

Oracle® Cloud

Using the Oracle Messaging Cloud Service Adapter

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Preface

Using the Oracle Messaging Cloud Service Adapter describes how to configure the Oracle Messaging Cloud Service Adapter as a connection in an integration in Oracle Integration Cloud Service.

Topics:

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

Audience

Using the Oracle Messaging Cloud Service Adapter is intended for developers who want to use the Oracle Messaging Cloud Service Adapter in integrations in Oracle Integration Cloud Service.

Related Resources

For more information, see these Oracle resources:

- Oracle Cloud
<http://cloud.oracle.com>
- *Using Oracle Integration Cloud Service*
- *Using the Oracle Mapper*
- *Getting Started with Oracle Cloud*
- *Managing and Monitoring Oracle Cloud*

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.

Convention	Meaning
<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.

Getting Started with the Oracle Messaging Cloud Service Adapter

Review the following conceptual topics to learn about the Oracle Messaging Cloud Service Adapter and how to use it as a connection in integrations in Oracle Integration Cloud Service. A typical workflow of adapter and integration tasks is also provided.

Topics

- [Oracle Messaging Cloud Service Adapter Capabilities](#)
- [What Application Version Does the Oracle Messaging Cloud Service Adapter Support?](#)
- [About Oracle Integration Cloud Service](#)
- [About Oracle Integration Cloud Service Connections](#)
- [About Oracle Integration Cloud Service Integrations](#)
- [About Oracle Messaging Cloud Service Adapter Use Cases](#)
- [Typical Workflow for Creating and Including an Adapter Connection in an Integration](#)

Oracle Messaging Cloud Service Adapter Capabilities

The Oracle Messaging Cloud Service Adapter enables you to create an integration with Oracle Messaging Cloud Service. Oracle Messaging Cloud Service provides a messaging system for applications to communicate reliably with each other, enabling application developers to share information across multiple applications. Oracle Messaging Cloud Service is heavily influenced by the Java Message Service (JMS) API specification, which is a standard messaging interface for sending and receiving messages between enterprise Java applications.

This adapter enables you to interact with Oracle Messaging Cloud Service queues and topics hosted in Oracle Public Cloud. You can perform the following tasks against Oracle Messaging Cloud Service queues and topics:

- Send and receive messages to and from queues
- Create durable subscriptions for topics
- Subscribe to and consume messages from topics
- Send messages to topics

What Application Version Does the Oracle Messaging Cloud Service Adapter Support?

The Oracle Messaging Cloud Service Adapter is compatible with any version of the Oracle Messaging Cloud Service.

About Oracle Integration Cloud Service

Oracle Integration Cloud Service is a complete, secure, but lightweight integration solution that enables you to connect your applications in the cloud. It simplifies connectivity between your applications and connects both your applications that live in the cloud and your applications that still live on premises. Oracle Integration Cloud Service provides secure, enterprise-grade connectivity regardless of the applications you are connecting or where they reside.

Oracle Integration Cloud Service provides native connectivity to Oracle Software as a Service (SaaS) applications, such as Oracle Sales Cloud, Oracle RightNow Cloud, and so on. Oracle Integration Cloud Service *adapters* simplify connectivity by handling the underlying complexities of connecting to applications using industry-wide best practices. You only need to create a *connection* that provides minimal connectivity information for each system. Oracle Integration Cloud Service *lookups* map the different codes or terms used by the applications you are integrating to describe similar items (such as country or gender codes). Finally, the visual data mapper enables you to quickly create direct mappings between the trigger and invoke data structures. From the mapper, you can also access lookup tables and use standard XPath functions to map data between your applications.

Once you integrate your applications and activate the integrations to the runtime environment, the dashboard displays information about the running integrations so you can monitor the status and processing statistics for each integration. The dashboard measures and tracks the performance of your transactions by capturing and reporting key information, such as throughput, the number of messages processed successfully, and the number of messages that failed processing. You can also manage business identifiers that track fields in messages and manage errors by integrations, connections, or specific integration instances.

About Oracle Integration Cloud Service Connections

Connections define information about the instances of each configuration you are integrating. Oracle Integration Cloud Service includes a set of predefined *adapters*, which are the types of applications on which you can base your connections, such as Oracle Sales Cloud, Oracle Eloqua Cloud, Oracle RightNow Cloud, and others. A connection is based on an adapter. A connection includes the additional information required by the adapter to communicate with a specific instance of an application (this can be referred to as metadata or as connection details). For example, to create a connection to a specific RightNow Cloud application instance, you must select the Oracle RightNow adapter and then specify the WSDL URL, security policy, and security credentials to connect to it.



