This guide describes how to configure and add the Oracle Database Adapter to an integration in Oracle Integration Cloud Service.
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Using the Oracle Database Adapter describes how to configure the Oracle Database Adapter as a connection in an integration in Oracle Integration Cloud Service.

Topics:

• Audience
• Related Resources
• Conventions

Audience

Using the Oracle Database Adapter is intended for developers who want to use the Oracle Database 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

Conventions

The following text conventions are used in this document:

<table>
<thead>
<tr>
<th>Convention</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>boldface</strong></td>
<td>Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.</td>
</tr>
<tr>
<td><em>italic</em></td>
<td>Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.</td>
</tr>
<tr>
<td><code>monospace</code></td>
<td>Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.</td>
</tr>
</tbody>
</table>
Getting Started with the Oracle Database Adapter

Review the following conceptual topics to learn about the Oracle Database 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

- About the Oracle Database Adapter
- About Oracle Integration Cloud Service
- About Oracle Integration Cloud Service Connections
- About Oracle Integration Cloud Service Integrations
- Typical Workflow for Creating and Including an Adapter Connection in an Integration

About the Oracle Database Adapter

The Oracle Database Adapter enables you to run stored procedures or SQL statements on a database as part of an integration in Oracle Integration Cloud Service.

The Oracle Database Adapter provides the following benefits:

- You can run stored procedures. Support is provided for non-JDBC (PL/SQL) datatypes in outbound invocations of stored procedures.
- You can run SQL statements.
- Distributed polling and multithreading support.

The Oracle Database Adapter is certified to connect to Oracle Database Cloud Service through the on-premises agent. You install the on-premises agent on the Oracle Database Cloud Service instance. On the Connections page, you then provide Oracle Database Cloud Service instance-specific connection parameters, including the host, port, service ID, username, and password. You associate the respective agent group and then test the connection. For information about installing the on-premises agent, see Downloading and Running the On-Premises Agent Installer of Using Oracle Integration Cloud Service. For information about Oracle Database Cloud Service, see Oracle Database Cloud - Database as a Service.

The Oracle Database Adapter is one of many predefined adapters included with Oracle Integration Cloud Service. You can configure the Oracle Database Adapter as a connection in an integration in Oracle Integration Cloud Service. For information about Oracle Integration Cloud Service, connections, and integrations, see the following sections:
What Application Version Does the Oracle Database Adapter Support?

The Oracle Database Adapter is compatible with version 12 of the Oracle Database.

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 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

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.

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>More Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>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.</td>
<td>Creating an Oracle Database Adapter Connection</td>
</tr>
<tr>
<td>2</td>
<td>Create the integration. When you do this, you add trigger and invoke connections to the integration.</td>
<td>Creating an Integration and Adding the Oracle Database Adapter Connection to an Integration</td>
</tr>
<tr>
<td>3</td>
<td>Map data between the trigger connection data structure and the invoke connection data structure.</td>
<td>Mapping Integration Cloud Service Data of Using Oracle Integration Cloud Service</td>
</tr>
<tr>
<td>4</td>
<td>(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).</td>
<td>Creating Lookups of Using Oracle Integration Cloud Service</td>
</tr>
<tr>
<td>5</td>
<td>Activate the integration.</td>
<td>Managing Integrations of Using Oracle Integration Cloud Service</td>
</tr>
<tr>
<td>6</td>
<td>Monitor the integration on the dashboard.</td>
<td>Monitoring Integration Cloud Services of Using Oracle Integration Cloud Service</td>
</tr>
<tr>
<td>Step</td>
<td>Description</td>
<td>More Information</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>7</td>
<td>Track payload fields in messages during runtime.</td>
<td>Assigning Business Identifiers for Tracking Fields in Messages and Managing Business Identifiers for Tracking Fields in Messages of Using Oracle Integration Cloud Service</td>
</tr>
<tr>
<td>8</td>
<td>Manage errors at the integration level, connection level, or specific integration instance level.</td>
<td>Managing Errors of Using Oracle Integration Cloud Service</td>
</tr>
</tbody>
</table>
Creating an Oracle Database 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 for creating a connection with the Oracle Integration Cloud Service.

