

Oracle® Cloud

Oracle Cloud Adapters Postinstallation Configuration Guide

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Preface

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Oracle Cloud Adapters Postinstallation Configuration Guide describes how to configure the Oracle Cloud adapters after completing installation.

Topics:

- [Audience](#)
- [Related Resources](#)
- [Conventions](#)

Audience

Oracle Cloud Adapters Postinstallation Configuration Guide is intended for users who need to configure the Oracle Cloud adapters after completing installation.

Documentation Accessibility

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Related Resources

For more information, see these Oracle resources:

- *Using Oracle RightNow Cloud Adapter*
- *Using Oracle Sales Cloud Adapter*
- *Using Oracle Eloqua Cloud Adapter*
- *Using Oracle ERP Cloud Adapter*

- *Using Oracle NetSuite Cloud Adapter*

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.
<i>italic</i>	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.

Deploying the Oracle Cloud Adapter EAR File and Configuring CSF Settings

Perform the following Oracle Cloud Adapter EAR file deployment and CSF map and CSF key configuration tasks.

Topics

- [Differences Between Using this Component in the Cloud and On-Premises Environments](#)
- [Deploying the cloudsdk.ear File from the Oracle WebLogic Server Administration Console](#)
- [Granting Permissions to Access the Credentials Store](#)
- [Creating the CSF Map in Oracle Enterprise Manager Fusion Middleware Control](#)
- [Creating the CSF Key for the Eloqua Cloud Adapter in Oracle Enterprise Manager Fusion Middleware Control](#)
- [Creating the CSF Key for Other Cloud Adapters in Oracle Enterprise Manager Fusion Middleware Control](#)

Differences Between Using this Component in the Cloud and On-Premises Environments

There may be differences between using this component in the cloud and on-premises environments that impact the information described in this guide.

For information about differences, see [Differences Between the Cloud and On-Premises Environments](#) and [Known Issues for Oracle SOA Cloud Service](#).

Deploying the cloudsdk.ear File from the Oracle WebLogic Server Administration Console

You must deploy the `cloudsdk.ear` file after installing the cloud adapter patches.

1. Find the `cloudsdk.ear` file, which is located within the Oracle home directory structure after cloud adapter installation.
2. Log in to Oracle WebLogic Server Administration Console.
3. Under **Domain Structure**, select **Deployments**.
4. Click **Install**, then browse for and select the path to the `cloudsdk.ear` file in the **Path** field. For example:

```
/Oracle/Middleware/Oracle_Home/soa/soa/modules/oracle.cloud.adapter_12.1.3/  
cloudsdk.ear
```

5. Click **Next**.
6. Select **Install this deployment as an application**, and click **Next**.
7. Click **Next** again and select the target administration server and all the SOA managed servers.
8. Click **Finish**.
9. Restart the server(s).

Granting Permissions to Access the Credentials Store

You must grant permissions to access the credentials store for the SOA Cluster, SOA and Service Bus Cluster, and Service Bus Cluster service types. This task only needs to be performed once for any Oracle WebLogic Server domain.

You must specify the following files for these service types:

- `adflib_osb_Utils.jar` — Create an entry and then grant permissions (for the SOA Cluster, SOA and Service Bus Cluster, and Service Bus Cluster service types)
- `jca-binding-api.jar` — Grant permissions (for the SOA and Service Bus Cluster and Service Bus Cluster service types)

Create an Entry and Grant Permissions to `adflib_osb_Utils.jar`

1. Log in to Oracle Enterprise Manager Fusion Middleware Control.
2. Expand **Weblogic Domain** in the left panel.
3. Right click on the domain you want to modify and select **Security > System Policies** to display the System Policies page.
4. In the System Policies page, expand **Search**.
5. Click **Create**.
6. In the Create System Grant page, enter the following value for **Codebase**:

```
file:${common.components.home}/../osb/lib/osbconsoleEar/webapp/WEB-INF/lib/  
adflib_osb_Utils.jar
```
7. Click **Add** under permissions.
8. In the Add Permission page, click **Select here to enter details for a new permission** and enter the following:
 - **Class:**
`oracle.security.jps.service.credstore.CredentialAccessPermission`
 - **Resource Name:**
`context=SYSTEM,mapName=oracle.wsm.security,keyName=*`
 - **Permission Action:** *
9. Click on **OK** to save the new permission.