[Video](#)

About Oracle Integration Cloud Service Integrations

Integrations are the main ingredient of Oracle Integration Cloud Service. An integration includes at the least a trigger (source) connection (for requests sent to Oracle Integration Cloud Service) and invoke (target) connection (for requests sent

from Oracle Integration Cloud Service to the target) and the field mapping between those two connections.

When you create your integrations, you build on the [connections](#) you already created by defining how to process the data for the trigger (source) and invoke (target) connections. This can include defining the type of operations to perform on the data, the business objects and fields against which to perform those operations, required schemas, and so on. To make this easier, the most complex configuration tasks are handled by Oracle Integration Cloud Service. Once your trigger (source) and invoke (target) connections are configured, the mappers between the two are enabled so you can define how the information is transferred between the trigger (source) and invoke (target) data structures for both the request and response messages.



[Video](#)

About Oracle Messaging Cloud Service Adapter Use Cases

The Oracle Messaging Cloud Service Adapter enables Oracle Integration Cloud Service to interact with the external Oracle Messaging Cloud Service of Oracle Public Cloud.

Typical Workflow for Creating and Including an Adapter Connection in an Integration

You follow a very simple workflow to create a connection with an adapter and include the connection in an integration in Integration Cloud Service.

Step	Description	More Information
1	Create the adapter connections for the applications you want to integrate. The connections can be reused in multiple integrations and are typically created by the administrator.	Creating an Oracle Messaging Cloud Service Adapter Connection
2	Create the integration. When you do this, you add trigger and invoke connections to the integration.	Creating an Integration and Adding the Oracle Messaging Cloud Service Adapter Connection to an Integration
3	Map data between the trigger connection data structure and the invoke connection data structure.	<i>Mapping Integration Cloud Service Data of Using Oracle Integration Cloud Service</i>
4	(Optional) Create lookups that map the different values used by those applications to identify the same type of object (such as gender codes or country codes).	<i>Creating Lookups of Using Oracle Integration Cloud Service</i>
5	Activate the integration.	<i>Managing Integrations of Using Oracle Integration Cloud Service</i>
6	Monitor the integration on the dashboard.	<i>Monitoring Integration Cloud Services of Using Oracle Integration Cloud Service</i>

Step	Description	More Information
7	Track payload fields in messages during runtime.	Assigning Business Identifiers for Tracking Fields in Messages and Managing Business Identifiers for Tracking Fields in Messages of <i>Using Oracle Integration Cloud Service</i>
8	Manage errors at the integration level, connection level, or specific integration instance level.	Managing Errors of <i>Using Oracle Integration Cloud Service</i>

Creating an Oracle Messaging Cloud Service Adapter Connection

A connection is based on an adapter. You define connections to the specific cloud applications that you want to integrate. The following topics describe how to define connections.

Topics

- [Prerequisites for Creating a Connection](#)
- [Uploading an SSL Certificate](#)
- [Creating a Connection](#)
- [Editing a Connection](#)
- [Cloning a Connection](#)
- [Deleting a Connection](#)

Prerequisites for Creating a Connection

You must satisfy the following prerequisites to create a connection with the Oracle Messaging Cloud Service Adapter.

- You must subscribe to the Oracle Messaging Cloud Service to use Oracle Messaging Cloud Service Adapter. The Oracle Messaging Cloud Service is a communication backbone delivered as a cloud service that connects internet-based applications and devices in the cloud and on-premises environments. This subscription provides you with a username, password, and messaging service URI that you specify when configuring a connection on the Connections page in Oracle Integration cloud Service.

For information about subscribing to Oracle Messaging Cloud Service, see <https://cloud.oracle.com/messaging>.

Uploading an SSL Certificate

Certificates are used to validate outbound SSL connections. If you make an SSL connection in which the root certificate does not exist in Oracle Integration Cloud Service, an exception is thrown. In that case, you must upload the appropriate certificate. A certificate enables Oracle Integration Cloud Service to connect with external services. If the external endpoint requires a specific certificate, request the certificate and then upload it into Oracle Integration Cloud Service.

