic return one of the following HTTP status codes:

| HTTP Status Code | Description |
|---|---|
| 200 OK | The request was successfully completed. A 200 status is returned for successful `GET` or `POST` method. |

| HTTP Status Code | Description |
|---|---|
| 201 Created | The request has been fulfilled and resulted in a new resource being created. The response includes a Location header containing the canonical URI for the newly created resource.<br>A 201 status is returned from a synchronous resource creation or an asynchronous resource creation that completed before the response was returned. |
| 202 Accepted | The request has been accepted for processing, but the processing has not been completed. The request may or may not eventually be acted upon, as it may be disallowed at the time processing actually takes place.<br>When specifying an asynchronous (`__detached=true`) resource creation (for example, when deploying an application), or update (for example, when redeploying an application), a 202 is returned if the operation is still in progress. If `__detached=false`, a 202 may be returned if the underlying operation does not complete in a reasonable amount of time.<br>The response contains a Location header of a job resource that the client should poll to determine when the job has finished. Also, returns an entity that contains the current state of the job |
| 400 Bad Request | The request could not be processed because it contains missing or invalid information (such as, a validation error on an input field, a missing required value, and so on). |
| 401 Unauthorized | The request is not authorized. The authentication credentials included with this request are missing or invalid. |
| 403 Forbidden | The user cannot be authenticated. The user does not have authorization to perform this request. |
| 404 Not Found | The request includes a resource URI that does not exist. |
| 405 Method Not Allowed | The HTTP verb specified in the request (`DELETE`, `GET`, `POST`, `PUT`) is not supported for this request URI. |
| 406 Not Acceptable | The resource identified by this request is not capable of generating a representation corresponding to one of the media types in the Accept header of the request. For example, the client's Accept header request XML be returned, but the resource can only return JSON. |
| 415 Not Acceptable | The client's ContentType header is not correct (for example, the client attempts to send the request in XML, but the resource can only accept JSON). |
| 500 Internal Server Error | The server encountered an unexpected condition that prevented it from fulfilling the request. |
| 503 Service Unavailable | The server is unable to handle the request due to temporary overloading or maintenance of the server. The Oracle WSM REST web application is not currently running. |

# 2
# Use Cases for the REST API

A demonstration of several use cases using the REST API is detailed in this chapter.

- Managing the Credential Store Framework Using the REST API
- Managing JKS Keystores Using the REST API
- Managing KSS Keystores Using the REST API
- Managing Token Issuer Trust Using the REST API

## 2.1 Managing the Credential Store Framework Using the REST API

You can view and manage the credential store framework using the REST APIs.

The following use case shows you how to:

- Create a credential in the credential store
- View all credentials in the credential store
- Delete a credential from the credential store

> **Note:**
>
> For more information about credential store management, see "Configuring the Credential Store" in *Administering Web Services*.

TESTED

To manage the credential store framework using the REST API:

1. Create a credential in the credential store framework by performing the following steps:
   a. Create a JSON document, `createcred.json`, that defines the credential that you want to create.

      The following shows an example of the request document. In this example, the name of the credential map is `default`, the credential key is `myKey`, and the username and password credentials are `myUsr` and `myPwd`, respectively.

      ```
      {
          "username" : "username",
          "credential" : "pwd",
          "key" : "mykey",
          "map" : "oracle.wsm.security"
      }
      ```

For more information about the request attributes, see "POST Credential Method".

b. Using cURL, create a credential in the credential store framework, passing the JSON document defined in the previous step.

```
curl -i -X POST -u username:password --data @createcred.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/credential
```

The following shows an example of the response indicating the request succeeded.

```
{
    "STATUS": "Succeeded"
}
```

For more information, see "POST Credential Method".

2. View all credentials in the credential store.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
credential
```

The following shows an example of the response, showing all credentials in the credential store:

```
{
    "CSF_MAP_NAME": "CSF_KEY_NAME",
    "default": "systemuser",
    "oracle.wsm.security": [
        "sign-csf-key",
        "jwt-sign-csf-key",
        "owsmtest.credentials",
        "basic.client.credentials",
        "weblogic-csf-key",
        "enc-csf-key",
        "mykey",
        "dummy-pwd-csf-key",
        "weblogic-kerberos-csf-key",
        "keystore-csf-key",
        "weblogic-windowsdomain-csf-key",
        "oratest-csf-key",
        "csr-csf-key",
        "invalid-csf-key",
        "ca-signed-sign-csf-key"
    ]
}
```

For more information, see "GET Credential Method".

3. Delete the credential from the credential store.

```
curl -i -X DELETE -u username:password http://myhost:7001/idaas/webservice/
admin/v1/credential?"key=mykey&map=oracle.wsm.security"
```

You must pass query parameters to define the map and key names associated with the credential store that you want to delete. For more information, see "DELETE Credential Method".

The following shows an example of the response indicating the request succeeded.

```
{
    "STATUS": "Succeeded"
}
```

# 2.2 Managing JKS Keystores Using the REST API

You can view and manage Java Keystore (JKS) certificates within the current domain using the REST APIs.

The following use case shows you how to:

- View all aliases in the JKS keystore.
- Import a trusted certificate into the JKS keystore.
- View a trusted certificate in the JKS keystore.
- Delete a trusted certificate from the JKS keystore.

> **Note:**
>
> For information about JKS keystore management, see "Configuring Keystores for Message Protection" in *Administering Web Services*.

TESTED

To manage JKS keystores using the REST API:

1. View all of the aliases that currently exist in the JKS keystore within the current domain:

   ```
   curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/keystore
   ```

   The following shows an example of the response, showing all aliases in the JKS keystore.

   ```
   {
      "aliases":"oratest,orakey,testkey,jkstest,ms-oauthkey"
   }
   ```

   For more information, see "GET All Aliases Trusted Certificate JKS Keystore Method".

2. Import the trusted certificate into the JKS keystore at the specified alias, by performing the following steps:

   a. Create a JSON document, `importjks.json`, that defines the trusted certificate to import into the JKS keystore.

      The following shows an example of the request document. In this example, the trusted certificate provided must be Base64-encoded and the component type must be set to `JKS` for this release.

      ```
      {   "component":"JKS",
        "certificate": "Bese64-encoded certificate"
      }
      ```

For more information about the request attributes, see "POST Specified Alias Trusted Certificate JKS Keystore Method".

b. Using cURL, import the trusted certificate, specifying the alias of the trusted key to be imported, `mytestkey`, and passing the JSON request document defined in the previous step.

```
curl -i -X POST -u username:password -H Content-type:application/json --data
@importjks.json http://myhost:7001/idaas/platform/admin/v1/keystore/mytestkey
```

The following shows an example of the response indicating the request succeeded.

```
{
    "STATUS":"Succeeded",
    "SUBJECT_DN":"CN=y,OU=y,O=y,L=y,ST=y,C=y"
}
```

For more information, see "POST Specified Alias Trusted Certificate JKS Keystore Method".

3. View the trusted certificate that you imported in step 3:

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
keystore/mytestkey
```

The following shows an example of the response, showing the details for the trusted certificate.

```
{
    "SUBJECT_DN":"CN=y,OU=y,O=y,L=y,ST=y,C=y",
    "ISSUER_DN":"CN=y,OU=y,O=y,L=y,ST=y,C=y",
    "NOT_BEFORE":"Thu Jul 03 04:00:16 PDT 2014",
    "NOT_AFTER":"Wed Oct 01 04:00:16 PDT 2014",
    "SERIAL_NO":"1784168778",
    "SIGNING_ALGORITHM":"1.2.840.10040.4.3",
    "CONTENT":"-----BEGIN CERTIFICATE-----\
Bese64-encoded certificate
-----END CERTIFICATE-----",
    "SIGNATURE": "Bese64-encoded signature key",
    "Extensions": "{subjectKeyIDExtension {oid = 2.5.29.14, critical = false,
value = f74ca5c1016d848260c749884e2b710c5fecc7b8}}"
}
```

For more information, see "GET Specified Alias Trusted Certificate JKS Keystore Method".

4. Delete the trusted certificate from the JKS keystore.

```
curl -i -X DELETE -u username:password http://myhost:7001/idaas/platform/
admin/v1/keystore/mytestkey
```

The following shows an example of the response indicating the request succeeded.

```
{
    "STATUS": "Succeeded"
}
```

For more information, see "DELETE Trusted Certificate JKS Keystore Method".

# 2.3 Managing KSS Keystores Using the REST API

You can view and manage Keystore Service (KSS) keystores using the REST APIs.

The following use case shows you how to:

- Create a KSS keystore
- View all KSS keystores for a stripe
- Import a trusted certificate into the KSS keystore
- View a trusted certificate in the JKS keystore
- Delete the KSS keystore

> **Note:**
>
> For more information about KSS keystore management, see "Configuring the OPSS Keystore Service for Message Protection" in *Administering Web Services*.

TESTED

To manage KSS keystores using the REST API:

1. Create a KSS keystore by performing the following steps:
   a. Create a JSON document, `createkss.json`, that defines the KSS keystore that you want to create.

      The following shows an example of the request document. In this example, the KSS stripe and keystore names are `myStripe` and `myKeystore`, respectively; the password for the KSS keystore is *`Passowrd`*; and the KSS keystore created is not permission-based.

      ```
      {
          "stripe" : "myStripe",
          "keystore" : "myKeystore",
          "pwd" : "Password",
          "permission" : "false"
      }
      ```

      For more information about the request attributes, see "POST New KSS Keystore Method".

   b. Using cURL, create a KSS keystore, passing the JSON document defined in the previous step.

      ```
      curl -i -X POST -u username:password -H Content-Type:application/json --data
      @createkss.json http://myhost:7001/idaas/platform/admin/v1/keystoreservice
      ```

      The following shows an example of the response indicating the request succeeded.

      ```
      {
          "STATUS": "Succeeded"
      }
      ```

For more information, see "POST New KSS Keystore Method".

2. View all KSS keystores for a stripe to confirm the KSS keystore was created.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
keystoreservice/myStripe
```

The following shows an example of the response, showing all KSS keystores in the stripe:

```
{
    "keystore 1:"myKeystore"
}
```

For more information, see "GET Stripe KSS Keystores Method".

3. Import a trusted certificate into the KSS keystore by performing the following steps:

   a. Create a JSON document, `importkss.json`, that defines the details of the trusted certificate that you want to import into the KSS keystore.

   The following shows an example of the request document. In this example, the KSS keystore is identified by its stripe and keystore names, `myStripe` and `myKeystore`, respectively; the KSS keystore password, *`Password`*, is required; the alias for the key is `myAlias`; the certificate is defined as a `TrustedCertificate`; and `keystoreEntry` specifies the encrypted certificate contents.

```
{
    "keyAlias" : "myAlias",
    "keystoreEntry":
"Bese64-encoded certificate",
    "keystoreEntryType" : "TrustedCertificate",
    "keystoreName" : "myKeystore",
    "stripeName" : "myStripe",
    "keystorePassword" : "Password"
}
```

   For more information about the request attributes, see "POST Trusted Certificate KSS Keystore Method".

   b. Using cURL, import a trusted certificate into the KSS keystore, passing the JSON document defined in the previous step.

```
curl -i -X POST -u username:password -H Content-Type:application/json --data
@importcertkss.json http://myhost:7001/idaas/platform/admin/v1/
keystoreservice/certificates
```

   The following shows an example of the response indicating the request succeeded.

```
{
    "STATUS": "Succeeded"
    "SUBJECT_DN": "CN=y,OU=y,O=y,L=y,ST=y,C=y"
}
```

   For more information, see "POST Trusted Certificate KSS Keystore Method".

4. View the trusted certificate that you just imported into the KSS keystore.

```
curl -i -X GET -u username:password -H keystorePassword:cHdkMQ== http://myhost:
7001/idaas/platform/admin/v1/keystoreservice/
```

```
certificates?"stripeName=myStripe&keystoreName=myKeystore&keyAlias=myAlias&keysto
reEntryType=TrustedCertificate"
```

You must pass query parameters to define the stripe name, keystore name and entry type, and alias name associated with the trusted certificate you want to view.

The following shows an example of the response, showing the details of the trusted certificate.

```
{
    "SUBJECT_DN":"CN=y,OU=y,O=y,L=y,ST=y,C=y",
    "ISSUER_DN":"CN=y,OU=y,O=y,L=y,ST=y,C=y",
    "NOT_BEFORE":"Fri Jul 25 02:45:11 PDT 2014",
    "NOT_AFTER":"Thu Oct 23 02:45:11 PDT 2014",
    "SERIAL_NO":"982191050",
    "SIGNING_ALGORITHM":"1.2.840.10040.4.3",
    "CONTENT":"-----BEGIN CERTIFICATE----- \n
Bese64-encoded certificate\n
-----END CERTIFICATE-----",
    "SIGNATURE":"Bese64-encoded signature key",
    "Extensions":"{subjectKeyIDExtension {oid = 2.5.29.14 critical = false,
value = 329b98f6b6225e92ca52513d3bfc43ee02aa9121}}"
}
```

For more information, see "GET Trusted Certificate KSS Keystore Method".

5. Delete the KSS keystore.

```
curl -i -X DELETE -u username:password -H keystorePassword:cHdkMQ== http://
myhost:7001/idaas/platform/admin/v1/
keystoreservice?"stripeName=myStripe&keystoreName=myKeystore"
```

You must pass query parameters to define the stripe and keystore name of the KSS keystore you want to delete. For more information, see "DELETE Keystore Service KSS Keystore Method".

The following shows an example of the response indicating the request succeeded.

```
HTTP/1.1 204 No Content
```

# 2.4 Managing Token Issuer Trust Using the REST API

You can view and manage token issuer trust using the REST APIs.

The following use case shows you how to:

- View all trusted issuers
- Create a trusted issuer
- Create a token attribute rule
- Delete a trusted issuer
- Create a trust document

> **Note:**
>
> For more information about token issuer trust management, see "Defining Trusted Issuers and a Trusted DN List for Signing Certificates" in *Administering Web Services*.

To manage token issuer trust using the REST API:

1. Create a trusted issuer document.

   ```
   curl -i -X POST -u username:password http://myhost:7001/idaas/webservice/
   admin/v1/trustdocument?"documentName=myTrustDocument&displayName=myTrustDocument"
   ```

   You must pass query parameters to define the document and display names for the trusted issuer document.

   The following shows an example of the response indicating the request succeeded.

   ```
   {
       "STATUS": "Succeeded",
       "Result": "New Token Issuer Trust document named "myTrustDocument" created."
   }
   ```

   For more information, see "POST TrustDocument Name Method".

2. Create the trusted issuers and DN lists, by performing the following steps:

   a. Create a JSON document, `createtrust.json`, that defines the trusted issuers and distinguished name (DN) lists that you want to create.

      The following shows an example of the request document. In this example, the following types of trusted issuers are created: SAML holder-of-key, SAML sender vouches, and JSON Web Token (JWT). For each trusted issuer, the name and DN list is defined.

      ```
      {
          "saml-trusted-dns":
          {
               "saml-hok-trusted-dns":
               {
                   "issuer": [
                   {
                       "-name": "www.oracle.com",
                       "dn": [ "wls1", ]
                   }
                   ]
               },
              "saml-sv-trusted-dns":
              {
                  "issuer": [
                     {
                         "-name": "www.oracle.com",
                         "dn": [ "wls2", ]
                     }
                ]
              },
              "jwt-trusted-issuers":
      ```

```
        {
            "issuer": [
            {
                "-name": "www.oracle.com",
                "dn": [ "CN=orakey, OU=Orakey,O=Oracle, C=US", ]
            }
            ]
        }
    }
}
```

For more information about the request attributes, see "POST Domain Trusted Issuers and Distinguished Name Lists Method".

b. Using cURL, create the trusted issuers and DN lists, passing the JSON document defined in step 2.