10. Click **OK** on the Create System Grant page to save the new grant.

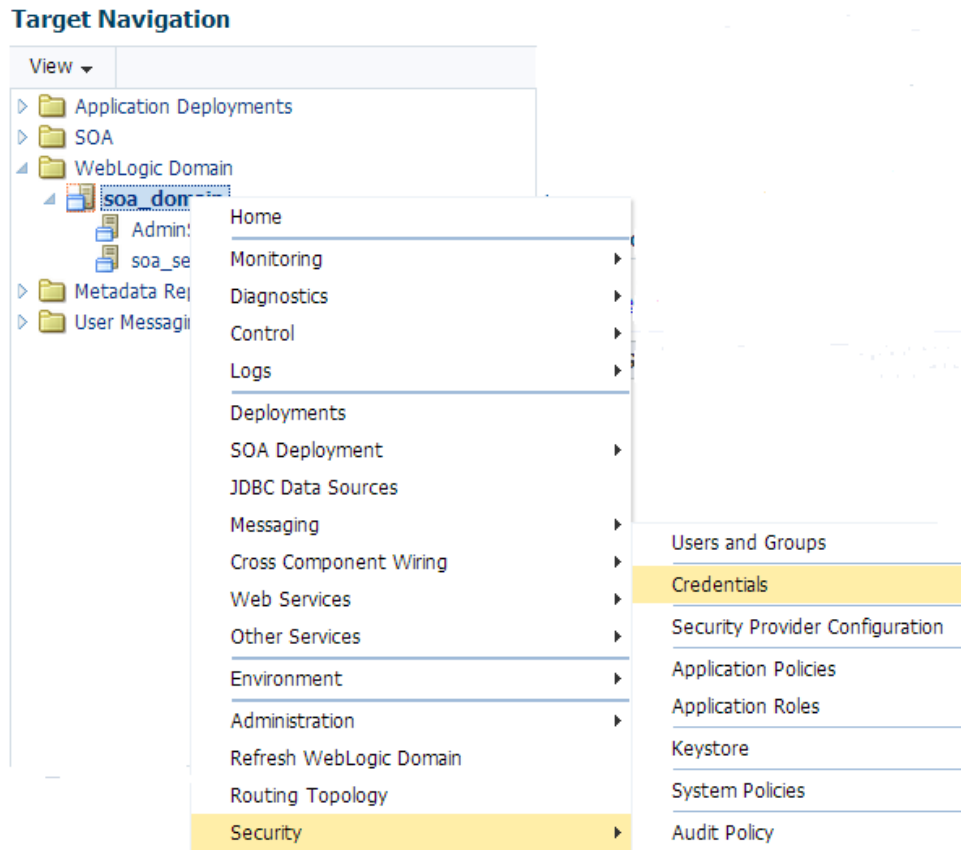
Grant Permissions to jca-binding-api.jar

1. Log in to Oracle Enterprise Manager Fusion Middleware Control.
2. In the System Policies page, expand **Search**.
3. For the **Type** select **Codebase** and for **Name Includes** enter "jca" and click the arrow button.
4. Select jca-binding-api.jar in the search returned result and click **Edit**.
5. In the Edit System Grant page, click **Add**.
6. In the Add Permission page, click **Select here to enter details for a new permission** and enter the following:
 - **Class:**
`oracle.security.jps.service.credstore.CredentialAccessPermission`
 - **Resource Name:**
`context=SYSTEM,mapName=oracle.wsm.security,keyName=*`
 - **Permission Action:** *
7. Click **OK** to save the new permission.

Creating the CSF Map in Oracle Enterprise Manager Fusion Middleware Control

You must create the CSF map and configure the CSF key in Oracle Enterprise Manager Fusion Middleware Control before you can manage and monitor the adapter in an application during runtime. The same CSF key configuration details that you specify at design time in the Adapter Configuration Wizard must be specified in the credential store of the Oracle WebLogic Server domain on which to deploy the SOA composite application or Oracle Service Bus business service.

1. Log in to Oracle Enterprise Manager Fusion Middleware Control.
2. In the navigator, expand the **WebLogic Domain** folder.
3. Right-click the managed server you are using for deployment and navigate to **Security > Credentials**.



4. Click **Create Map**.
5. Enter `oracle.wsm.security`, and click **OK**.

This creates a map in the credentials list.