To upload a certificate:

1. From the Oracle Integration Cloud Service home page, click the **Administration** tab in the upper right corner.

All certificates currently uploaded to the trust store are displayed in the Certificates dialog. The **Filter By > Type** list displays the following details:

- **Preinstalled:** Displays the certificates automatically installed in Oracle Integration Cloud Service. These certificates cannot be deleted.
- **Uploaded:** Displays the certificates uploaded by individual users. These certificates can be deleted and updated.

You can also search for certificates in the **Search** field. The search results are limited to a maximum of ten records sorted by name for performance and usability reasons. To ensure that your search results are more granular, enter as much of the certificate name as possible.

2. Click **Upload** at the top of the page.
3. In the Upload Certificate dialog box, enter a unique identifier for the certificate.
This is a name you can use to identify the certificate.
4. Click **Browse** to locate the certificate file (.cer).
5. Click **Upload**.
6. Click the certificate name to view details such as the subject of the certificate, the issuer of the certificate, the date the certificate was issued, and the date the certificate expires.

Creating a Connection

The first step in creating an integration is to create the connections to the applications with which you want to share data.

1. In the Integration Cloud Service toolbar, click **Designer**.
2. On the Designer Portal, click **Connections**.
3. Click **New Connection**.

The Create Connection — Select Adapter dialog is displayed.

4. Select an adapter from the dialog. You can also search for the type of adapter to use by entering a partial or full name in the Search field, and clicking **Search**.

The New Connection — Information dialog is displayed.

5. Enter the information to describe the connection.
 - Enter a meaningful name to help others find your connection when they begin to create their own integrations. The name you enter is automatically added in capital letters to the **Identifier** field.
 - Select the role (direction) in which to use this connection (trigger, invoke, or both). Only the roles supported by this adapter are displayed for selection. When you select a role, only the connection properties and security policies appropriate to that role are displayed on the Connections page. If you select an adapter that supports both invoke and trigger, but select only one of those roles,

then try to drag the adapter into the section you did not select, you receive an error (for example, configure an Oracle RightNow Cloud Adapter as only an invoke, but drag the adapter to the trigger section).

- Enter an optional description of the connection.

6. Click **Create**.

Your connection is created and you are now ready to configure connection details, such as email contact, connection properties, security policies, and connection login credentials.

Adding a Contact Email

From the Connection Administrator section of the connection, you can add a contact email address for notifications.

1. In the **Email Address** field, enter an email address to receive email notifications when problems occur.
2. In the upper right corner, click **Save**.

Configuring Connection Properties

Enter connection information so your application can process requests.

1. Click **Configure Connectivity**.

The Connection Properties dialog is displayed.

2. In the **Messaging Service URL** field, specify the URI that you received when subscribing to Oracle Messaging Cloud Service.
3. Click **OK**.
4. Configure connection security.

Configuring Connection Security

Configure security for your Oracle Messaging Cloud Service Adapter connection by selecting the security policy and security token.

1. Click **Configure Credentials**.
2. Enter your login credentials:
 - a. Select the security policy. Only the Username Password Token policy is supported. It cannot be deselected.
 - b. Enter a username and password to connect to Oracle Messaging Cloud Service. You received these credentials when subscribing to Oracle Messaging Cloud Service.
 - c. Reenter the password a second time.
3. Click **OK**.

Testing the Connection

Test your connection to ensure that it is successfully configured.

1. In the upper right corner of the page, click **Test**.

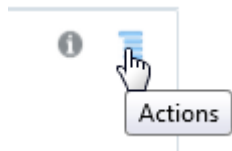
If successful, the following message is displayed and the progress indicator shows 100%.

```
The connection test was successful!
```
2. If your connection was unsuccessful, an error message is displayed with details. Verify that the configuration details you entered are correct.
3. When complete, click **Save**.

Editing a Connection

You can edit connection settings after creating a new connection.

1. In the Oracle Integration Cloud Service toolbar, click **Designer**.
2. On the Designer Portal, click **Connections**.
3. On the Connections page, search for the connection name.
4. Select **Edit** from the connection **Actions** menu or click the connection name.



The Connection page is displayed.

5. To edit the notification email contact, change the email address in the **Email Address** field.

6. To edit the connection properties, click **Configure Connectivity**. Note that some connections do not include this button. If your connector does not include a **Configure Connectivity** button, then click the **Configure Credentials** button.