1. Ensure that the target database is publicly accessible.
2. Ensure that you have write permissions to the database.
3. Ensure that you have the required permissions to run stored procedures and SQL statements.
4. Know the database URL, including the hostname or IP address and the port number.
5. Know the database system ID and service name.
6. Know the username and password for connecting to the database.
7. Know the agent group if you are connecting to an on-premises application.

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. If you modify the identifier name, do not include a blank space (for example, OSC Inbound).
• 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. Enter the host name or IP address of the database server.
3. Enter the database server port number.

4. Enter the database name.

5. Click OK.

You are now ready to configure connection security.

**Configuring Connection Security**

Configure security for your database connection by selecting the security policy and setting login credentials. A database connection is only allowed for publicly accessible databases.

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 the database.
   
   c. Reenter the password a second time.

3. Click OK.

You are now ready to configure an Agent Group.

**Configuring an Agent Group**

Configure an agent group for accessing your on-premises application.

1. Click Configure Agents.

   The Select an Agent Group page appears.

2. Click the name of the agent group.

3. Click Use.

4. Test the connection. See Testing the Connection.

**Related Topics:**

- About Agents and Integrations Between On-Premises Applications and Oracle Integration Cloud Service
- Managing Agent Groups and the On-Premises Agent
- Monitoring Agents

**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.

   ![Actions](image)

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

5. Click **Yes** to confirm deletion.
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 (Using Oracle Integration Cloud Service)
Adding the Oracle Database Adapter Connection to an Integration

When you drag the Oracle Database Adapter into an integration, the Adapter Endpoint Configuration Wizard appears. This wizard guides you through configuration of Oracle Database Adapter endpoint properties.

The following sections describe the wizard pages that guide you through configuration of the Oracle Database Adapter as a trigger and an invoke in an integration.

Topics

• Configuring Basic Information Properties
• Configuring Oracle Database Adapter Invoke Stored Procedure Properties
• Configuring Oracle Database Adapter Invoke SQL Statement Properties
• Configuring Oracle Database Adapter Trigger Polling Properties
• Reviewing Configuration Values on the Summary Page

For general information about the Oracle Database Adapter, see About the Oracle Database Adapter.

Note:

• The Oracle Database Adapter does not support the regeneration of WSDL artifacts. For more information about regeneration, see Regenerating a WSDL File for Integrations (in Using Oracle Integration Cloud Service).

• You cannot edit the existing trigger Oracle Database Adapter settings or delete or re-import the previously configured Oracle Database Adapter tables. To modify an existing integration, delete the connection, drag the Oracle Database Adapter to the trigger or invoke area of the integration, and reconfigure the Oracle Database Adapter endpoint properties.

Configuring Basic Information Properties

You can enter a name and description on the Basic Info page of each trigger and invoke 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 when you drag the Oracle Database Adapter onto the integration canvas.

• Specify a meaningful name.

• Specify the operation type in outbound connections:
  
  – Invoke a Stored Procedure opens the Invoke a Stored Procedure page when you click Next.
  
  – Run a SQL Statement opens the Run a SQL Statement page when you click Next.

• Identify the operation type. This functionality is available in inbound connections.

• Import or remove root database tables. This functionality is available in inbound connections.

**What You See on the Basic Info Page**

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| **What do you want to call your endpoint?** | Identifies the connection with a meaningful name that defines the purpose of connection. For example, CreateEmployeeInDB for a database connection that adds new employee data. The name can include English alphabetic characters, numbers, underscores, and dashes. The name cannot include:
  
  • Blank spaces (for example, My DB Connection)
  
  • Special characters (for example, #;836 or right(now4)
  
  • Multibyte characters |

| **What operation do you want to perform?** | Selects the operation performed by the connection:

  • Invoke a Stored Procedure — allows the selection of a stored procedure to run on the database.
  