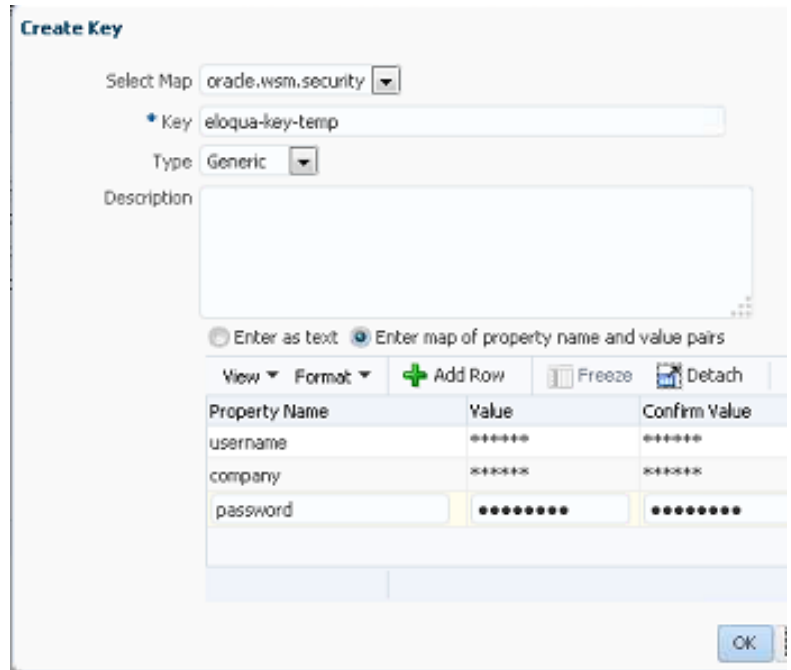
Creating the CSF Key for the Eloqua Cloud and NetSuite Cloud Adapters in Oracle Enterprise Manager Fusion Middleware Control

Specify the following details to create the CSF key for the Oracle Eloqua Cloud adapter and Oracle NetSuite Cloud adapter in Oracle Enterprise Manager Fusion Middleware Control.

1. Access the Credential Store page by following the steps in [Configuring the CSF Map in Oracle Enterprise Manager Fusion Middleware Control](#).
2. Click **Create Key**.
3. Enter the following details, and click **OK**. The values you enter must be the same as those you enter when creating the CSF authentication key in the Adapter Configuration Wizard in Oracle JDeveloper.

Field	Description
Select Map	Select <code>oracle.wsm.security</code> .
Key	Enter a key value (for example, <code>e1oqua-key</code>).

Field	Description
Type (for Oracle Eloqua Cloud adapter)	<p>Select Generic. Oracle Eloqua Cloud adapter requires an additional property named company. The dialog is refreshed and prompts you to create specific property names and values.</p> <ol style="list-style-type: none"> Enter an optional description. Click Enter map of property name and value pairs. Click Add Row to add an initial property name and value row. Enter username in the Property Name column. Specify values for username in the Value and Confirm Value columns. Repeat the previous steps to enter rows for company and password. When complete, the dialog looks as follows for the Oracle Eloqua Cloud adapter:



- Click **OK**.

Field	Description
Type (for Oracle NetSuite Cloud adapter)	<p>Select Generic. The dialog is refreshed and prompts you to create specific property names and values. The property names must be all lower-case.</p> <ol style="list-style-type: none"> Enter an optional description. Click Enter map of property name and value pairs. Click Add Row to add an initial property name and value row. Enter <code>email</code> in the Property Name column. Specify values for <code>email</code> in the Value and Confirm Value columns. Repeat the previous steps to enter rows for <code>account</code> (for example, <code>TSTDRV1135946</code>), <code>role</code> (for example, <code>3</code>), <code>password</code>, and (optionally) <code>description</code>. Click OK.

Creating the CSF Key for Other Cloud Adapters in Oracle Enterprise Manager Fusion Middleware Control

Specify the following details to create the CSF key for the Oracle Sales Cloud, Oracle RightNow Cloud, Oracle ERP Cloud, and Salesforce Cloud adapters in Oracle Enterprise Manager Fusion Middleware Control.

- Access the Credential Store page by following the steps in [Creating the CSF Map in Oracle Enterprise Manager Fusion Middleware Control](#).
- Click **Create Key**.
- Enter the following details, and click **OK**. The values you enter must be the same as those you enter when creating the CSF authentication key in the Adapter Configuration Wizard in Oracle JDeveloper.

Field	Description
Select Map	Select oracle.wsm.security .
Key	Enter a key value (for example, <code>rightnow-key</code> if you are configuring the Oracle RightNow Cloud adapter).
Type	Select Password .
User Name	Enter the user name.
Password	Enter the password.
Confirm Password	Enter the same password a second time.
Description	Optionally enter a unique description.

The created key is displayed beneath the map name (**oracle.wsm.security**) in the credentials list.

The screenshot shows the Oracle Enterprise Manager Fusion Middleware Control interface for the 'soainfra' domain. The breadcrumb path is '/Domain_soainfra/soainfra > Credentials'. Below the breadcrumb, there is a description of the Credential Store and a section for the 'Credential Store Provider'. A toolbar contains buttons for 'View', 'Create Map', 'Create Key', 'Edit...', 'Delete...', and 'Detach'. A search field for 'Credential Key Name' is also present. The main content is a table with three columns: 'Credential', 'Type', and 'Description'.