```
curl -i -X POST -u username:password --data @createtrust.json -H Content-
Type:application/json http://myhost:7001/idaas/webservice/admin/v1/trust/
issuers
```

The following shows an example of the response body indicating the request succeeded.

```
{
    "STATUS": "Succeeded"
}
```

For more information, see "POST Domain Trusted Issuers and Distinguished Name Lists Method".

3. Create a JSON document, `createtoken.json`, that defines the token attribute rules for the trusted DN lists.

The following shows an example of the request document. In this example:

- Create a separate "`token-attribute-rule`" entry for each trusted DN list for which you want to create a token attribute rule.
- Specify filters for the name-id and user attributes, as required.

For more information about the request attributes, see "POST Token Attribute Rule Distinguished Name Method (Domain Context)".

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "cn=orcladmin,o=oracle",
                "name-id":{
                    "filter":
                    {
                        "value":[ "filter1" ]
                    },
                    "mapping":
                    {
                        "user-attribute": "val3",
                        "user-mapping-attribute":"val4"
                    }
                },
                "attributes":
```

```
                [
                    {
                        "-name": "tenant1",
                        "attribute":
                        {
                            "filter":
                            {
                                "value": [
                                    "filter1",
                                    "filter2"
                                ]
                            },
                            "mapping":{
                                "user-attribute": "val1",
                                "user-mapping-attribute":"val2"
                            }
                        }
                    }
                ]
            }
        ]
    }
}
```

4. Create the token attribute rules for the trusted DN lists, passing the JSON document defined in step 4.

   **curl -i -X POST -u username:password --data @createrule.json http://myhost:7001/idaas/webservice/admin/v1/trust/token**

   The following shows an example of the response body indicating the request succeeded.

   ```
   {
       "STATUS": "Succeeded"
   }
   ```

   For more information, see "POST Token Attribute Rule Distinguished Name Method (Domain Context)".

5. View the configuration details for the trusted issuer.

   **curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/trustdocument?"documentName=myTrustDocument"**

   The following shows an example of the response body, showing the configuration details:

   ```
   {
       "STATUS":"Succeeded",
       "Result":"List of token issuer trust documents in the Repository:\nDetails
   of the document matching your request:\nName         : myTrustDocument\tDisplay
   Name : myTrustDocument\tStatus       : DOCUMENT_STATUS_COMMITED \nList of
   trusted issuers for this type:\tNone\nList of Token Attribute Rules\tNone"
   }
   ```

   For more information, see "GET TrustDocument Method ".

6. Delete the trusted issuer document.

   **curl -i -X DELETE -u username:password http://myhost:7001/idaas/webservice/admin/v1/trustdocument?"documentName=myTrustDocument&displayName=myTrustDocument"**

You must pass query parameters to define the document and display names for the trusted issuer document that you want to delete. For more information, see "DELETE Credential Method".

The following example shows the contents of the response body.

```
{
    "STATUS": "Succeeded",
    "Result": "Token Issuer Trust document named "myTrustDocument" deleted from
the repository."
}
```

# Part II
# REST API Reference

You can review details about the Oracle Fusion Middleware REST API for managing credentials and keystores.

Part II contains the following chapters:

# 3
# Manage Credentials in the Credential Store

Oracle Web Services Manager (WSM) uses the Credential Store Framework (CSF) to manage the credentials in a secure form.

Before using the REST API to view and manage the credential store, you need to understand how to access the REST resources and other important concepts. See "About the REST API".

For more information about credential store management, see "Configuring the Credential Store" in *Administering Web Services*.

This chapter includes the following sections:



## 3.1 View and Manage the Credential Store Using REST Resources

Representational state transfer (REST) resources enable you to view and manage the credential store.

You can view and manage the credential store using a set of representational state transfer (REST) resources, as summarized below.

| Section | Method | Resource Path |
|---|---|---|
| POST Credential Method | `POST` | `/idaas/platform/admin/v1/credential` |
| GET Credential Method | `GET` | `/idaas/platform/admin/v1/credential` |
| PUT Credential Method | `PUT` | `/idaas/platform/admin/v1/credential` |
| DELETE Credential Method | `DELETE` | `/idaas/platform/admin/v1/credential` |

## 3.2 POST Credential Method

Use the POST method to create a new credential in the domain credential store.

**REST Request**

```
POST /idaas/platform/admin/v1/credential
```

### Request Body

Media types for the request or response body: `application/json`

The request body contains the details of the create request:

| Attribute | Description | Required |
|---|---|---|
| `"credential"` | Password for the credential. | Yes |
| `"key"` | Name of the key. | Yes |
| `"map"` | Name of the map (folder). | Yes |
| `"username"` | Username for the credential. | Yes |

### Response Body

Media types for the request or response body: `application/json`

The response body returns the status of the create operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to create a credential in the credential store by submitting a POST request on the REST resource using cURL

TESTED

```
curl -i -X POST -u username:password --data @createcred.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/credential
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "username" : "username",
    "credential" : "credential",
    "key" : "mykey",
    "map" : "oracle.wsm.security"
}
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

# 3.3 GET Credential Method

Use the GET method to view all credentials in the domain credential store.

### REST Request

```
GET /idaas/platform/admin/v1/credential
```

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about all credentials in the credential store, including:

| Attribute | Description |
|---|---|
| `"CSF_MAP_NAME"` | Name of the credential store map. |
| `"default"` | List of keys in the default credential map. |
| `"oracle.wsm.security"` | List of keys in the Oracle Web Services Manager (Oracle WSM) security credential map. |

### cURL Example

The following example shows how to view all credentials in a credential store by submitting a GET request on the REST resource using cURL.

TESTED

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
credential
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "CSF_MAP_NAME": "CSF_KEY_NAME",
    "default": "systemuser",
    "oracle.wsm.security": [
        "sign-csf-key",
        "jwt-sign-csf-key",
        "owsmtest.credentials",
        "basic.client.credentials",
        "weblogic-csf-key",
        "enc-csf-key",
        "mykey",
        "dummy-pwd-csf-key",
```

```
        "weblogic-kerberos-csf-key",
        "keystore-csf-key",
        "weblogic-windowsdomain-csf-key",
        "oratest-csf-key",
        "csr-csf-key",
        "invalid-csf-key",
        "ca-signed-sign-csf-key"
    ]
}
```

# 3.4 PUT Credential Method

Use the PUT method to update a credential in the domain credential store.

### REST Request

`PUT /idaas/platform/admin/v1/credential`

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the update request:

| Attribute | Description | Required |
|---|---|---|
| `"credential"` | Updated password for the key in the keystore. | Yes |
| `"key"` | Name of the key that you want to modify. The key must exist. | Yes |
| `"map"` | Name of the map (folder) that you want to modify. | Yes |
| `"username"` | Username for the key in the keystore. | Yes |

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the update operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to update a credential in the credential store by submitting a PUT request on the REST resource using cURL.

TESTED

```
curl -i -X PUT -u username:password --data @updatecred.json -H Content-
Type:application/json http://myhost:7001/idaas/patform/admin/v1/credential
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "username" : "username",
    "credential" : "Password",
    "key" : "mykey",
    "map" : "oracle.wsm.security"
}
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

## 3.5 DELETE Credential Method

Use the Delete method to delete a credential from the domain credential store.

### REST Request

```
DELETE /idaas/platform/admin/v1/credential
```

### Parameters

The following table summarizes the DELETE request parameters.

| Name | Description | Type |
|---|---|---|
| "key" | Name of the key for the credential that you want to delete. | Query |
| "map" | Name of the map (folder) for the credential that you want to delete. | Query |

### Response Body

Media types for the request or response body: `application/json`

The response body returns the status of the delete operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

The following example shows how to delete a credential from the credential store by submitting a DELETE request on the REST resource using cURL.

TESTED

```
curl -i -X DELETE -u username:password http://myhost:7001/idaas/platform/admin/v1/
credential?"key=mykey&map=oracle.wsm.security"
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 204 No Content
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

# 4
# Manage Java Keystore Keystores

Before using the REST API to view and manage Java Keystore (JKS) keystores within a domain, you need to understand how to access the REST resources and other important concepts.

For more information, see "About the REST API".

For information about JKS keystore management, see "Configuring Keystores for Message Protection" in *Administering Web Services*.

This chapter includes the following sections:



## 4.1 View and Manage JKS keystores within a Domain Using REST Resources

Representational state transfer (REST) resources enable you to view and manage JKS keystores.

You can view and manage JKS keystores within a domain using a set of representational state transfer (REST) resources, as summarized below.

| Task | Method | Resource Path |
|---|---|---|
| GET All Aliases Trusted Certificate JKS Keystore Method | `GET` | `/idaas/platform/admin/v1/keystore` |
| POST Specified Alias Trusted Certificate JKS Keystore Method | `POST` | `/idaas/platform/admin/v1/keystore/{alias}` |
| POST PKCS#7 Trusted Certificate JKS Keystore Method | `POST` | `/idaas/platform/admin/v1/keystore/pkcs7/{alias}` |
| GET Specified Alias Trusted Certificate JKS Keystore Method | `GET` | `/idaas/platform/admin/v1/keystore/{alias}` |
| DELETE Trusted Certificate JKS Keystore Method | `DELETE` | `idaas/platform/admin/v1/keystore/{alias}` |

# 4.2 GET All Aliases Trusted Certificate JKS Keystore Method

Use the GET method to get all aliases for the trusted certificate entries in the JKS keystore.

### REST Request

```
GET /idaas/platform/admin/v1/keystore
```

### Response Body

Media types for the request or response body: `application/json`

The response body contains the list of aliases:

| Attribute | Description |
|---|---|
| `"aliases"` | Comma-separated list of aliases. |

### cURL Example

The following example shows how to view all aliases for the trusted certificate entries in the JKS keystore by submitting a GET request on the REST resource using cURL.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
keystore
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

TESTED

```
{
   "aliases":"oratest,orakey,testkey,jkstest,ms-oauthkey"
}
```

# 4.3 POST Specified Alias Trusted Certificate JKS Keystore Method

Use the POST method to import a trusted certificate at the specified alias into the JKS keystore. The certificate must be Base64 encoded.

### REST Request

```
POST /idaas/platform/admin/v1/keystore/{alias}
```

### Parameters

The following table summarizes the POST request parameter.

| Name | Description | Type |
|---|---|---|
| `alias` | Alias of the trusted certificate to be imported.<br>The alias will be created. The alias must not already exist in the JKS keystore; otherwise, the request will fail. | Path |

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the import request:

| Attribute | Description |
|---|---|
| `"certificate"` | Base64-encoded certificate. |
| `"component"` | Component to which the certificate is imported. This value must be set to JKS. |

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |
| `"SUBJECT_DN"` | Subject DN list that was imported. |

### cURL Example

The following example shows how to import a trusted certificate into the JKS keystore by submitting a POST request on the REST resource using cURL.

TESTED

```
curl -i -X POST -u username:password --data @importjkscert.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/keystore/mytestkey
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{   "component":"JKS",
  "certificate": "Bese64-encoded certificate"
}
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded",
    "SUBJECT_DN": "CN=y,OU=y,O=y,L=y,ST=y,C=y"
}
```

# 4.4 POST PKCS#7 Trusted Certificate JKS Keystore Method

Use the POST method to import a PKCS#7 trusted certificate or a certificate chain associated with a private key indicated by the specified alias into the JKS keystore.

### REST Request

```
POST /idaas/platform/admin/v1/keystore/pkcs7/{alias}
```

### Parameters

The following table summarizes the POST request parameter.

| Name | Description | Type |
|---|---|---|
| `alias` | Alias of the private key for which the trusted PKCS#7 certificate will be imported. The alias must already in the JKS keystore. | Path |

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the import request:

| Attribute | Description |
|---|---|
| `"certificate"` | Base64-encoded certificate. |
| `"component"` | Component to which the certificate is imported. This value must be set to JKS. |
| `"keyPassword"` | Password for the private key. |

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |
| "SUBJECT_DN" | Subject DN list that was imported. |

### cURL Example

The following example shows how to import a trusted PKCS#7 certificate into the JKS keystore by submitting a POST request on the REST resource using cURL.

```
curl -i -X POST -u username:password --data @importjkscert.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/keystore/pkcs7/
myprivatekey
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
   "component":"JKS",
   "certificate": "Bese64-encoded certificate",
    "keyPassword" : "Password"
}
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded",
    "SUBJECT_DN": "CN=y,OU=y,O=y,L=y,ST=y,C=y"
}
```

# 4.5 GET Specified Alias Trusted Certificate JKS Keystore Method

Use to GET method to view details of the trusted certificate at the specified alias in the JKS keystore.

If the alias specifies a `keyStore.TrustedCertificateEntry`, the details of the trusted certificate are returned. If the alias specifies a `KeyStore.PrivateKeyEntry`, the first certificate in the trusted certificate chain is returned.

### REST Request

```
GET /idaas/platform/admin/v1/keystore/{alias}
```

### Parameters

The following table summarizes the GET request parameters.

| Name | Description | Type |
|---|---|---|
| `alias` | Name of alias for which you want to view a trusted certificate. | Path |

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about the certificate, including:

| Attribute | Description |
|---|---|
| `"CONTENT"` | Contents of the Base64-encoded certificate. |
| `"Extensions"` | Optional extensions that are used to issue a certificate for a specific purpose. Each extension includes the following:<br>• Object identifier (oid) that uniquely identifies it<br>• Flag indicating whether the extension is critical<br>• Value |
| `"ISSUER_DN"` | List of trusted distinguished names. |
| `"NOT_AFTER"` | Date the certificate expires. |
| `"NOT_BEFORE"` | Date the certificate is activated. |
| `"SERIAL_NO"` | Serial number of the JKS keystore. |
| `"SIGNATURE"` | Base64-encoded signature key. |
| `"SIGNING_ALGORITHM"` | Signing algorithm for the alias. |
| `"SUBJECT_DN"` | Subject distinguished names list. |

### cURL Example

The following example shows how to view all certificates for an alias in the JKS keystore by submitting a GET request on the REST resource using cURL.

TESTED

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
keystore/mytestkey
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
   "SUBJECT_DN":"CN=weblogic,OU=Testkey for JKS Mbean
```

```
test,O=Oracle,L=testcity,ST=teststate,C=us",
   "ISSUER_DN":"CN=weblogic,OU=Testkey for JKS Mbean
test,O=Oracle,L=testcity,ST=teststate,C=us",
   "NOT_BEFORE":"Tue Jun 25 02:20:38 PDT 2013",
   "NOT_AFTER":"Wed Nov 27 01:20:38 PST 2052",
   "SERIAL_NO":"1372152038",
   "SIGNING_ALGORITHM":"1.2.840.113549.1.1.5",
   "CONTENT":"-----BEGIN CERTIFICATE-----\n
Bese64-encoded certificate\n
-----END CERTIFICATE-----",
   "SIGNATURE":"Bese64-encoded signature key",
   "Extensions":"{subjectKeyIDExtension {oid = 2.5.29.14 critical = false, value =
329b98f6b6225e92ca52513d3bfc43ee02aa9121}}"
}
```

# 4.6 DELETE Trusted Certificate JKS Keystore Method

Use the Delete method to delete a trusted certificate (`keyStore.TrustedCertificateEntry`) with the specified alias from the JKS keystore. You cannot delete the `keyStore.PrivateKeyEntry`.

### REST Request

```
DELETE /idaas/platform/admin/v1/keystore/{alias}
```

### Parameters

The following table summarizes the DELETE request parameters.

| Name | Description | Type |
|---|---|---|
| `alias` | Alias of the trusted certificate entry to be deleted. | Path |

### Response Body

Media types for the request or response body: `application/json`

The response body returns the status of the delete operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to delete a trusted certificate from the keystore by submitting a DELETE request on the REST resource using cURL.

TESTED

```
curl -i -X DELETE -u username:password http://myhost:7001/idaas/platform/admin/v1/
keystore/testalias
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

5

# View and Manage Keystore Service Keystores

Before using the REST API to view and manage Keystore Service (KSS) keystores, you need to understand how to access the REST resources and other important concepts.