Cloning a Connection

You can clone a copy of an existing connection. It is a quick way to create a new connection.

1. In the Oracle Integration Cloud Service toolbar, click **Designer**.
2. On the Designer Portal, click **Connections**.
3. On the Connections page, search for the connection name.
4. Select **Clone** from the connection **Actions** menu.



The Clone Connection dialog is displayed.

5. Enter the connection information.
6. Click **Clone**.
7. Click **Edit** to configure the credentials of your cloned connection. Cloning a connection does not copy the credentials.

See [Editing a Connection](#) for instructions.

Deleting a Connection

You can delete a connection from the connection menu.

1. In the Oracle Integration Cloud Service toolbar, click **Designer**.
2. On the Designer Portal, click **Connections**.
3. On the Connections page, search for the connection name.
4. Click **Delete** from the connection **Actions** menu.



The Delete Connection dialog is displayed if the connection is not used in an integration.

5. Click **Yes** to confirm deletion.

Creating an Integration

Integrations use the adapter connections you created to your applications, and define how information is shared between those applications. You can create, import, modify, or delete integrations; create integrations to publish or subscribe to messages; add and remove request and response enrichment triggers; and create routing paths for different invoke endpoints in integrations. Click the following topics for more information.

Topic

- [Creating Integrations \(in *Using Oracle Integration Cloud Service*\)](#)

Adding the Oracle Messaging Cloud Service Adapter Connection to an Integration

When you drag the Oracle Messaging Cloud Service Adapter into the trigger and invoke areas of an integration, the Adapter Endpoint Configuration Wizard is invoked. This wizard guides you through configuration of the Oracle Messaging Cloud Service Adapter endpoint properties.

The following sections describe the wizard pages that guide you through configuration of the Oracle Messaging Cloud Service Adapter as a trigger or invoke in an integration.

Topics

- [Configuring Basic Information Properties](#)
- [Configuring Oracle Messaging Cloud Service Trigger Operations Properties](#)
- [Configuring Oracle Messaging Cloud Service Trigger Messages Properties](#)
- [Configuring Oracle Messaging Cloud Service Invoke Operations Properties](#)
- [Configuring Oracle Messaging Cloud Service Invoke Messages Properties](#)
- [Reviewing Configuration Values on the Summary Page](#)

For more information about the Oracle Messaging Cloud Service Adapter, see [Oracle Messaging Cloud Service Adapter Capabilities](#).

Configuring Basic Information Properties

You can enter a name and description on the Basic Info page of each adapter in your integration.

Topics

- [What You Can Do from the Basic Info Page](#)
- [What You See on the Basic Info Page](#)

What You Can Do from the Basic Info Page

You can specify the following values on the Basic Info page. The Basic Info page is the initial wizard page that is displayed whenever you drag an adapter to the section of the integration canvas supported by your adapter.

- Specify a meaningful name.

- Specify a description of the responsibilities.

What You See on the Basic Info Page

The following table describes the key information on the Basic Info page.

Element	Description
What do you want to call your endpoint?	Provide a meaningful name so that others can understand the responsibilities of this connection. You can include English alphabetic characters, numbers, underscores, and dashes in the name. You cannot include the following: <ul style="list-style-type: none">• Blank spaces (for example, My Inbound Connection)• Special characters (for example, #;83& or righ(t)now4)• Multibyte characters
What does this endpoint do?	Enter an optional description of the connection's responsibilities. For example: This connection receives an inbound request to synchronize account information with the cloud application.

Configuring Oracle Messaging Cloud Service Trigger Operations Properties

Enter the Oracle Messaging Cloud Service trigger operation values for your integration.

Topics

- [What You Can Do from the Oracle Messaging Cloud Service Trigger Operations Page](#)
- [What You See on the Oracle Messaging Cloud Service Trigger Operations Page](#)

What You Can Do from the Oracle Messaging Cloud Service Trigger Operations Page

You can specify the following trigger destination and messaging parameter values for the Oracle Messaging Cloud Service.

- Select the JNDI destination name of the queue or topic.
- Specify the message selector filtering logic.
- Select whether to continue receiving messages while offline.
- Specify the durable subscriber identifier (ID).