Credential	Type	Description
oracle.wsm.security		
hcm-key	Password	
osc-key	Password	

Configuring the Certificate and Proxy Settings

Perform the following Oracle Cloud Adapter certificate and proxy setting tasks.

Topics

- [Configuring the Proxy Server During Design Time in Oracle JDeveloper](#)
- [Importing the Client Certificates to the Trust Store](#)
- [Configuring the Proxy Server for Runtime](#)

Configuring the Proxy Server During Design Time in Oracle JDeveloper

Configure the proxy server in Oracle JDeveloper.

1. In Oracle JDeveloper, select **Tools > Preferences > Web Browser and Proxy**.
2. Select the **Proxy Settings** tab in **Web Browser and Proxy**.
3. In **Manual Proxy Settings**, configure the following settings:
 - Set **Host** to your proxy server name, for example, `www-proxy.us.example.com`.
 - Set **No Proxy For** to `localhost | *.proxy_server | 127.0.0.1 | 10.*.*.* | *.foo.com | etc`
Where `proxy_server` is the host name of the proxy server.
4. Test the proxy by clicking **Test Proxy**.
5. Click **OK** to finish.

Importing the Client Certificates to the Trust Store (DemoTrust.jks)

If the application WSDL is certificate authority (CA)-certified, you must update `FMW_HOME/user_projects/domains/WLS_SOA/bin/setDomainEnv.sh` as follows:

1. Open `FMW_HOME/user_projects/domains/WLS_SOA/bin/setDomainEnv.sh`.
2. In `EXTRA_JAVA_PROPERTIES`:

Replace:

- `-Djavax.net.ssl.trustStore=%WL_HOME%\server\lib\DemoTrust.jks`

With:

- `-Djavax.net.ssl.trustStore=kss://system/trust -Djavax.net.ssl.trustStoreType=kss`

Configuring the Proxy Server for Runtime

You must configure the proxy server for runtime use.

1. Open `FMW_HOME/user_projects/domains/WLS_SOA/bin/setDomainEnv.sh`.
2. Append the following lines to `EXTRA_JAVA_PROPERTIES`:

```
EXTRA_JAVA_PROPERTIES="{EXTRA_JAVA_PROPERTIES}
-Djavax.net.ssl.trustStore=kss://system/trust
-Djavax.net.ssl.trustStoreType=kss
-Dhttp.proxyHost=www-proxy.us.oracle.com
-Dhttp.proxyPort=80
-Dhttp.nonProxyHosts=localhost|*.us.example.com
*.opcsbcs.oraclecloud.internal|127.0.0.1|Managed_Server1_IP_address|
Managed_Server2_IP_address|10.*.*.*|*.foo.com|etc
-Dhttps.proxyHost=www-proxy.us.oracle.com
-Dhttps.proxyPort=80"
```

Where `.us.example.com` is the host name of your proxy server, and `Managed_Server1_IP_address` and `Managed_Server2_IP_address` are your managed server IP addresses.

For more information about using the cloud adapters with Oracle SOA Cloud Service, see [About the Cloud Adapter Pack](#).

Specifying Inbound WSDL URL Patterns

Oracle SOA Suite and Oracle Service Bus inbound WSDL URLs must adhere to the conventions described in this section.

Topic

- [Specifying Oracle SOA Suite and Oracle Service Bus Inbound WSDL URL Patterns](#)

Specifying Oracle SOA Suite and Oracle Service Bus Inbound WSDL URL Patterns

Use the following conventions when specifying Oracle SOA Suite and Oracle Service Bus inbound WSDL URLs for the Oracle cloud adapters.

Pattern	URL Format	Example
Oracle SOA Suite	<p><code>https://hostname:ssl_port/integration/flowsvc/adapter/partition_name/composite_name/service_name/version?wsdl</code></p> <p>where <i>adapter</i> is:</p> <ul style="list-style-type: none"> • rightnow • hcm • osc <p>After deployment, you can also obtain the URL from the soa-diagnostic log.</p>	<p><code>https://abc123.us.company.com:20117/integration/flowsvc/rightnow/default/RNOW-OSC-SYNC/RightnowService/v1.0/?wsdl</code></p>
Oracle Service Bus	<p><code>https://hostname:ssl_port/integration/flowsvc/adapter/application_name/proxy_name/version/?wsdl</code></p> <p>where <i>adapter</i> is:</p> <ul style="list-style-type: none"> • rightnow • hcm • osc 	<p><code>https://abc123.us.company.com:7002/integration/flowsvc/hcm/OSC-OSC/Service/v1.0/?wsdl</code></p>

Note: You cannot publish the cloud SDK WSDLs in the SOA Infrastructure (soa-infra) because the soa-infra and cloud SDK have no direct relationship.