See "About the REST API".

For more information about KSS keystore management, see "Configuring the OPSS Keystore Service for Message Protection" in *Administering Web Services*.

This chapter includes the following sections:



## 5.1 View and Manage KSS keystores Using REST Resources

You can view and manage KSS keystores using a set of representational state transfer (REST) resources, as summarized below.

| Section | Method | Resource Path |
|---|---|---|
| POST New KSS Keystore Method | `POST` | `/idaas/platform/admin/v1/keystoreservice` |
| POST Import KSS Keystore Method | `POST` | `/idaas/platform/admin/v1/keystoreservice/keystore` |
| PUT Password Update KSS Keystore Method | `PUT` | `/idaas/platform/admin/v1/keystoreservice` |
| POST Trusted Certificate KSS Keystore Method | `POST` | `/idaas/platform/admin/v1/keystoreservice/certificates` |

| Section | Method | Resource Path |
|---|---|---|
| GET Stripe KSS Keystores Method | GET | /idaas/platform/admin/v1/keystoreservice/{stripeName} |
| GET Alias KSS Keystore Method | GET | /idaas/platform/admin/v1/keystoreservice/alias/{stripeName}/{keystoreName}/{entryType} |
| GET Trusted Certificate KSS Keystore Method | GET | /idaas/platform/admin/v1/keystoreservice/certificates |
| DELETE Trusted Certificate KSS Keystore Method | DELETE | /idaas/platform/admin/v1/keystoreservice/certificates |
| POST Secret Key KSS Keystore | POST | /idaas/platform/admin/v1/keystoreservice/secretkey |
| GET Secret Key Properties KSS Keystore Method | GET | /idaas/platform/admin/v1/keystoreservice/secretkey |
| DELETE Keystore Service KSS Keystore Method | DELETE | /idaas/platform/admin/v1/keystoreservice |

# 5.2 POST New KSS Keystore Method

Use the POST method to create a new Keystore Service (KSS) Keystore.

### REST Request

```
POST /idaas/platform/admin/v1/keystoreservice
```

### Request Body

Media types for the request or response body: `application/json`

The request body contains the details of the create request:

| Attribute | Description |
|---|---|
| "keystore" | Name for the KSS keystore. |
| "permission" | Boolean value that specifies whether to create a permission-based keystore. |
| "pwd" | Password for the KSS keystore. |
| "stripe" | Name of the stripe to contain the KSS keystore. |

### Response Body

Media types for the request or response body: `application/json`

The response body returns the status of the create operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |

| Attribute | Description |
|---|---|
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

The following example shows how to create a KSS keystore by submitting a POST request on the REST resource using cURL.

TESTED

```
curl -i -X POST -u username:password --data @createkss.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/keystoreservice
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "stripe" : "myStripe",
    "keystore" : "myKeystore",
    "pwd" : "Password",
    "permission" : "false"
}
```

> **Note:**
>
> A password is required unless creating a permission-based keystore ("permission" : "true").

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 201 Created
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

## 5.3 POST Import KSS Keystore Method

Use the POST method to import a Keystore Service (KSS) keystore from a JKS keystore file.

### REST Request

```
POST /idaas/platform/admin/v1/keystoreservice/keystore
```

### Request Body

Media types for the request body: `multipart/form-data`

The response body contains information about the import request, including:

| Attribute | Description |
|---|---|
| `"keyAliases"` | Comma-separated list of aliases for the keys to be imported from the `keystoreFile`. |
| `"keyPasswords"` | Comma-separated list of passwords for the keys to be imported from the `keystoreFile`. |
| `"keystoreFile"` | Name of a valid local JKS keystore file |
| `"keystoreName"` | Name for the JKS keystore. |
| `"keystorePassword"` | Password for the local keystore file that is being imported and the keystore entry, if password-protected. |
| `"keystoreType"` | Keystore type. This value must be set to JKS. |
| `"permission"` | Boolean value that specifies whether to import as a permission-based keystore. |
| `"stripeName"` | Name of the stripe. |

### Response Body

Media types for the response body: `application/json`

The response body contains information about the import operation, including:

| Attribute | Description |
|---|---|
| `"alias n"` | List of keystores in the stripe, where *n* serves as an index that starts at 1 and is incremented by 1 for each additional keystore. |
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to import a KSS keystore by submitting a POST request on the REST resource using cURL.

TESTED

```
curl -i -X POST -u username:password -H Content-Type:multipart/form-data --form
"stripeName=myStripe" --form "keystoreFile=@clientkeystore" --form
"keystoreName=myKeystore" --form "keystorePassword=Password" --form
"keystoreType=JKS" --form "keyAliases=client" --form "keyPasswords=Password" --form
"permission=false" http://myhost:7001/idaas/platform/admin/v1/keystoreservice/
keystore
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 201 Created
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS":"Succeeded",
    "SUCCESS_MSG":"Aliases:client imported successfully",
    "alias 1":"client"
}
```

## 5.4 PUT Password Update KSS Keystore Method

Use the PUT method to update the password for a Keystore Service (KSS) keystore.

### REST Request

```
PUT /idaas/platform/admin/v1/keystoreservice
```

### Request Body

Media types for the request body: `application/json`

The response body contains information about the Load Balancer patches, including:

| Attribute | Description |
|---|---|
| `"keystore"` | Name of the KSS keystore. |
| `"newpass"` | New password for the keystore. |
| `"oldpass"` | Old password for the keystore. |
| `"stripe"` | Name of the stripe. |

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the update operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to import a KSS keystore by submitting a PUT request on the REST resource using cURL.

TESTED

```
curl -i -X PUT -u username:password --data @updatekss.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/keystoreservice
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "stripe" : "myStripe",
    "keystore" : "mykssstore",
    "oldpass" : "Password",
    "newpass" : "Password"
}
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

## 5.5 POST Trusted Certificate KSS Keystore Method

Use the POST method to Import a trusted certificate into a Keystore Service (KSS) keystore.

### REST Request

```
POST /idaas/platform/admin/v1/keystoreservice/certificates
```

### Request Body

Media types for the request body: `application/json`

The response body contains information about the import request, including:

| Attribute | Description |
|---|---|
| `"keyAlias"` | Alias for the trusted certificate. |
| `"keystoreEntry"` | Base64-encoded certificate. |
| `"keystoreEntryType"` | Keystore entry type. Valid values include: `Certificate`, `TrustedCertificate`, or `SecretKey`. |
| `"keystoreName"` | Name of the KSS keystore. |
| `"keystorePassword"` | Password for the KSS keystore. |
| `"stripeName"` | Name of the stripe. |

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |
| "SUBJECT_DN" | Subject DN list that was imported. |

### cURL Example

The following example shows how to create a KSS keystore by submitting a POST request on the REST resource using cURL.

TESTED

```
curl -i -X POST -u username:password --data @importcertkss.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/keystoreservice/
certificates
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "keyAlias" : "myAlias",
    "keystoreEntry":
"Bese64-encoded certificate",
    "keystoreEntryType" : "TrustedCertificate",
    "keystoreName" : "myKeystore",
    "stripeName" : "myStripe",
    "keystorePassword" : "Password"
}
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
    "SUBJECT_DN": "CN=y,OU=y,O=y,L=y,ST=y,C=y"
}
```

## 5.6 GET Stripe KSS Keystores Method

Use the GET method to return all Keystore Service (KSS) keystores for a stripe.

### REST Request

```
GET /idaas/platform/admin/v1/keystoreservice/{stripeName}
```

### Parameters

The following table summarizes the GET request parameters.

| Name | Description | Type |
|---|---|---|
| `stripeName` | Name of stripe for which you want to view all KSS keystores. | Path |

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about the certificate, including:

| Attribute | Description |
|---|---|
| `"keystore n"` | List of keystores in the stripe, where *n* serves as an index that starts at 1 and is incremented by 1 for each additional keystore. |

### cURL Example

The following example shows how to view all certificates for an alias by submitting a GET request on the REST resource using cURL.

TESTED

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
keystoreservice/myStripe
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "keystore 1":"trust",
    "keystore 2":"castore"
}
```

## 5.7 GET Alias KSS Keystore Method

Use the GET method to view the alias for the Keystore Service (KSS) keystore.

### REST Request

```
GET /idaas/platform/admin/v1/keystoreservice/alias/{stripeName}/
{keystoreName}/{entryType}
```

### Parameters

The following table summarizes the GET request parameters.

| Name | Description | Type |
|---|---|---|
| `entryType` | Keystore type. Valid values include `Certificate`, `TrustedCertificate`, or `SecretKey`. | Path |
| `keystoreName` | Name of the keystore. | Path |
| `stripeName` | Name of the stripe. | Path |

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about the certificate, including:

| Attribute | Description |
|---|---|
| `"keystore n"` | List of keystore aliases in the stripe where *n* serves as an index that starts at 1 and is incremented by 1 for each additional property. |

### cURL Example

The following example shows how to view all certificates for an alias by submitting a GET request on the REST resource using cURL.

TESTED

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
keystoreservice/alias/myStripe/myKeystore/TrustedCertificate
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
   "keystore 1":"myAlias",
}
```

# 5.8 GET Trusted Certificate KSS Keystore Method

Use the GET method to view trusted certificates in the Keystore Service (KSS) keystore. If the keystore is password-protected, you must provide a Base64-encoded header value for the keystore password.

### REST Request

```
GET /idaas/platform/admin/v1/keystoreservice/certificates
```

### Parameters

The following table summarizes the GET request parameters.

| Name | Description | Type |
|---|---|---|
| `keyAlias` | Alias for trusted certificate. | Query |
| `keystoreEntryType` | Type of keystore entry. Valid values include `Certificate`, `TrustedCertificate`, or `CertificateChain`. | Query |
| `keystoreName` | Name of the keystore. | Query |
| `stripeName` | Name of the stripe. | Query |

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about the certificate, including:

| Attribute | Description |
|---|---|
| `"CONTENT"` | Contents of the Base64-encoded certificate. |
| `"Extensions"` | Optional extensions that are used to issue a certificate for a specific purpose. Each extension includes the following:<br>• Object identifier (oid) that uniquely identifies it<br>• Flag indicating whether the extension is critical<br>• Set of values |
| `"ISSUER_DN"` | List of trusted distinguished names. |
| `"NOT_AFTER"` | Date the certificate expires. |
| `"NOT_BEFORE"` | Date the certificate is activated. |
| `"SERIAL_NO"` | Serial number of the JKS keystore. |
| `"SIGNATURE"` | Base64-encoded signature key. |
| `"SIGNING_ALGORITHM"` | Signing algorithm for the alias. |
| `"SUBJECT_DN"` | Subject distinguished names list. |

### cURL Example

The following example shows how to view all certificates for an alias by submitting a GET request on the REST resource using cURL.

TESTED

```
curl -i -X GET -u username:password -H keystorePassword:password http://myhost:7001/
idaas/platform/admin/v1/keystoreservice/
certificates?"stripeName=myStripe&keystoreName=myKeystore&keyAlias=client&keystoreEnt
ryType=Certificate"
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "SUBJECT_DN":"CN=y,OU=y,O=y,L=y,ST=y,C=y",
    "ISSUER_DN":"CN=y,OU=y,O=y,L=y,ST=y,C=y",
    "NOT_BEFORE":"Fri Jul 25 02:45:11 PDT 2014",
    "NOT_AFTER":"Thu Oct 23 02:45:11 PDT 2014",
    "SERIAL_NO":"982191050",
    "SIGNING_ALGORITHM":"1.2.840.10040.4.3",
    "CONTENT":"-----BEGIN CERTIFICATE----- \n
Bese64-encoded certificate\n
-----END CERTIFICATE-----",
    "SIGNATURE":"Bese64-encoded signature key",
    "Extensions":"{subjectKeyIDExtension {oid = 2.5.29.14 critical = false, value =
329b98f6b6225e92ca52513d3bfc43ee02aa9121}}"
}
```

# 5.9 DELETE Trusted Certificate KSS Keystore Method

Use the Delete method to delete a certificate from a Keystore Service (KSS) keystore. If the keystore is password-protected, you must provide Base64-encoded header values for the keystore and key passwords.

### REST Request

```
DELETE /idaas/platform/admin/v1/keystoreservice/certificates
```

### Parameters

The following table summarizes the DELETE request parameters.

| Name | Description | Type |
|---|---|---|
| `keyAlias` | Alias for the certificate in the KSS keystore. | Query |
| `keystoreName` | Name of the keystore. | Query |
| `stripeName` | Name of stripe. | Query |

### Response Body

Media types for the request or response body: `application/json`

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

The following example shows how to delete a trusted certificate from the keystore by submitting a DELETE request on the REST resource using cURL.

TESTED

```
curl -i -X DELETE -u username:password -H keystorePassword:cHdkMQ== -H
keyPassword:bXlQd2Qy  http://myhost:7001/idaas/platform/admin/v1/keystoreservice/
certificates?"stripeName=myStripe&keystoreName=myKeystore&keyAlias=myAlias"
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

## 5.10 POST Secret Key KSS Keystore

Use the POST method to create a secret key used in symmetric encryption/decryption for a KSS keystore.

### REST Request

```
POST /idaas/platform/admin/v1/keystoreservice/secretkey
```

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the create request:

| Attribute | Description |
|---|---|
| "algorithm" | Controls the cryptographic characteristics of the algorithms that are used when securing messages. |
| "keyAlias" | Alias for the secret key. |
| "keyPassword" | Password for the secret key. |

| Attribute | Description |
|---|---|
| "keySize" | Size measured in bits of the of the key used in cryptographic algorithm. |
| "keystoreName" | Name for the KSS keystore. |
| "keystorePassword" | Password for the KSS keystore. |
| "stripeName" | Name of the stripe. |

### Response Body

Media types for the response body: application/json

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

The following example shows how to create a secret key by submitting a POST request on the REST resource using cURL.