What You See on the Oracle Messaging Cloud Service Trigger Operations Page

The following table describes the key information on the Oracle Messaging Cloud Service trigger Operations page.

Element	Description
Select Destination	Select the JNDI destination name of the queue or topic to consume the message. In the trigger direction, the connection polls (consumes) messages from a destination.
Destination Name Filter	<p>Enter the initial letters to filter the display of JNDI destination names. You can also select one of the following filtering options.</p> <ul style="list-style-type: none"> • All: Displays all JNDI destination names. • Queue: Displays only the queue names. • Topic: Displays only the topic names.
Message Selector	<p>Specify filtering logic to receive messages that match certain criteria. Enter an expression between 1 and 255 characters in length. Use SQL92 syntax in this field. The JMS server uses these criteria to filter messages received by this consumer. This works with variables defined in standard JMS headers and user-defined properties. You cannot use variables or elements that are in the payload of the message.</p> <p>For example, you can enter logic such as:</p> <ul style="list-style-type: none"> • <code>JMSPriority > 3</code>. Based on this, messages with a priority greater than 3 are consumed. All other messages are rejected. • <code>JMSType = 'car' AND color = 'blue' AND weight 2500</code> • <code>Country in ('UK', 'US', 'France')</code>
Continue to receive messages when offline	Select to continue receiving messages while the Oracle Message Cloud Service is offline. If you selected a topic in the Select Destination list, this checkbox is enabled.

Element	Description
Subscriber ID	<p>Specify a unique ID to create a durable subscription to a topic on the Messaging Service Cloud. This field is enabled and is mandatory if you selected the Continue to receive messages when offline checkbox.</p> <p>This is the identifier of a durable subscription that outlasts a client's connection with a JMS message server. When a durable subscriber is disconnected from the JMS server, the server must store messages that the subscriber misses. When the durable subscriber reconnects, the message server sends it all the unexpired messages that accumulated. The durable subscription only works for JMS topics. For a nondurable subscriber, the message server does not send it all the unexpired messages. You can specify an ID for receiving messages from a topic (multiconsumer queue). Enter a value between 1 and 255 characters in length.</p> <p>When you specify an ID for topics, you receive messages even if you do not currently have an active subscription session. You can access these messages the next time you have an active subscription session.</p>

Configuring Oracle Messaging Cloud Service Trigger Messages Properties

Enter the Oracle Messaging Cloud Service trigger message values for your integration.

Topics

- [What You Can Do from the Oracle Messaging Cloud Service Trigger Messages Page](#)
- [What You See on the Oracle Messaging Cloud Service Trigger Messages Page](#)

What You Can Do from the Oracle Messaging Cloud Service Trigger Messages Page

You can specify the following trigger schema messaging parameter values for the Oracle Messaging Cloud Service.

- Indicate if the schema file to pass is an opaque message.
- Specify the schema XSD file location.
- Select the schema element.

What You See on the Oracle Messaging Cloud Service Trigger Messages Page

The following table describes the key information on the Oracle Messaging Cloud Service trigger Messages page.

Element	Description
Specify a definition for the message	Deselect if the schema to pass is an opaque message (for example, a GIF or PNG file). Deselecting this check box disables the fields below.
Provide a location to the XSD that describes your message	Click Browse to select the XSD file (for example, <code>/net/myhost/scratch/omsc/expense.xsd</code>). When selected, the XSD file contents are displayed. The Oracle Messaging Cloud Service connection requires complete XSDs that are self-resolvable in the Integration Cloud Service environment. Any schema file (XSD) that explicitly performs an include or import of any other child schema must be self-resolvable. If not, the schemas (XSDs) are not consumed by the Oracle Messaging Cloud Service connection.
Select the schema element to use in this integration	Select the schema element to use in this integration. The elements available are based on the selected XSD file.

Configuring Oracle Messaging Cloud Service Invoke Operations Properties

Enter the Oracle Messaging Cloud Service invoke operation values for your integration.

Topics

- [What You Can Do from the Oracle Messaging Cloud Service Invoke Operations Page](#)
- [What You See on the Oracle Messaging Cloud Service Invoke Operations Page](#)

What You Can Do from the Oracle Messaging Cloud Service Invoke Operations Page

You can specify the following invoke destination and messaging parameter values for the Oracle Messaging Cloud Service.

- Select the JNDI destination name of the queue or topic.
- Specify the life span for the message.