TESTED

```
curl -i -X POST -u username:password --data @secretkey.json -H Content-
Type:application/json http://myhost:7001/idaas/platform/admin/v1/keystoreservice/
secretkey
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "stripeName" : "myStripe",
    "keystoreName" : "myKeystore",
    "keyAlias" : "myKeyAlias",
    "keySize" : "56",
    "algorithm" : "DES",
    "keystorePassword" : "Password",
    "keyPassword" : "Password"
}
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

# 5.11 GET Secret Key Properties KSS Keystore Method

Use the GET method to view the secret key properties for a KSS keystore. If the keystore is password-protected, you must provide Base64-encoded header values for the keystore and key passwords.

### REST Request

```
GET /idaas/platform/admin/v1/keystoreservice/secretkey
```

### Parameters

The following table summarizes the GET request parameters.

| Name | Description | Type |
|---|---|---|
| `keyAlias` | Alias of the secret key. | Query |
| `keystoreName` | Name of the keystore. | Query |
| `stripeName` | Name of the stripe. | Query |

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about the certificate, including:

| Attribute | Description |
|---|---|
| `"Property n"` | List of secret key properties, where *n* serves as an index that starts at 1 and is incremented by 1 for each additional property. |

### cURL Example

The following example shows how to view all certificates for an alias by submitting a GET request on the REST resource using cURL.

TESTED

```
curl -i -X GET -u username:password -H keystorePassword:password -H
keyPassword:password http://myhost:7001/idaas/platform/admin/v1/keystoreservice/
secretkey?"stripeName=myStripe&keystoreName=myKeystore&keyAlias=myKeyAlias"
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
   "Property 1":"DES"
}
```

# 5.12 DELETE Keystore Service KSS Keystore Method

Use the Delete method to delete a Keystore Service (KSS) keystore. If the keystore is password-protected, you must provide Base64-encoded header values for the keystore password.

### REST Request

```
DELETE /idaas/platform/admin/v1/keystoreservice
```

### Parameters

The following table summarizes the DELETE request parameters.

| Name | Description | Type |
|---|---|---|
| `keystoreName` | Name of the keystore. | Query |
| `stripeName` | Name of the stripe. | Query |

### Response Body

Media types for the request or response body: `application/json`

The response body returns the status of the delete operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to delete a trusted certificate from the keystore by submitting a DELETE request on the REST resource using cURL.

TESTED

```
curl -i -X DELETE -u username:password -H keystorePassword:password http://myhost:
7001/idaas/platform/admin/v1/
keystoreservice?"stripeName=myStripe&keystoreName=myKeystore"
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 204 No Content
```

6

# Manage Token Issuer Trust Configurations

Before using the REST API to view and manage token issuer trust configurations, you need to understand how to access the REST resources and other important concepts.

For more information, see "About the REST API".

For more information about token issuer trust management, see "Defining Trusted Issuers and a Trusted DN List for Signing Certificates" in *Administering Web Services*.

This chapter includes the following sections:

- Revoke WSM Discovery Metadata Trust Configurations

# 6.1 View and Manage Token Issuer Trust Configurations Using REST Resources

You can view and manage token issuer trust configurations using a set of representational state transfer (REST) resources, as summarized below.

| Section | Method | Resource Path |
|---|---|---|
| POST TrustDocument Name Method | POST | /idaas/webservice/admin/v1/trustdocument |
| POST Domain Trusted Issuers and Distinguished Name Lists Method | POST | /idaas/webservice/admin/v1/trust/issuers |
| POST Document Trusted Issuers and Distinguished Name Lists Method | POST | /idaas/webservice/admin/v1/trust/issuers |
| GET All Trusted Issuer and Distinguished Name Lists Method | GET | /idaas/webservice/admin/v1/trust/issuers |
| GET Specified Document Trusted Issuer and Distinguished Name Lists Method | GET | /idaas/webservice/admin/v1/trust/issuers |
| POST Token Attribute Rule Distinguished Name Method (Domain Context) | POST | /idaas/webservice/admin/v1/trust/token |
| POST Token Attribute Rule Distinguished Name Method (Document Context) | POST | /idaas/webservice/admin/v1/trust/token |
| GET All Token Attribute Rules Method | GET | /idaas/webservice/admin/v1/trust/token |
| GET Specified Document Token Attribute Rules Method | GET | /idaas/webservice/admin/v1/trust/token |
| Import TrustDocument Name Configurations Method | POST | /idaas/webservice/admin/v1/trustdocument/import |
| Export TrustDocument Name Configurations Method | GET | /idaas/webservice/admin/v1/trustdocument/export |
| Import Global Discovery Configuration | POST | /idaas/webservice/admin/v1/trustdocument/import |
| GET TrustDocument Method | GET | /idaas/webservice/admin/v1/trustdocument |
| DELETE Trust Document Method | DELETE | /idaas/webservice/admin/v1/trustdocument |
| Import Federation Metadata Document Method | POST | /idaas/webservice/admin/v1/federation/import |
| Export Federation Metadata Document Method | POST | /idaas/webservice/admin/v1/federation/export |
| Revoke Federation Metadata Document Method | POST | /idaas/webservice/admin/v1/federation/revoke |
| POST Virtual User for a DN | POST | /idaas/webservice/admin/v1/trust/token |
| GET Virtual User for a DN | GET | /idaas/webservice/admin/v1/trust/token |
| One Paas — One Token Trust | POST | /idaas/webservice/admin/v1/trust/token |

| Section | Method | Resource Path |
|---|---|---|
| Enabling and Disabling Token Issuer Trust | POST | /idaas/webservice/admin/v1/trust/issuers |
| Import JWK Document Trust Configurations | PUT | /idaas/webservice/admin/v1/federation/jwk/import |
| Revoke JWK Trust Configurations | PUT | /idaas/webservice/admin/v1/federation/jwk/revoke |
| Import WSM Discovery Metadata Trust Configurations | PUT | /idaas/webservice/admin/v1/federation/discoverymetadata/import |
| Revoke WSM Discovery Metadata Trust Configurations | PUT | /idaas/webservice/admin/v1/federation/discoverymetadata/revoke |

# 6.2 POST TrustDocument Name Method

Use the Post method to create a trusted issuer document.

### REST Request

```
POST /idaas/webservice/admin/v1/trustdocument
```

### Parameters

The following table summarizes the POST request parameters.

| Name | Description | Type |
|---|---|---|
| "displayName" | Display name for the document. | Query |
| "documentName" | Name of the document. | Query |

### Response Body

Media types for the request or response body: application/json

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "Result" | Details of the operation results. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

TESTED

The following example shows how to create a trusted issuer document by submitting a POST request on the REST resource using cURL.

```
curl -i -X POST -u username:password  http://myhost:7001/idaas/webservice/admin/v1/
trustdocument?"documentName=myTrustDocument&displayName=myTrustDocument"
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded",
    "Result": "New Token Issuer Trust document named "myTrustDocument" created."
}
```

# 6.3 POST Domain Trusted Issuers and Distinguished Name Lists Method

Use the POST method to create trusted issuers and distinguished name (DN) lists for signing certificates in a domain context (that is, it applies to the entire domain).

### REST Request

```
POST /idaas/webservice/admin/v1/trust/issuers
```

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the add request:

| Attribute | Description | Required |
|---|---|---|
| `"dn"` | List of DN values to be added to the trusted issuer. For each DN, use a string that conforms to RFC 2253, as described at the following URL: `http://www.ietf.org/rfc/rfc2253.txt` | Yes |
| `"issuer"` | Groups information about a trusted issuer. | Yes |
| `"-name"` | Name of the trusted issuer. For example, `www.example.com`. The default value for the predefined SAML client policies is `www.oracle.com`. | Yes |
| `"jwt-trusted-dns"` | Groups information about JSON Web Token (JWT) trusted issuers. | No |
| `"saml-hok-trusted-dns"` | Groups information about SAML holder-of-key trusted issuers. | No |
| `"saml-sv-trusted-dns"` | Groups information about SAML sender vouches trusted issuers. | No |
| `"saml-trusted-dns"` | Groups the trusted issuers and DN lists. | Yes |

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

TESTED

The following example shows how to create a trusted issuers and DN lists by submitting a POST request on the REST resource using cURL.

```
curl -i -X POST -u username:password --data @createtrust.json -H Content-
Type:application/json http://myhost:7001/idaas/webservice/admin/v1/trust/issuers
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "saml-trusted-dns":
    {
         "saml-hok-trusted-dns":
         {
             "issuer": [
             {
                 "-name": "www.oracle.com",
                 "dn": [ "wls1", ]
             }
             ]
         },
        "saml-sv-trusted-dns":
        {
            "issuer": [
                {
                    "-name": "www.oracle.com",
                    "dn": [ "wls2", ]
                }
           ]
        },
        "jwt-trusted-issuers":
        {
            "issuer": [
            {
                "-name": "www.oracle.com",
                "dn": [ "CN=orakey, OU=Orakey,O=Oracle, C=US", ]
            }
            ]
        }
    }
}
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded",
}
```

# 6.4 POST Document Trusted Issuers and Distinguished Name Lists Method

Use the POST method to create trusted issuers and distinguished name (DN) lists for signing certificates in a document context (that is, it applies to a specified document). The trusted issuers will be stored in the specified trusted issuers document.

### REST Request

```
POST /idaas/webservice/admin/v1/trust/issuers/{documentName}
```

### Parameters

The following table summarizes the POST request parameters.

| Name | Description | Type |
|---|---|---|
| `documentName` | Name of trusted issuer document. For information about creating a trusted issuer document, see "POST TrustDocument Name Method". | Query |

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the add request:

| Attribute | Description | Required |
|---|---|---|
| `"dn"` | List of DN values to be added to the trusted issuer. For each DN, use a string that conforms to RFC 2253, as described at the following URL: `http://www.ietf.org/rfc/rfc2253.txt` | Yes |
| `"issuer"` | Groups information about a trusted issuer. | Yes |
| `"-name"` | Name of the trusted issuer. For example, `www.example.com`. The default value for the predefined SAML client policies is `www.oracle.com`. | Yes |
| `"jwt-trusted-dns"` | Groups information about JSON Web Token (JWT) trusted issuers. | No |

| Attribute | Description | Required |
|---|---|---|
| "saml-hok-trusted-dns" | Groups information about SAML holder-of-key trusted issuers. | No |
| "saml-sv-trusted-dns" | Groups information about SAML sender vouches trusted issuers. | No |
| "saml-trusted-dns" | Groups the trusted issuers and DN lists. | Yes |

### Response Body

Media types for the response body: application/json

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

TESTED

The following example shows how to create trusted issuers and DN lists by submitting a POST request on the REST resource using cURL

```
curl -i -X POST -u username:password --data @createtrust.json -H Content-
Type:application/json http://myhost:7001/idaas/webservice/admin/v1/trust/issuers/
mydocument
```

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
    "saml-trusted-dns":
    {
         "saml-hok-trusted-dns":
         {
             "issuer": [
             {
                 "-name": "www.oracle.com",
                 "dn": [ "wls1", ]
             }
             ]
         },
        "saml-sv-trusted-dns":
        {
            "issuer": [
                {
                    "-name": "www.oracle.com",
                    "dn": [ "wls2", ]
                }
           ]
        },
```

```
        "jwt-trusted-issuers":
        {
            "issuer": [
            {
                "-name": "www.oracle.com",
                "dn": [ "CN=orakey, OU=Orakey,O=Oracle, C=US", ]
            }
            ]
        }
    }
}
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded",
}
```

# 6.5 GET All Trusted Issuer and Distinguished Name Lists Method

Use the GET method to view a trusted issuer and its distinguished name (DN) lists for all domain documents.

### REST Request

```
GET /idaas/webservice/admin/v1/trust/issuers
```

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about the trusted issuer and DN lists, including:

| Attribute | Description |
|---|---|
| `"dn"` | List of DN values to be added to the trusted issuer. |
| `"issuer"` | Groups information about a trusted issuer. |
| `"-name"` | Name of the trusted issuer. |
| `"jwt-trusted-dns"` | Groups information about JSON Web Token (JWT) trusted issuers. |
| `"saml-hok-trusted-dns"` | Groups information about SAML holder-of-key trusted issuers. |
| `"saml-sv-trusted-dns"` | Groups information about SAML sender vouches trusted issuers. |
| `"saml-trusted-dns"` | Groups the DN lists. |

### cURL Example

TESTED

The following example shows how to view a trusted issuer and its DN lists by submitting a GET request on the REST resource using cURL.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/trust/
issuers
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "saml-trusted-dns":
    {
         "saml-hok-trusted-dns":
         {
             "issuer": [
             {
                 "-name": "www.oracle.com",
                 "dn": [ "wls1", ]
             }
             ]
         },
        "saml-sv-trusted-dns":
        {
            "issuer": [
                {
                    "-name": "www.oracle.com",
                    "dn": [ "wls2", ]
                }
           ]
        },
        "jwt-trusted-issuers":
        {
            "issuer": [
            {
                "-name": "www.oracle.com",
                "dn": [ "CN=orakey, OU=Orakey,O=Oracle, C=US", ]
            }
            ]
        }
    }
}
```

# 6.6 GET Specified Document Trusted Issuer and Distinguished Name Lists Method

Use the GET method to view a trusted issuer and its distinguished name (DN) lists based on the document name provided.

### REST Request

```
GET /idaas/webservice/admin/v1/trust/issuers/{documentName}
```

### Parameters

The following table summarizes the GET request parameters.

| Name | Description | Type |
|---|---|---|
| `documentName` | Name of document for which you want to view issuer and DN lists. | Path |

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about the trusted issuer and DN lists, including:

| Attribute | Description |
|---|---|
| `"dn"` | List of DN values to be added to the trusted issuer. |
| `"issuer"` | Groups information about a trusted issuer. |
| `"-name"` | Name of the trusted issuer. |
| `"jwt-trusted-dns"` | Groups information about JSON Web Token (JWT) trusted issuers. |
| `"saml-hok-trusted-dns"` | Groups information about SAML holder-of-key trusted issuers. |
| `"saml-sv-trusted-dns"` | Groups information about SAML sender vouches trusted issuers. |
| `"saml-trusted-dns"` | Groups the DN lists. |

### cURL Example

TESTED

The following example shows how to view a trusted issuer and its DN lists by submitting a GET request on the REST resource using cURL.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/trust/
issuers/mydocument
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

**Example of Response Body**

The following shows an example of the response body in JSON format.

```
{
    "saml-trusted-dns":
    {
         "saml-hok-trusted-dns":
         {
             "issuer": [
             {
                 "-name": "www.oracle.com",
                 "dn": [ "wls1", ]
             }
             ]
         },
        "saml-sv-trusted-dns":
        {
            "issuer": [
                {
                    "-name": "www.oracle.com",
                    "dn": [ "wls2", ]
                }
           ]
        },
        "jwt-trusted-issuers":
        {
            "issuer": [
            {
                "-name": "www.oracle.com",
                "dn": [ "CN=orakey, OU=Orakey,O=Oracle, C=US", ]
            }
            ]
        }
    }
}
```

# 6.7 POST Token Attribute Rule Distinguished Name Method (Domain Context)

Use the POST method to create a token attribute rule for a trusted distinguished name (DN) for a domain context (that is, it applies to the entire domain). This operation can be performed by the REST service or client. Only token attribute mapping is supported on the client side.

**REST Request**

```
POST /idaas/webservice/admin/v1/trust/token
```

**Request Body**

Media types for the request body: `application/json`

The request body contains the details of the add request:

| Attribute | Description |
|---|---|
| "attributes" | Groups the constraints filter and mapping attributes for trusted users.<br>**Note**: This attribute is not required on the client side. |
| "-dn" | On the service side, set this value to a trusted DN for which you are configuring an attribute rule. Use a string that conforms to RFC 2253, as described at the following URL: http://www.ietf.org/rfc/rfc2253.txt<br>On the client side, set this value to a URL of the domain hosting the targeted services using the following format: http(s)://*host* or http(s)://*host/root*. For example, if you set this value to https://example.com/, then the attribute rule applies to all service invocations with the service URL of the form https://example.com/<*path*> |
| "filter" | Defines the constraint values for trusted users and attributes.<br>**Note**: This attribute is not applicable on the client side. |
| "mapping" | Defines the mapping attributes for trusted users. |
| "-name" | Name of the attribute rule.<br>**Note**: This attribute is not applicable on the client side. |
| "name-id" | Defines the users that are accepted for the trusted DN. |
| "token-attribute-rule" | Groups information about a single token attribute rule. |
| "tokn-attribute-rules" | Groups information about all token attribute rules. |
| "user-attribute" | Defines the user attribute that the trusted DN can assert.<br>**Note**: This attribute is not applicable on the client side. |
| "user-mapping-attribute" | Defines the user mapping attribute that the trusted DN can assert. |
| "value" | Defines values for the constraint filter attribute. This value can be a full name or name pattern with a wildcard character (*), such as "yourTrusted*". Multiple values must be separated by a comma.<br>**Note**: This attribute is not applicable on the client side. |

### Response Body

Media types for the response body: application/json

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

TESTED

The following example shows how to create a token attribute rule for a trusted DN by submitting a POST request on the REST resource using cURL.

```
curl -i -X POST -u username:password --data @createrule.json http://myhost:7001/
idaas/webservice/admin/v1/trust/token
```

### Example of Request Body - Service Side

The following shows an example of the request body in JSON format for creating a token attribute rule for a trusted DN on the service side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "cn=orcladmin,o=oracle",
                "name-id":{
                    "filter":
                    {
                        "value":[ "filter1" ]
                    },
                    "mapping":
                    {
                        "user-attribute": "val3",
                        "user-mapping-attribute":"val4"
                    }
                },
                "attributes":
                [
                    {
                        "-name": "tenant1",
                        "attribute":
                        {
                            "filter":
                            {
                                "value": [
                                    "filter1",
                                    "filter2"
                                ]
                            },
                            "mapping":{
                                "user-attribute": "val1",
                                "user-mapping-attribute":"val2"
                            }
                        }
                    }
                ]
            }
        ]
    }
}
```

### Example of Request Body - Client Side

The following shows an example of the request body in JSON format for creating a token attribute rule on the client side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "https://example.com/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"mail"
                    }
                },
            }
        ]
        "token-attribute-rule":
        [
            {
                "-dn": "https://example.com/mysvcInstance1-acme/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"uid"
                    }
                },
            }
        ]
    }
}
```

**Example of Response Header**

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

**Example of Response Body**

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

# 6.8 POST Token Attribute Rule Distinguished Name Method (Document Context)

Use the POST method to create a token attribute rule for a trusted distinguished name (DN) for a document context (that is, it applies to a specified document). This operation can be performed by the REST service or client. Only token attribute mapping is supported on the client side.

**REST Request**

```
POST /idaas/webservice/admin/v1/trust/token/{documentName}
```

### Parameters

The following table summarizes the POST request parameters.

| Name | Description | Type |
|---|---|---|
| `documentName` | Name of document for which you want to create a token attribute rule. | Path |

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the add request:

| Attribute | Description |
|---|---|
| `"attributes"` | Groups the constraints filter and mapping attributes for trusted users.<br>**Note**: This attribute is not required on the client side. |
| `"-dn"` | On the service side, set this value to a trusted DN for which you are configuring an attribute rule. Use a string that conforms to RFC 2253, as described at the following URL: `http://www.ietf.org/rfc/rfc2253.txt`<br>On the client side, set this value to a URL of the domain hosting the targeted services using the following format: `http(s)://host` or `http(s)://host/root`. For example, if you set this value to `https://example.com/`, then the attribute rule applies to all service invocations with the service URL of the form `https://example.com/<path>` |
| `"filter"` | Defines the constraint values for trusted users and attributes.<br>**Note**: This attribute is not applicable on the client side. |
| `"mapping"` | Defines the mapping attributes for trusted users. |
| `"-name"` | Name of the attribute rule.<br>**Note**: This attribute is not applicable on the client side. |
| `"name-id"` | Defines the users that are accepted for the trusted DN. |
| `"token-attribute-rule"` | Groups information about a single token attribute rule. |
| `"tokn-attribute-rules"` | Groups information about all token attribute rules. |
| `"user-attribute"` | Defines the user attribute that the trusted DN can assert.<br>**Note**: This attribute is not applicable on the client side. |
| `"user-mapping-attribute"` | Defines the user mapping attribute that the trusted DN can assert. |
| `"value"` | Defines values for the constraint filter attribute. This value can be a full name or name pattern with a wildcard character (*), such as `"yourTrusted*"`. Multiple values must be separated by a comma.<br>**Note**: This attribute is not applicable on the client side. |

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

TESTED

The following example shows how to create a token attribute rule for a trusted DN by submitting a POST request on the REST resource using cURL.

```
curl -i -X POST -u username:password --data @createrule.json http://myhost:7001/
idaas/webservice/admin/v1/trust/token/mydocument
```

### Example of Request Body - Service Side

The following shows an example of the request body in JSON format for creating a token attribute rule for a trusted DN on the service side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "cn=orcladmin,o=oracle",
                "name-id":{
                    "filter":
                    {
                        "value":[ "filter1" ]
                    },
                    "mapping":
                    {
                        "user-attribute": "val3",
                        "user-mapping-attribute":"val4"
                    }
                },
                "attributes":
                [
                    {
                        "-name": "tenant1",
                        "attribute":
                        {
                            "filter":
                            {
                                "value": [
                                    "filter1",
                                    "filter2"
                                ]
                            },
```

```
                        "mapping":{
                            "user-attribute": "val1",
                            "user-mapping-attribute":"val2"
                        }
                    }
                }
            ]
        }
    ]
}
```

### Example of Request Body - Client Side

The following shows an example of the request body in JSON format for creating a token attribute rule on the client side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "https://example.com/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"mail"
                    }
                },
            }
        ]
        "token-attribute-rule":
        [
            {
                "-dn": "https://example.com/mysvcInstance1-acme/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"uid"
                    }
                },
            }
        ]
    }
}
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded"
}
```

# 6.9 GET All Token Attribute Rules Method

Use the GET method to view all token attribute rules for a domain context (applies to entire domain). This operation can be performed by the REST service or client. Only token attribute mapping is supported on the client side.

### REST Request

```
GET /idaas/webservice/admin/v1/trust/token
```

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about all token attribute rules, including:

| Attribute | Description |
|---|---|
| `"attributes"` | Groups the constraints filter and mapping attributes for trusted users.<br>**Note**: This attribute is not required on the client side. |
| `"-dn"` | On the service side, trusted DN for which you are configuring an attribute rule. The string conforms to RFC 2253, as described at the following URL: `http://www.ietf.org/rfc/rfc2253.txt`<br>On the client side, URL specified using the following format: `http(s)://host` or `http(s)://host/root` |
| `"filter"` | Defines the filter values for trusted users and attributes.<br>You can enter a complete name or a name pattern with a wildcard character (*), such as `yourTrusted*`. If you specify multiple attribute filters, each filter should be separated by a comma. |
| `"mapping"` | Defines the mapping attributes for trusted users.<br>**Note**: This attribute is not applicable on the client side. |
| `"-name"` | Name of the attribute rule.<br>**Note**: This attribute is not applicable on the client side. |
| `"name-id"` | Defines the users that are accepted for the trusted DN. |
| `"token-attribute-rule"` | Groups information about a single token attribute rule. |
| `"tokn-attribute-rules"` | Groups information about all token attribute rules. |
| `"user-attribute"` | Defines the user attribute that the trusted DN can assert.<br>**Note**: This attribute is not applicable on the client side. |
| `"user-mapping-attribute"` | Defines the user mapping attribute that the trusted DN can assert. |
| `"value"` | Defines values for the constraint filter attribute. This value can be a full name or name pattern with a wildcard character (*), such as `"yourTrusted*"`. Multiple values must be separated by a comma. |

### cURL Example

TESTED against MAIN -- was asked to remove trust document name for URL in review.

The following example shows how to view all token attribute rules by submitting a GET request on the REST resource using cURL.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/trust/
token
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body—Service Side

The following shows an example of the response body in JSON format for viewing a token attribute rule on the service side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "cn=orcladmin,o=oracle",
                "attributes":
                [
                    {
                        "-name": "tenant1",
                        "attribute":
                        {
                            "filter":
                            {
                                "value": [
                                    "filter1",
                                    "filter2"
                                ]
                            },
                            "mapping":{
                                "user-attribute": "val1",
                                "user-mapping-attribute":"val2"
                            }
                        }
                    }
                ],
                "name-id":{
                    "filter":
                    {
                        "value":[ "filter1" ]
                    },
                    "mapping":
                    {
                        "user-attribute": "val3",
                        "user-mapping-attribute":"val4"
                    }
                }
            }
```

```
        ]
    }
}
```

**Example of Response Body - Client Side**

The following shows an example of the response body in JSON format for viewing a token attribute rule on the client side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "https://example.com/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"mail"
                    }
                },
            }
        ]
        "token-attribute-rule":
        [
            {
                "-dn": "https://example.com/mysvcInstance1-acme/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"uid"
                    }
                },
            }
        ]
    }
}
```

# 6.10 GET Specified Document Token Attribute Rules Method

Use the GET method to view token attribute rules for a specified document. This operation can be performed by the REST service or client. Only token attribute mapping is supported on the client side.

**REST Request**

```
GET /idaas/webservice/admin/v1/trust/token/{documentName}
```

**Parameters**

The following table summarizes the GET request parameters.

| Name | Description | Type |
|---|---|---|
| `documentName` | Name of document for which you want to view token attribute rules. | Path |

### Response Body

Media types for the request or response body: `application/json`

The response body contains information about all token attribute rules for the document, including:

| Attribute | Description |
|---|---|
| `"attributes"` | Groups the constraints filter and mapping attributes for trusted users.<br>**Note**: This attribute is not required on the client side. |
| `"-dn"` | On the service side, trusted DN for which you are configuring an attribute rule. The string conforms to RFC 2253, as described at the following URL: `http://www.ietf.org/rfc/rfc2253.txt`<br>On the client side, URL specified using the following format: `http(s)://host` or `http(s)://host/root` |
| `"filter"` | Defines the filter values for trusted users and attributes.<br>You can enter a complete name or a name pattern with a wildcard character (*), such as `yourTrusted*`. If you specify multiple attribute filters, each filter should be separated by a comma. |
| `"mapping"` | Defines the mapping attributes for trusted users.<br>**Note**: This attribute is not applicable on the client side. |
| `"-name"` | Name of the attribute rule.<br>**Note**: This attribute is not applicable on the client side. |
| `"name-id"` | Defines the users that are accepted for the trusted DN. |
| `"token-attribute-rule"` | Groups information about a single token attribute rule. |
| `"tokn-attribute-rules"` | Groups information about all token attribute rules. |
| `"user-attribute"` | Defines the user attribute that the trusted DN can assert.<br>**Note**: This attribute is not applicable on the client side. |
| `"user-mapping-attribute"` | Defines the user mapping attribute that the trusted DN can assert. |
| `"value"` | Defines values for the constraint filter attribute. This value can be a full name or name pattern with a wildcard character (*), such as `"yourTrusted*"`. Multiple values must be separated by a comma. |

### cURL Example

TESTED against MAIN -- was asked to remove trust document name for URL in review.

The following example shows how to view all token attribute rules by submitting a GET request on the REST resource using cURL.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/trust/
token/mydocument
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body—Service Side

The following shows an example of the response body in JSON format for viewing a token attribute rule on the service side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "-dn": "cn=orcladmin,o=oracle",
                "attributes":
                [
                    {
                        "-name": "tenant1",
                        "attribute":
                        {
                            "filter":
                            {
                                "value": [
                                    "filter1",
                                    "filter2"
                                ]
                            },
                            "mapping":{
                                "user-attribute": "val1",
                                "user-mapping-attribute":"val2"
                            }
                        }
                    }
                ],
                "name-id":{
                    "filter":
                    {
                        "value":[ "filter1" ]
                    },
                    "mapping":
                    {
                        "user-attribute": "val3",
                        "user-mapping-attribute":"val4"
                    }
                }
            }
        ]
    }
}
```

### Example of Response Body - Client Side

The following shows an example of the response body in JSON format for viewing a token attribute rule on the client side.

```
{
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
```

```
            {
                "-dn": "https://example.com/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"mail"
                    }
                },
            }
        ]
        "token-attribute-rule":
        [
            {
                "-dn": "https://example.com/mysvcInstance1-acme/",
                "name-id":{
                    "mapping":
                    {
                        "user-mapping-attribute":"uid"
                    }
                },
            }
        ]
    }
}
```

# 6.11 Import TrustDocument Name Configurations Method

Use the POST method to import trusted issuer configurations, including issuer names, distinguished name (DN) lists, and token attribute rules.

### REST Request

```
POST /idaas/webservice/admin/v1/trustdocument/import
```

### Request Body

Media types for the request body: `application/xml` and `application/JSON`

The request body contains the details of the import request. You must create a trusted issuers document, as described in "POST TrustDocument Name Method", and pass it using the `oratrust:name` element.