What You See on the Oracle Messaging Cloud Service Invoke Operations Page

The following table describes the key information on the Oracle Messaging Cloud Service invoke Operations page.

Element	Description
Select Destination	Select the JNDI destination name of the queue or topic to produce the message. In the invoke direction, the connection sends (produces) messages to a destination.
Destination Name Filter	Enter the initial letters to filter the display of JNDI destination names. You can also select one of the following filtering options: <ul style="list-style-type: none">• All: Displays all JNDI destination names.• Queue: Displays only the queue names.• Topic: Displays only the topic names.
Remove Message after 0 seconds	Specify the life span of the message. If no subscribers consume the message in the given life span, the message is not delivered. The maximum time a message can live in Oracle Messaging Cloud Service is 14 days. The time-to-live can be set to a value less than 14 days for any given message. When a message reaches the defined time-to-live value, it is permanently deleted.

Configuring Oracle Messaging Cloud Service Invoke Messages Properties

Enter the Oracle Messaging Cloud Service invoke message values for your integration.

Topics

- [What You Can Do from the Oracle Messaging Cloud Service Invoke Messages Page](#)
- [What You See on the Oracle Messaging Cloud Service Invoke Messages Page](#)

What You Can Do from the Oracle Messaging Cloud Service Invoke Messages Page

You can specify the following invoke schema messaging parameter values for the Oracle Messaging Cloud Service.

- Indicate if the schema file to pass is an opaque message.
- Specify a definition for the message.
- Specify the schema XSD file location.
- Select the schema element.

What You See on the Oracle Messaging Cloud Service Invoke Messages Page

The following table describes the key information on the Oracle Messaging Cloud Service invoke Messages page.

Element	Description
Specify a definition for the message	Deselect if the schema to pass is an opaque message (for example, a GIF or PNG file). Deselecting this check box disables the fields below.
Provide a location to the XSD that describes your message	Click Browse to select the XSD file (for example, <code>/net/myhost/scratch/omsc/costs.xsd</code>). When selected, the contents are displayed. The Oracle Messaging Cloud Service connection requires complete XSDs that are self-resolvable in the Integration Cloud Service environment. Any schema file (XSD) that explicitly performs an include or import of any other child schema must be self-resolvable. If not, the schemas (XSDs) are not consumed by the Oracle Messaging Cloud Service connection.
Select the schema element to use in this integration	Select the schema element to use in this integration. The elements available are based on the selected XSD file.

Reviewing Configuration Values on the Summary Page

You can review the specified adapter configuration values on the Summary page.

Topics

- [What You Can Do from the Summary Page](#)
- [What You See on the Summary Page](#)

What You Can Do from the Summary Page

You can review configuration details from the Summary page. The Summary page is the final wizard page for each adapter after you have completed your configuration.

- View the configuration details you defined for the adapter. For example, if you have defined an inbound trigger (source) adapter with a request business object and immediate response business object, specific details about this configuration are displayed on the Summary page.
- Click **Done** if you want to save your configuration details.
- Click a specific tab in the left panel or click **Back** to access a specific page to update your configuration definitions.

- Click **Cancel** to cancel your configuration details.

What You See on the Summary Page

The following table describes the key information on the Summary page.

Element	Description
Summary	<p>Displays a summary of the configuration values you defined on previous pages of the wizard.</p> <p>The information that is displayed can vary by adapter. For some adapters, the selected business objects and operation name are displayed. For adapters for which a generated XSD file is provided, click the <i>XSD</i> link to view a read-only version of the file.</p> <p>To return to a previous page to update any values, click the appropriate tab in the left panel or click Back.</p>

Creating Mappings and Lookups in Integrations

You must map data between trigger connections and invoke connections in integrations. You can also optionally create lookups in integrations.

Topics

- Mapping Integration Cloud Service Data (in *Using Oracle Integration Cloud Service*)
- Creating Lookups (in *Using Oracle Integration Cloud Service*)

Administering Integrations

Oracle Integration Cloud Service provides you with the information and tools required to activate, monitor, and manage your integrations in the runtime environment.

Topic

- Administering Integration Cloud Service (in *Using Oracle Integration Cloud Service*)

Troubleshooting Oracle Messaging Cloud Service Adapter

Most errors result from an incorrect URL, username, or password. Ensure that you enter the correct values when configuring your connection on the Connections page.