Request body in xml format:

```
<?xml version="1.0" encoding="UTF-8"?>
<ns0:TokenIssuerTrust xmlns:ns0="http://xmlns.oracle.com/wsm/security/trust"
ns0:name="owsm" ns0:displayName="owsm">
    <ns0:Issuers>
        <ns0:Issuer ns0:name="www.oracle.com" ns0:tokentype="saml.sv"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="x509certificate" ns0:valuetype="dn"
ns0:enabled="true">alice2</ns0:KeyIdentifier>
            </ns0:TrustedKeys>
        </ns0:Issuer>
        <ns0:Issuer ns0:name="www.example.com" ns0:tokentype="saml.hok"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="x509certificate" ns0:valuetype="dn"
ns0:enabled="true">bob</ns0:KeyIdentifier>
```

```
            </ns0:TrustedKeys>
        </ns0:Issuer>
        <ns0:Issuer ns0:name="https://identity.oraclecloud.com/" ns0:tokentype="jwt"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">orakey_jwk</ns0:KeyIdentifier>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">orakey</ns0:KeyIdentifier>
                <ns0:Keys ns0:type="jwk" ns0:trust="idcs.jwk.jwt"></ns0:Keys>
            </ns0:TrustedKeys>
            <ns0:TrustedRP>
                <ns0:RP ns0:type="literal">client</ns0:RP>
            </ns0:TrustedRP>
            <ns0:DiscoveryInfo>
                <ns0:DiscoveryURL>https://www.example.com/.well-known/openid-
configuration</ns0:DiscoveryURL>
                <ns0:IdcsClientCsfKey>idcs-orakey</ns0:IdcsClientCsfKey>
            </ns0:DiscoveryInfo>
        </ns0:Issuer>
        <ns0:Issuer ns0:name="https://accounts.example.com" ns0:tokentype="jwt"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">3b0fc11962ad16e49d55a26816c5ad0d3f6b8a83</ns0:KeyIdentifier>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">19e8b40cf03c4cf1ec545f01ec8c51a6f46ab455</ns0:KeyIdentifier>
                <ns0:mdURL>https://www.exampleapis.com/oauth2/v3/certs</ns0:mdURL>
                <ns0:Keys ns0:type="jwk" ns0:trust="jwk.jwt"
ns0:refreshInterval="2000"></ns0:Keys>
            </ns0:TrustedKeys>
            <ns0:TrustedRP>
                <ns0:RP ns0:type="literal">client</ns0:RP>
            </ns0:TrustedRP>
        </ns0:Issuer>
    </ns0:Issuers>
    <ns0:TokenAttributeRules>
        <ns0:TokenAttributeRule ns0:issuer="https://accounts.example.com">
            <ns0:NameId ns0:name="name-id">
                <ns0:Filter>
                    <ns0:value>filter1</ns0:value>
                    <ns0:value>filter2</ns0:value>
                </ns0:Filter>
                <ns0:Mapping>
                    <ns0:user-attribute>val3</ns0:user-attribute>
                    <ns0:user-mapping-attribute>val4</ns0:user-mapping-attribute>
                </ns0:Mapping>
            </ns0:NameId>
            <ns0:Proxy>
                <ns0:ProxyHost>www-proxy.us.oracle.com</ns0:ProxyHost>
                <ns0:ProxyPort>80</ns0:ProxyPort>
            </ns0:Proxy>
        </ns0:TokenAttributeRule>
        <ns0:TokenAttributeRule ns0:identifier="cn=user,o=oracle"
ns0:issuer="https://identity.oraclecloud.com/">
            <ns0:NameId ns0:name="name-id">
                <ns0:Filter>
                    <ns0:value>filter1</ns0:value>
                    <ns0:value>filter2</ns0:value>
                </ns0:Filter>
                <ns0:Mapping>
```

```
                    <ns0:user-attribute>val3</ns0:user-attribute>
                    <ns0:user-mapping-attribute>val4</ns0:user-mapping-attribute>
                </ns0:Mapping>
            </ns0:NameId>
            <ns0:Attributes>
                <ns0:Attribute ns0:name="user.tenant.name">
                    <ns0:Filter>
                        <ns0:value>filter1</ns0:value>
                        <ns0:value>filter2</ns0:value>
                    </ns0:Filter>
                    <ns0:Mapping>
                        <ns0:user-attribute>val1</ns0:user-attribute>
                        <ns0:user-mapping-attribute>val2</ns0:user-mapping-attribute>
                    </ns0:Mapping>
                </ns0:Attribute>
            </ns0:Attributes>
            <ns0:VirtualUser ns0:enabled="true">
                <ns0:DefaultRoles>
                    <ns0:Role>defRole1</ns0:Role>
                    <ns0:Role>defRole2</ns0:Role>
                </ns0:DefaultRoles>
                <ns0:TokenRoleAttributes>
                    <ns0:AttributeName>displayname</ns0:AttributeName>
                </ns0:TokenRoleAttributes>
                <ns0:TokenRoleMapping>
                    <ns0:RoleMapping>
                        <ns0:TokenRole>TestUser</ns0:TokenRole>
                        <ns0:MappingRole>manager</ns0:MappingRole>
                        <ns0:MappingRole>executer</ns0:MappingRole>
                    </ns0:RoleMapping>
                </ns0:TokenRoleMapping>
            </ns0:VirtualUser>
        </ns0:TokenAttributeRule>
    </ns0:TokenAttributeRules>
</ns0:TokenIssuerTrust>
```

Request body in JSON format:

```
{
    "name": "test",
    "displayname": "test",
    "issuers":
    [
        {
            "issuer": "www.oracle.com",
            "enabled": "true",
            "tokentype": "saml.sv",
            "trustedkeys":
            {
                "keyidentifiers":
                [
                    {
                        "keytype": "x509certificate",
                        "valuetype": "dn",
                        "enabled": "true",
                        "value": "alice2"
                    }
                ]
            }
        },
        {
```

```
            "issuer": "www.example.com",
            "enabled": "true",
            "tokentype": "saml.hok",
            "trustedkeys":
            {
                "keyidentifiers":
                [
                    {
                        "keytype": "x509certificate",
                        "valuetype": "dn",
                        "enabled": "true",
                        "value": "bob"
                    }
                ]
            }
        },
        {
            "issuer": "https://identity.oraclecloud.com/",
            "enabled": "true",
            "tokentype": "jwt",
            "trustedkeys":
            {
                "trust": "idcs.jwk.jwt",
                "keyidentifiers":
                [
                    {
                        "keytype": "publickey",
                        "valuetype": "kid",
                        "enabled": "true",
                        "value": "orakey_jwk"
                    },
                    {
                        "keytype": "publickey",
                        "valuetype": "kid",
                        "enabled": "true",
                        "value": "orakey"
                    }
                ]
            },
            "relyingparty":
            [
                {
                    "type": "literal",
                    "value": "client"
                }
            ],
            "discovery":
            {
                "discovery_uri": "https://www.example.com/.well-known/openid-
configuration",
                "idcs-client-csf-key": "idcs-orakey"
            }
        },
        {
            "issuer": "https://accounts.example.com",
            "enabled": "true",
            "tokentype": "jwt",
            "trustedkeys":
            {
                "jwk_uri": "https://www.exampleapis.com/oauth2/v3/certs",
                "trust": "jwk.jwt",
```

```
                "refreshinterval": "2000",
                "keyidentifiers":
                [
                    {
                        "keytype": "publickey",
                        "valuetype": "kid",
                        "enabled": "true",
                        "value": "3b0fc11962ad16e49d55a26816c5ad0d3f6b8a83"
                    },
                    {
                        "keytype": "publickey",
                        "valuetype": "kid",
                        "enabled": "true",
                        "value": "19e8b40cf03c4cf1ec545f01ec8c51a6f46ab455"
                    }
                ]
            },
            "relyingparty":
            [
                {
                    "type": "literal",
                    "value": "client"
                }
            ]
        }
    ],
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
            {
                "issuer": "https://accounts.example.com",
                "name-id":
                {
                    "filter":
                    {
                        "value":
                        [
                            "filter1",
                            "filter2"
                        ]
                    },
                    "mapping":
                    {
                        "user-mapping-attribute": "val4",
                        "user-attribute": "val3"
                    }
                },
                 "proxy" : {
                    "host": "www-proxy.us.oracle.com",
                    "port" : "80"
                 }
            },
            {
                "-dn": "cn=user,o=oracle",
                "issuer": "https://identity.oraclecloud.com/",
                "name-id":
                {
                    "filter":
                    {
                        "value":
```

```
            [
                "filter1",
                "filter2"
            ]
        },
        "mapping":
        {
            "user-mapping-attribute": "val4",
            "user-attribute": "val3"
        }
    },
    "attributes":
    [
        {
            "-name": "user.tenant.name",
            "attribute":
            {
                "filter":
                {
                    "value":
                    [
                        "filter1",
                        "filter2"
                    ]
                },
                "mapping":
                {
                    "user-mapping-attribute": "val2",
                    "user-attribute": "val1"
                }
            }
        }
    ],
    "virtual-user":
    {
        "enabled": "true",
        "default-roles":
        {
            "role":
            [
                "defRole1",
                "defRole2"
            ]
        },
        "token-role-attributes":
        {
            "attribute-name":
            [
                "displayname"
            ]
        },
        "token-role-mapping":
        {
            "role-mapping":
            [
                {
                    "token-role": "TestUser",
                    "mapping-role":
                    [
                        "manager",
                        "executer"
```

```
                                ]
                            }
                        ]
                    }
                }
            }
        ]
    }
}
```

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the import operation, including:

| Element | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"Result"` | Details of the operation results. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to view all certificates for an alias by submitting a POST request on the REST resource using cURL.

```
curl -i -X POST -u username:password --data @import.xml -H Content-Type:application/
xml -H Accept:application/json http://myhost:7001/idaas/platform/admin/v1/
trustdocument/import
```

## 6.12 Export TrustDocument Name Configurations Method

Use the GET method to export trusted issuer configurations, including issuer names, distinguished name (DN) lists, and token attribute rules.

### REST Request

```
GET/idaas/webservice/admin/v1/trustdocument/export
```

### Request Body

Media types for the request body: `application/xml` and `application/JSON`

The request body contains the details of the export request. You must create a trusted issuers document, as described in "POST TrustDocument Name Method", and pass it using the `oratrust:name` element.

Request body in JSON format:

```
{
     "name": "owsm",
     "displayname": "owsm",
     "issuers": [
            {
                "issuer": "https://identity.oraclecloud.com/",
```

```
                "enabled": "true",
                "tokentype": "jwt",
                "trustedkeys":
                {
                    "trust": "idcs.jwk.jwt" ,
                    "refreshinterval" : "2000"
                },
                "discovery":
                {
                    "base_uri":"https://identity.c9dev0.oc9qadev.com/",
                    "idcs-client-csf-key": "idcs-orakey",
                    "idcs-client-tenant":"owsm"
                }
            },
            {
                "issuer": "https://identity.oraclecloud.com/",
                "tenant": "owsm",
                "enabled": "true",
                "tokentype": "jwt",
                "trustedkeys":
                {
                    "trust": "idcs.jwk.jwt",
                    "refreshinterval" : "2000",
                    "keyidentifiers":
                    [
                        {
                            "keytype": "publickey",
                            "valuetype": "kid",
                            "enabled": "true",
                            "value": "SIGNING_KEY"
                        }
                    ]
                },
                "discovery":
                {
                "discovery_uri":"https://owsm.identity.c9dev0.oc9qadev.com/.well-
known/openid-configuration",                          "idcs-client-csf-key": "idcs-
orakey",
                "idcs-client-tenant":"owsm"}
            }
   ]
   ,
    "token-attribute-rules":
    {
        "token-attribute-rule":
        [
           {
                "issuer": "https://identity.oraclecloud.com/",
                "tenant": "owsm",
                "name-id":
                {
                    "filter":
                    {
                       "value":
                        [
                            "filter1",
                            "filter2"
                        ]
                    },
                    "mapping":
                    {
```

```
                    "user-mapping-attribute": "val4",
                    "user-attribute": "val3"
                }
            }
        }
    ]
  }
}
```

> **Note:**
>
> - The `base_uri` is defined as `https://identity.c9dev0.oc9qadev.com/`
> - The `idcs-client-csf-key` is the csf key of the client with cross tenant role.
> - The `idcs-client-tenant` is the tenant of the above client.

**Response Body**

Media types for the response body: `application/xml` and `application/JSON`

The response body returns the status of the export operation, including:

| Element | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"Result"` | Details of the operation results. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

# 6.13 Import Global Discovery Configuration

The Global Discovery Configuration uses the POST method to configure discovery settings globally instead of doing it for individual tenants. At runtime these global settings are used to fetch JWK keys for tenants.

**REST Request**

`POST/idaas/webservice/admin/v1/trustdocument/import`

**Request Body**

Media types for the request body: `application/xml` and `application/JSON`

The request body contains the details of the import request. You must create a trusted issuers document, as described in "POST TrustDocument Name Method", and pass it using the `oratrust:name` element.

Request body in JSON format:

```
{
     "name": "owsm",
```

```
    "displayname": "owsm",
    "issuers": [
           {
               "issuer": "https://identity.oraclecloud.com/",
               "enabled": "true",
               "tokentype": "jwt",
               "trustedkeys":
               {
                   "trust": "idcs.jwk.jwt",
                   "refreshinterval" : "2000"
               },
               "discovery":
               {
                "base_uri": "https://identity.c9dev0.oc9qadev.com/",
                "idcs-client-csf-key": "idcs-orakey",
                "idcs-client-tenant":"owsm"
               }
           }
    ]
}
```

> **Note:**
>
> - The `base_uri` is defined as `https://identity.c9dev0.oc9qadev.com/`
> - The `idcs-client-csf-key` is the csf key of the client with cross tenant role.
> - The `idcs-client-tenant` is the tenant of the above client.

**Response Body**

Media types for the response body: `application/xml` and `application/JSON`

The response body returns the status of the import operation, including:

| Element | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"Result"` | Details of the operation results. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

# 6.14 GET TrustDocument Method

Use the GET method to view configuration details for the trusted issuer document.

**REST Request**

```
GET /idaas/webservice/admin/v1/trustdocument
```

### Parameters

The following table summarizes the POST request parameters.

| Name | Description | Type |
|---|---|---|
| "documentName" | Name of the document. | Query |

### Response Body

Media types for the request or response body: application/json

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "Result" | Details of the operation results. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

The following example shows how to view all token attribute rules by submitting a GET request on the REST resource using cURL.

```
curl -i -X GET -u username:password http://myhost:7001/idaas/platform/admin/v1/
trustdocument?"documentName=myTrustDocument"
```

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS":"Succeeded",
    "Result":"List of token issuer trust documents in the Repository:\nDetails of
the document matching your request:\nName         : myTrustDocument\tDisplay Name :
myTrustDocument\tStatus       : DOCUMENT_STATUS_COMMITED \nList of trusted issuers
for this type:\tNone\nList of Token Attribute Rules\tNone"
}
```

## 6.15 DELETE Trust Document Method

Use the Delete method to delete a trusted issuer document.

### REST Request

```
DELETE /idaas/webservice/admin/v1/trustdocument
```

### Parameters

The following table summarizes the DELETE request parameters.

| Name | Description | Type |
|---|---|---|
| "displayName" | Display name for the document. | Query |
| "documentName" | Name of trusted issuer document. | Query |

### Response Body

Media types for the request or response body: application/json

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| "ERROR_CODE" | If "STATUS" is set to "Failed", provides the error code. |
| "ERROR_MSG" | If "STATUS" is set to "Failed", provides the contents of the error message. |
| "Result" | Details of the operation results. |
| "STATUS" | Status of operation. For example, "Succeeded" or "Failed". |

### cURL Example

TESTED

The following example shows how to delete a SAML issuer trust document by submitting a DELETE request on the REST resource using cURL.

```
curl -i -X DELETE -u username:password http://myhost:7001/idaas/webservice/admin/v1/
trustdocument?"documentName=myTrustDocument&displayName=myTrustDocument"
```

### Example of Response Header

The following shows an example of the response header. For more about the HTTP status codes, see HTTP Status Codes for HTTP Methods

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded",
    "Result": "Token Issuer Trust document named "myTrustDocument" deleted from the
repository."
}
```

# 6.16 Import Federation Metadata Document Method

Use the POST method to import the signing certificate (federation metadata document) and configure the WS-Trust for the Relying Party (RP-STS) in OWSM.

### REST Request

```
POST /idaas/webservice/admin/v1/federation/import
```

### Request Body

Method: `POST`

Content Type: `multipart/form-data`

### Parameters

The following table summarizes the POST request parameters.

| Name | Description | Required? |
|---|---|---|
| `name-id-attribute` | The name of the attribute to assert in case the name ID maps to non standard attribute. | Optional |
| `user-attribute` | The name of the local user attribute to the value of the corresponding attribute. | Optional |
| `user-mapping-attribute` | The name of the local user attribute to be mapped. | Optional |
| `filter` | List of filter values to be set for the attribute. Each value can be an exact value. | Optional |
| `metadata-file` | Location of the federation metadata file. This can be an Web URL or file system path.<br>Example: `https://<host:port>/FederationMetadata/2007-06/FederationMetadata.xml` | Required |

### Response Body

Content Type: `application/json`

The response body returns the status of the import operation:

| Attribute | Description |
|---|---|
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"Result"` | Details of the operation results. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

# 6.17 Export Federation Metadata Document Method

Use the POST method to generate the signed or unsigned federation document for the Identity Provider STS (IP-STS) or Service Provider (SP).

### Rest Request

```
POST /idaas/webservice/admin/v1/federation/export
```

### Request Body

Method: `POST`

Content Type: `application/json`

### Parameters

The following table summarizes the export request parameters.

| Name | Description | Required? |
|---|---|---|
| `metadata-type` | Type of metadata document to create. For example, IDP (Identify Provider) or SP (Service Provider). | Required |
| `issuer` | Name of the issuer.<br>For IDP, you must specify the host name. For example: `www.example.com`<br>For SP, you must specify the service URL. For example:https:http://localhost:7001/JaxWsWssStsIssuedBearerTokenWithADFSWssUNOverSsl/JaxWsWssStsIssuedBearerTokenWithADFSWssUNOverSslService | Required |
| `sign-metadata` | Specify whether to sign the metadata document. | Optional |
| `sign-keys` | List of aliases or csf key (in case of KSS).<br>The certificate is exported and used in the metadata document. It is required in case of creating IDP metdata. If this parameter is not provided, the sign key will not be included. In case of empty values ("sign-keys": [ ]), the domain configured sign key is used. | Optional |
| `encryption-keys` | List of aliases or csf key (in case of KSS).<br>The certificate is exported and used in the metadata document. It is required in case of creating SP metdata. If this parameter is not provided, the encryption key will not be included. In case of empty values ("encryption-keys": [ ]) , the domain configured encryption key is used. | Optional |

### Response Body

Content Type: `application/xml`

# 6.18 Revoke Federation Metadata Document Method

Use the revoke method to remove the signing certificates from OWSM and the WS-Trust configuration from the federation metadata document.

### REST Request

```
POST /idaas/webservice/admin/v1/federation/revoke
```

### Request Body

Method: `POST`

Content Type: `multipart/form-data`

### Parameters

The following table summarizes the revoke request parameters.

| Name | Description | Required? |
|---|---|---|
| `"metadata-file"` | Location of the federation metadata file. This can be an Web URL or file system path.<br>Example: `https://<host:port>/FederationMetadata/2007-06/FederationMetadata.xml` | Required |

### Response Body

Content Type: `application/json`

The response body returns the status of the import operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_MSG"` | It provides the contents of the error message, if `"STATUS"` is `"Failed"`. |
| `"Result"` | Details of the operation results. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

# 6.19 POST Virtual User for a DN

Use the POST method to create virtual users for a DN.

### REST Request

```
POST /idaas/webservice/admin/v1/trust/token
```

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the add request:

| Attribute | Description | Required |
|---|---|---|
| `virtual-user` | List of virtual user properties. | Yes |
| `token-role-attributes` | List of token role attributes applicable for a virtual user. | No |
| `token-role-mapping` | Mapping values for token-role-attributes. | No |
| `issuer` | Name of the issuer. | No |

### Example of Request Body

The following shows an example of the request body in JSON format.

```
{
      "token-attribute-rules":
  {
      "token-attribute-rule":
      [
          {
              "issuer": "https://accounts.example.com",
              "name-id":
              {
                  "filter":
                  {
                      "value":
                      [
                          "filter1",
                          "filter2"
                      ]
                  },
                  "mapping":
                  {
                      "user-mapping-attribute": "val4",
                      "user-attribute": "val3"
                  }
              },
               "proxy" : {
                  "host": "www-proxy.us.oracle.com",
                  "port" : "80"
               }
          },
          {
              "-dn": "cn=user,o=oracle",
              "issuer": "https://identity.oraclecloud.com/",
              "name-id":
              {
                  "filter":
                  {
                      "value":
                      [
                          "filter1",
                          "filter2"
                      ]
                  },
                  "mapping":
                  {
                      "user-mapping-attribute": "val4",
                      "user-attribute": "val3"
                  }
```

```
                    },
                    "attributes":
                    [
                        {
                            "-name": "user.tenant.name",
                            "attribute":
                            {
                                "filter":
                                {
                                    "value":
                                    [
                                        "filter1",
                                        "filter2"
                                    ]
                                },
                                "mapping":
                                {
                                    "user-mapping-attribute": "val2",
                                    "user-attribute": "val1"
                                }
                            }
                        }
                    ],
                    "virtual-user":
                    {
                        "enabled": "true",
                        "default-roles":
                        {
                            "role":
                            [
                                "defRole1",
                                "defRole2"
                            ]
                        },
                        "token-role-attributes":
                        {
                            "attribute-name":
                            [
                                "displayname"
                            ]
                        },
                        "token-role-mapping":
                        {
                            "role-mapping":
                            [
                                {
                                    "token-role": "TestUser",
                                    "mapping-role":
                                    [
                                        "manager",
                                        "executer"
                                    ]
                                }
                            ]
                        }
                    }
                }
            ]
        }
    }
```

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the add operation, including:

| Attribute | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### Example of Response Header

The following shows an example of the response header.

```
HTTP/1.1 200 OK
```

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
    "STATUS": "Succeeded",
}
```

## 6.20 Get Virtual User for a DN

Use the GET method to view the virtual users for a DN configured in a token issuer trust document.

### REST Request

```
GET /idaas/webservice/admin/v1/trust/token
```

### Request Body

Media types for the request body: `application/json`

The request body contains the details of the view request:

| Attribute | Description | Required |
|---|---|---|
| `virtual-user` | List of virtual user properties. | Yes |
| `token-role-attributes` | List of token role attributes applicable for a virtual user. | No |
| `token-role-mapping` | Mapping values for token-role-attributes. | No |
| `issuer` | Name of the issuer. | No |

### Response Body

Media types for the response body: `application/json`

The response body returns the information for the specified virtual user.

### Example of Response Body

The following shows an example of the response body in JSON format.

```
{
      "token-attribute-rules":
  {
      "token-attribute-rule":
      [
          {
              "issuer": "https://accounts.example.com",
              "name-id":
              {
                  "filter":
                  {
                      "value":
                      [
                          "filter1",
                          "filter2"
                      ]
                  },
                  "mapping":
                  {
                      "user-mapping-attribute": "val4",
                      "user-attribute": "val3"
                  }
              },
               "proxy" : {
                  "host": "www-proxy.us.oracle.com",
                  "port" : "80"
               }
          },
          {
              "-dn": "cn=user,o=oracle",
              "issuer": "https://identity.oraclecloud.com/",
              "name-id":
              {
                  "filter":
                  {
                      "value":
                      [
                          "filter1",
                          "filter2"
                      ]
                  },
                  "mapping":
                  {
                      "user-mapping-attribute": "val4",
                      "user-attribute": "val3"
                  }
              },
              "attributes":
              [
                  {
                      "-name": "user.tenant.name",
                      "attribute":
                      {
                          "filter":
                          {
                              "value":
                              [
```

```
                                "filter1",
                                "filter2"
                            ]
                        },
                        "mapping":
                        {
                            "user-mapping-attribute": "val2",
                            "user-attribute": "val1"
                        }
                    }
                }
            ],
            "virtual-user":
            {
                "enabled": "true",
                "default-roles":
                {
                    "role":
                    [
                        "defRole1",
                        "defRole2"
                    ]
                },
                "token-role-attributes":
                {
                    "attribute-name":
                    [
                        "displayname"
                    ]
                },
                "token-role-mapping":
                {
                    "role-mapping":
                    [
                        {
                            "token-role": "TestUser",
                            "mapping-role":
                            [
                                "manager",
                                "executer"
                            ]
                        }
                    ]
                }
            }
        }
    ]
  }
}
```

# 6.21 Create Tags for Trusted Issuer

Use the POST method to create tags for trusted issuer.

**REST Request POST Method**

```
curl -i -X POST -u username:password --data @createtokentags.json -H
Content-Type:application/json http://myhost:7001/idaas/webservice/
admin/v1/trust/token
```

Media types for the request body: JSON

Example:

```
{
  "token-attribute-rules":
  {
    "token-attribute-rule":
    [
      "issuer": https://www.example.com,
      "one-token-trust":
      {
        "enabled": "true",
        "service-instance":
        [
          {
            "app-name": "App1",
            "refreshinterval": "444",
            "tags":
            {
              "tag":
              [
                {
                  "key": "color",
                  "value":"blue"
                },
                {
                  "key": "env",
                  "value":"prod"
                }
              ]
            }
          },
          {
            "app-name": "App2",
            "refreshinterval": "555"
          }
        ]
      },
    ]
  }
 }
```

# 6.22 Enabling and Disabling Token Issuer Trust

Use the POST and PUT method to enable and disable Token Issuer Trust.

**REST Request POST Method**

```
curl -i -X POST -u username:password --data @createtrust.json -H Content-
Type:application/json http://myhost:7001/idaas/webservice/admin/v1/trust/
issuers
```

Media types for the request body: JSON

Example:

```
{
    "saml-trusted-dns":
    {
```

```
         "saml-hok-trusted-dns":
         {
             "issuer": [
             {
                 "-name": "www.oracle.com",
                 "dn": [ "CN=Alice"],
                 "disabled-dn": [ "CN=Bob" ],
             }
             ]
         },
        "saml-sv-trusted-dns":
        {
            "issuer": [
                {
                    "-name": "www.oracle.com",
                    "enabled": "true"
                    "dn": [ ],
                }
           ]
        },
        "jwt-trusted-issuers":
        {
            "issuer": [
            {
                "-name": "www.oracle.com",
                "enabled": "false"
                "dn": [ "CN=orakey, OU=Orakey,O=Oracle, C=US", "CN=Alice" ],
            }
            ]
        }
    }
}
```

**REST Request PUT Method**

```
curl -i -X PUT -u username:password --data @updatetrust.json -H Content-
Type:application/json http://myhost:7001/idaas/webservice/admin/v1/trust/
issuers
```

Media types for the request body: `JSON`

Example:

```
{
    "saml-trusted-dns":
    {
         "saml-hok-trusted-dns":
         {
             "issuer": [
             {
                 "-name": "www.oracle.com",
                 "disabled-dn": [ "CN=Alice" ],
             }
             ]
         },
        "saml-sv-trusted-dns":
        {
            "issuer": [
                {
                    "-name": "www.oracle.com",
                    "enabled": "false"
```

```
                }
            ]
        }
    }
}
```

**Response Body**

Media types for the response body: `application/json`

```
{
    "saml-trusted-dns":
    {
         "saml-hok-trusted-dns":
         {
             "issuer": [
             {
                "-name": "www.oracle.com",
                "enabled": "true"
                 "dn": [ ],
                 "disabled-dn": ["CN=Alice", "CN=Bob"]
             }
             ]
         },
        "saml-sv-trusted-dns":
        {
            "issuer": [
                {
                    "-name": "www.oracle.com",
                    "enabled": "false"
                    "dn": [  ],
                    "disabled-dn": [ ]
                }
           ]
        },
        "jwt-trusted-issuers":
        {
            "issuer": [
            {
                "-name": "www.oracle.com",
                "enabled": true,
                "dn": [ "CN=orakey, OU=Orakey,O=Oracle, C=US", "CN=Alice" ],
                 "disabled-dn": [ ]
            }
            ]
        }
    }
}
```

# 6.23 Import TrustDocument Name Configurations Method

Use the POST method to import trusted issuer configurations, including issuer names, distinguished name (DN) lists, and token attribute rules.

**REST Request**

```
POST /idaas/webservice/admin/v1/trustdocument/import
```

### Request Body

Media types for the request body: `application/xml` and `application/JSON`

The request body contains the details of the import request. You must create a trusted issuers document, as described in "POST TrustDocument Name Method", and pass it using the `oratrust:name` element.

Request body in xml format:

```
<?xml version="1.0" encoding="UTF-8"?>
<ns0:TokenIssuerTrust xmlns:ns0="http://xmlns.oracle.com/wsm/security/trust"
ns0:name="owsm" ns0:displayName="owsm">
    <ns0:Issuers>
        <ns0:Issuer ns0:name="www.oracle.com" ns0:tokentype="saml.sv"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="x509certificate" ns0:valuetype="dn"
ns0:enabled="true">alice2</ns0:KeyIdentifier>
            </ns0:TrustedKeys>
        </ns0:Issuer>
        <ns0:Issuer ns0:name="www.example.com" ns0:tokentype="saml.hok"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="x509certificate" ns0:valuetype="dn"
ns0:enabled="true">bob</ns0:KeyIdentifier>
            </ns0:TrustedKeys>
        </ns0:Issuer>
        <ns0:Issuer ns0:name="https://identity.oraclecloud.com/" ns0:tokentype="jwt"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">orakey_jwk</ns0:KeyIdentifier>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">orakey</ns0:KeyIdentifier>
                <ns0:Keys ns0:type="jwk" ns0:trust="idcs.jwk.jwt"></ns0:Keys>
            </ns0:TrustedKeys>
            <ns0:TrustedRP>
                <ns0:RP ns0:type="literal">client</ns0:RP>
            </ns0:TrustedRP>
            <ns0:DiscoveryInfo>
                <ns0:DiscoveryURL>https://www.example.com/.well-known/openid-
configuration</ns0:DiscoveryURL>
                <ns0:IdcsClientCsfKey>idcs-orakey</ns0:IdcsClientCsfKey>
            </ns0:DiscoveryInfo>
        </ns0:Issuer>
        <ns0:Issuer ns0:name="https://accounts.example.com" ns0:tokentype="jwt"
ns0:enabled="true">
            <ns0:TrustedKeys>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">3b0fc11962ad16e49d55a26816c5ad0d3f6b8a83</ns0:KeyIdentifier>
                <ns0:KeyIdentifier ns0:keytype="publickey" ns0:valuetype="kid"
ns0:enabled="true">19e8b40cf03c4cf1ec545f01ec8c51a6f46ab455</ns0:KeyIdentifier>
                <ns0:mdURL>https://www.exampleapis.com/oauth2/v3/certs</ns0:mdURL>
                <ns0:Keys ns0:type="jwk" ns0:trust="jwk.jwt"
ns0:refreshInterval="2000"></ns0:Keys>
            </ns0:TrustedKeys>
            <ns0:TrustedRP>
                <ns0:RP ns0:type="literal">client</ns0:RP>
            </ns0:TrustedRP>
```

```
            </ns0:Issuer>
        </ns0:Issuers>
        <ns0:TokenAttributeRules>
            <ns0:TokenAttributeRule ns0:issuer="https://accounts.example.com">
                <ns0:NameId ns0:name="name-id">
                    <ns0:Filter>
                        <ns0:value>filter1</ns0:value>
                        <ns0:value>filter2</ns0:value>
                    </ns0:Filter>
                    <ns0:Mapping>
                        <ns0:user-attribute>val3</ns0:user-attribute>
                        <ns0:user-mapping-attribute>val4</ns0:user-mapping-attribute>
                    </ns0:Mapping>
                </ns0:NameId>
                <ns0:Proxy>
                    <ns0:ProxyHost>www-proxy.us.oracle.com</ns0:ProxyHost>
                    <ns0:ProxyPort>80</ns0:ProxyPort>
                </ns0:Proxy>
            </ns0:TokenAttributeRule>
            <ns0:TokenAttributeRule ns0:identifier="cn=user,o=oracle"
ns0:issuer="https://identity.oraclecloud.com/">
                <ns0:NameId ns0:name="name-id">
                    <ns0:Filter>
                        <ns0:value>filter1</ns0:value>
                        <ns0:value>filter2</ns0:value>
                    </ns0:Filter>
                    <ns0:Mapping>
                        <ns0:user-attribute>val3</ns0:user-attribute>
                        <ns0:user-mapping-attribute>val4</ns0:user-mapping-attribute>
                    </ns0:Mapping>
                </ns0:NameId>
                <ns0:Attributes>
                    <ns0:Attribute ns0:name="user.tenant.name">
                        <ns0:Filter>
                            <ns0:value>filter1</ns0:value>
                            <ns0:value>filter2</ns0:value>
                        </ns0:Filter>
                        <ns0:Mapping>
                            <ns0:user-attribute>val1</ns0:user-attribute>
                            <ns0:user-mapping-attribute>val2</ns0:user-mapping-attribute>
                        </ns0:Mapping>
                    </ns0:Attribute>
                </ns0:Attributes>
                <ns0:VirtualUser ns0:enabled="true">
                    <ns0:DefaultRoles>
                        <ns0:Role>defRole1</ns0:Role>
                        <ns0:Role>defRole2</ns0:Role>
                    </ns0:DefaultRoles>
                    <ns0:TokenRoleAttributes>
                        <ns0:AttributeName>displayname</ns0:AttributeName>
                    </ns0:TokenRoleAttributes>
                    <ns0:TokenRoleMapping>
                        <ns0:RoleMapping>
                            <ns0:TokenRole>TestUser</ns0:TokenRole>
                            <ns0:MappingRole>manager</ns0:MappingRole>
                            <ns0:MappingRole>executer</ns0:MappingRole>
                        </ns0:RoleMapping>
                    </ns0:TokenRoleMapping>
                </ns0:VirtualUser>
            </ns0:TokenAttributeRule>
```

```
    </ns0:TokenAttributeRules>
</ns0:TokenIssuerTrust>
```

Request body in JSON format:

```
{
    "name": "test",
    "displayname": "test",
    "issuers":
    [
        {
            "issuer": "www.oracle.com",
            "enabled": "true",
            "tokentype": "saml.sv",
            "trustedkeys":
            {
                "keyidentifiers":
                [
                    {
                        "keytype": "x509certificate",
                        "valuetype": "dn",
                        "enabled": "true",
                        "value": "alice2"
                    }
                ]
            }
        },
        {
            "issuer": "www.example.com",
            "enabled": "true",
            "tokentype": "saml.hok",
            "trustedkeys":
            {
                "keyidentifiers":
                [
                    {
                        "keytype": "x509certificate",
                        "valuetype": "dn",
                        "enabled": "true",
                        "value": "bob"
                    }
                ]
            }
        },
        {
            "issuer": "https://identity.oraclecloud.com/",
            "enabled": "true",
            "tokentype": "jwt",
            "trustedkeys":
            {
                "trust": "idcs.jwk.jwt",
                "keyidentifiers":
                [
                    {
                        "keytype": "publickey",
                        "valuetype": "kid",
                        "enabled": "true",
                        "value": "orakey_jwk"
                    },
                    {
                        "keytype": "publickey",
```

```
                            "valuetype": "kid",
                            "enabled": "true",
                            "value": "orakey"
                        }
                    ]
                },
                "relyingparty":
                [
                    {
                        "type": "literal",
                        "value": "client"
                    }
                ],
                "discovery":
                {
                    "discovery_uri": "https://www.example.com/.well-known/openid-
configuration",
                    "idcs-client-csf-key": "idcs-orakey"
                }
            },
            {
                "issuer": "https://accounts.example.com",
                "enabled": "true",
                "tokentype": "jwt",
                "trustedkeys":
                {
                    "jwk_uri": "https://www.exampleapis.com/oauth2/v3/certs",
                    "trust": "jwk.jwt",
                    "refreshinterval": "2000",
                    "keyidentifiers":
                    [
                        {
                            "keytype": "publickey",
                            "valuetype": "kid",
                            "enabled": "true",
                            "value": "3b0fc11962ad16e49d55a26816c5ad0d3f6b8a83"
                        },
                        {
                            "keytype": "publickey",
                            "valuetype": "kid",
                            "enabled": "true",
                            "value": "19e8b40cf03c4cf1ec545f01ec8c51a6f46ab455"
                        }
                    ]
                },
                "relyingparty":
                [
                    {
                        "type": "literal",
                        "value": "client"
                    }
                ]
            }
        ],
        "token-attribute-rules":
        {
            "token-attribute-rule":
            [
                {
                    "issuer": "https://accounts.example.com",
                    "name-id":
```

```
        {
            "filter":
            {
                "value":
                [
                    "filter1",
                    "filter2"
                ]
            },
            "mapping":
            {
                "user-mapping-attribute": "val4",
                "user-attribute": "val3"
            }
        },
         "proxy" : {
            "host": "www-proxy.us.oracle.com",
            "port" : "80"
         }
},
{
        "-dn": "cn=user,o=oracle",
        "issuer": "https://identity.oraclecloud.com/",
        "name-id":
        {
            "filter":
            {
                "value":
                [
                    "filter1",
                    "filter2"
                ]
            },
            "mapping":
            {
                "user-mapping-attribute": "val4",
                "user-attribute": "val3"
            }
        },
        "attributes":
        [
            {
                "-name": "user.tenant.name",
                "attribute":
                {
                    "filter":
                    {
                        "value":
                        [
                            "filter1",
                            "filter2"
                        ]
                    },
                    "mapping":
                    {
                        "user-mapping-attribute": "val2",
                        "user-attribute": "val1"
                    }
                }
            }
        ],
```

```
                "virtual-user":
                {
                    "enabled": "true",
                    "default-roles":
                    {
                        "role":
                        [
                            "defRole1",
                            "defRole2"
                        ]
                    },
                    "token-role-attributes":
                    {
                        "attribute-name":
                        [
                            "displayname"
                        ]
                    },
                    "token-role-mapping":
                    {
                        "role-mapping":
                        [
                            {
                                "token-role": "TestUser",
                                "mapping-role":
                                [
                                    "manager",
                                    "executer"
                                ]
                            }
                        ]
                    }
                }
            }
        ]
    }
}
```

### Response Body

Media types for the response body: `application/json`

The response body returns the status of the import operation, including:

| Element | Description |
|---|---|
| `"ERROR_CODE"` | If `"STATUS"` is set to `"Failed"`, provides the error code. |
| `"ERROR_MSG"` | If `"STATUS"` is set to `"Failed"`, provides the contents of the error message. |
| `"Result"` | Details of the operation results. |
| `"STATUS"` | Status of operation. For example, `"Succeeded"` or `"Failed"`. |

### cURL Example

The following example shows how to view all certificates for an alias by submitting a POST request on the REST resource using cURL.

```
curl -i -X POST -u username:password --data @import.xml -H Content-Type:application/
xml -H Accept:application/json http://myhost:7001/idaas/platform/admin/v1/
trustdocument/import
```

# 6.24 Import JWK Document Trust Configurations

Use the PUT method to import configurations from JWK Document of trusted issuer.

### REST Request

```
PUT /idaas/webservice/admin/v1/federation/jwk/import
```

### Request Body

Media types for the request body: `multipart/form-data`

The request body contains the input parameters of the import request.

| Input Parameter | Description | Data Type |
|---|---|---|
| `issuer` | Name of the JWK issuer, for example `www.example.com`. | String |
| `type` | The type of trust. It can be `dns.jwt` and `jwk.jwt`. | String |
| `name-id-attribute` | The name of the attribute to assert in case name-id maps to non standard attribute. | String |
| `user-attribute` | The name of the local user attribute the value of the attribute corresponds to. | String |
| `user-mapping-attribute` | The name of the local user attribute to map to. | String |
| `filter` | Comma separated list of filter values to be set for the attribute. Each value can be an exact value. | Comma separated string |
| `metadata-file` | Path of the JWK document. It could be local system file, file path on server, or web URL. For example `/home/example.jwk` or `http://www.example.com/common/discovery/v2.0/keys` | File/file path/web URL |
| `refreshInterval` | Time interval in milliseconds after which JWK keys will be checked for any update. | String |
| `trust-document-name` | Token issuer trust document to configure trust. If not provided, then the domain configured document will be used. | String |

### Response Body

The response body returns the status of the import operation. Media types for the response body: `application/json`

# 6.25 Revoke JWK Trust Configurations

Use the PUT method to revoke JWK configurations of a trusted issuer.

### REST Request

`PUT /idaas/webservice/admin/v1/federation/jwk/revoke`

### Request Body

Media types for the request body: `multipart/form-data`

The request body contains the input parameters of the request.

| Input Parameter | Description | Data Type |
|---|---|---|
| `issuer` | Name of the JWK issuer, for example `www.example.com`. | String |
| `type` | The type of trust. It can be `dns.jwt` and `jwk.jwt`. | String |
| `trust-document-name` | Token issuer trust document to revoke trust. If not provided, then the domain configured document will be used. | String |

### Response Body

The response body returns the status of the revoke operation. Media types for the response body: `application/json`

# 6.26 Import WSM Discovery Metadata Trust Configurations

Use the PUT method to import configurations from WSM Discovery Metadata of trusted issuer.

### REST Request

`PUT/idaas/webservice/admin/v1/federation/discoverymetadata/import`

### Request Body

Media types for the request body: `multipart/form-data`

The request body contains the input parameters of the import request.

| Input Parameter | Description | Data Type |
|---|---|---|
| `type` | The type of trust. It can be `dns.jwt` ,`jwk.jwt`, `idcs.dns.jwt` or `idcs.jwk.jwt` | String |
| `issuer` | Open id discovery metadata provider | String |
| `idcs-client-csf-key` | Optional . CSF key containing IDCS registered clientid and secret to fetch JWK document. | String |

| Input Parameter | Description | Data Type |
|---|---|---|
| `jwk-access-token` | Optional . Access token containing IDCS registered clientid and secret to fetch JWK document. | String |
| `name-id-attribute` | Optional. The name of the attribute to assert in case name-id maps to non standard attribute. | String |
| `filter` | Optional. Comma separated list of filter values to be set for the attribute. Each value can be an exact value. | Comma separated string |
| `user-attribute` | Optional. The name of the local user attribute the value of the attribute corresponds to. | String |
| `user-mapping-attribute` | Optional. The name of the local user attribute to map to. | String |
| `metadata-file` | Optional. Path of the JWK document. It could be local file, path on the server, and web URL. | File/file path/web URL |
| `refreshInterval` | Optional. The time interval after which keys will be refreshed. | String |
| `trust-document-name` | Optional. Name of the trust-document | String |

### Response Body

The response body returns the status of the import operation. Media types for the response body: `application/json`

## 6.27 Revoke WSM Discovery Metadata Trust Configurations

Use the PUT method to revoke WSM Discovery Metadata configurations of a trusted issuer.

### REST Request

`PUT/idaas/webservice/admin/v1/federation/discoverymetadata/revoke`

### Request Body

Media types for the request body: `multipart/form-data`

The request body contains the input parameters of the revoke request.

| Input Parameter | Description | Data Type |
|---|---|---|
| `issuer` | Open id discovery metadata provider. | String |
| `type` | The type of trust. It can be `dns.jwt`, `idcs.dns.jwt`, `idcs.jwt.jwt` and `jwk.jwt`. | String |
| `metadata-file` | Optional. Metadata file in case issuer is not provided. This could be system path or file. | File/file path/web URL |
| `trust-document-name` | Optional. Name of the trust-document | String |

### Response Body

The response body returns the status of the revoke operation. Media types for the response body: `application/json`

> **See Also:**
>
> - Import TrustDocument Name Configurations Method in *REST API for Managing Credentials and Keystores with Oracle Web Services Manager*.

# A

# Summary of REST APIs

The credential and keystore management REST API provides a powerful set of resources that you can use to manage web service security, including credential stores, keystores, and trust stores.

Before using the REST API, you need to understand how to access the REST resources and other important concepts. See "About the REST API".

The following table summarizes the REST resource paths, alphabetically by resource path.

| REST Resource | Method | More Information |
|---|---|---|
| `/idaas/platform/admin/v1/credential` | `GET` | GET Credential Method |
| `/idaas/platform/admin/v1/credential` | `DELETE` | Delete Credential Method |
| `/idaas/platform/admin/v1/credential` | `POST` | POST Credential Method |
| `/idaas/platform/admin/v1/credential` | `PUT` | PUT Credential Method |
| `/idaas/platform/admin/v1/keystore` | `GET` | GET All Aliases Trusted Certificate JKS Keystore Method |
| `/idaas/platform/admin/v1/keystore/{alias}` | `GET` | GET Specified Alias Trusted Certificate JKS Keystore Method |
| `/idaas/platform/admin/v1/keystore/{alias}` | `DELETE` | DELETE Trusted Certificate JKS Keystore Method |
| `/idaas/platform/admin/v1/keystore/{alias}` | `POST` | POST Specified Alias Trusted Certificate JKS Keystore Method |
| `/idaas/platform/admin/v1/keystore/pkcs7/{alias}` | `POST` | GET Specified Alias Trusted Certificate JKS Keystore Method |
| `/idaas/platform/admin/v1/keystoreservice` | `DELETE` | DELETE Keystore Service KSS Keystore Method |
| `/idaas/platform/admin/v1/keystoreservice` | `POST` | POST New KSS Keystore Method |
| `/idaas/platform/admin/v1/keystoreservice` | `PUT` | PUT Password Update KSS Keystore Method |
| `/idaas/platform/admin/v1/keystoreservice/alias/{stripeName}/{keystoreName}/{entryType}` | `GET` | GET Alias KSS Keystore Method |

| REST Resource | Method | More Information |
|---|---|---|
| /idaas/platform/admin/v1/keystoreservice/certificates | GET | GET Trusted Certificate KSS Keystore Method |
| /idaas/platform/admin/v1/keystoreservice/certificates | DELETE | DELETE Trusted Certificate KSS Keystore Method |
| /idaas/platform/admin/v1/keystoreservice/certificates | POST | POST Trusted Certificate KSS Keystore Method |
| /idaas/platform/admin/v1/keystoreservice/keystore | POST | POST Import KSS Keystore Method |
| /idaas/platform/admin/v1/keystoreservice/secretkey | GET | GET Secret Key Properties KSS Keystore Method |
| /idaas/platform/admin/v1/keystoreservice/secretkey | POST | POST Secret Key KSS Keystore |
| /idaas/platform/admin/v1/keystoreservice/{stripeName} | GET | GET Stripe KSS Keystores Method |
| /idaas/webservice/admin/v1/trust/issuers | GET | GET All Trusted Issuer and Distinguished Name Lists Method |
| /idaas/webservice/admin/v1/trust/issuers/{documentName} | GET | GET Specified Document Trusted Issuer and Distinguished Name Lists Method |
| /idaas/webservice/admin/v1/trust/issuers | POST | POST Domain Trusted Issuers and Distinguished Name Lists Method |
| /idaas/webservice/admin/v1/trust/issuers/{documentName} | POST | POST Document Trusted Issuers and Distinguished Name Lists Method |
| /idaas/webservice/admin/v1/trust/token | GET | GET All Token Attribute Rules Method |
| /idaas/webservice/admin/v1/trust/token/{documentName} | GET | GET Specified Document Token Attribute Rules Method |
| /idaas/webservice/admin/v1/trust/token | POST | POST Token Attribute Rule Distinguished Name Method (Domain Context) |
| /idaas/webservice/admin/v1/trust/token/{documentName} | POST | POST Token Attribute Rule Distinguished Name Method (Document Context) |
| /idaas/webservice/admin/v1/trustdocument | GET | GET TrustDocument Method |
| /idaas/webservice/admin/v1/trustdocument | DELETE | DELETE Trust Document Method |
| /idaas/webservice/admin/v1/trustdocument | POST | POST TrustDocument Name Method |

| REST Resource | Method | More Information |
| --- | --- | --- |
| `/idaas/webservice/admin/v1/trustdocument/import` | `POST` | Import TrustDocument Name Configurations Method |