  • Run a SQL Statement — allows the selection of SQL query to run on the database. |

**Configuring Oracle Database Adapter Invoke Stored Procedure Properties**

Enter the Oracle Database Adapter invoke a stored procedure properties.

**Topics**

• What You Can Do from the Invoke a Stored Procedure Page

• What You See on the Invoke a Stored Procedure Page
What You Can Do from the Invoke a Stored Procedure Page

The Invoke a Stored Procedure page appears when Invoke a Stored Procedure is selected as the operation to perform on the Basic Info page. You can specify the following values on the Invoke a Stored Procedure page.

- Select the database schema that includes the data you want to query (for example, you want to query details about an employee based on their employee ID).
- Select a stored procedure or package from the list that is displayed after you select the database schema.

Note: When importing a predefined integration package containing PLS or SQL stored procedures, the wrapper package is not recreated in the target database. To add the wrapper package, confirm JPublisher is installed on the target database and define the original stored procedure. After confirming JPublisher is installed and the stored procedure is defined, open the PL/SQL Wrapper utility and execute the add scripts command to add the scripts included in the exported inventory archives (IAR) file.

What You See on the Invoke a Stored Procedure Page

The following table describes the fields that appear on the Invoke a Stored Procedure page.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select Schema</td>
<td>Select a database schema from the list. This action refreshes the page to display fields for selecting a package or procedure to invoke.</td>
</tr>
<tr>
<td>Select Package</td>
<td>Select the database package. This action refreshes the page to display the procedures available for the package. When importing a predefined integration package containing PLS or SQL stored procedures, the wrapper package is not recreated in the target database. To add the wrapper package, confirm JPublisher is installed on the target database and define the original stored procedure. After confirming JPublisher is installed and the stored procedure is defined, open the PL/SQL Wrapper utility and execute the add scripts command to add the scripts included in the exported inventory archives (IAR) file.</td>
</tr>
<tr>
<td>Select Procedure</td>
<td>Displays the in (inbound), out (outbound), and in/out (inbound/outbound) parameters for the selected package.</td>
</tr>
<tr>
<td>Arguments</td>
<td>Display the in, out, and in/out parameters that are passed with this procedure.</td>
</tr>
</tbody>
</table>
Configuring Oracle Database Adapter Invoke SQL Statement Properties

Enter the Oracle Database Adapter SQL statement properties.

Topics

• What You Can Do from the Run a SQL Statement Page
• What You See on the Run a SQL Statement Page

Note:

• Do not use schema/database names in SQL queries. Configure the details in the connection. For example:

  Update HR.employee set HR.employee.first_name = 'Name' where
  HR.employee.employee_id='1'

  can be changed to a simple query, such as:

  Update employee set first_name = 'Name' where employee_id='1'

  where HR is used in the connection details. This restricts a user with specific privileges to a particular schema/database.

• When configuring the adapter as an invoke connection, ensure that proper spaces are provided between key words for a pure SQL statement. For example, the following statement fails during integration activation because there is no blank space between VALUES and (#).

  INSERT INTO table_name VALUES(#EMPNO, #EMPNAME)

  Add a blank space between VALUES and (#, and the statement is successfully processed.

  INSERT INTO table_name VALUES (#EMPNO, #EMPNAME)

What You Can Do from the Run a SQL Statement Page

The Run a SQL Statement page appears when Run a SQL Statement is selected as the operation to perform on the Basic Info page. You can specify the following values on the Run a SQL Statement page.

• Enter a SQL query.

• Validate the SQL query to make sure the query syntax is correct and the specified tables, fields, and values exist.

  When a SQL query is successfully validated, the Status field displays Success!

What You See on the Run a SQL Statement Page

The following table describes the fields that appear on the Run a SQL Statement page.
### Configuring Oracle Database Adapter Trigger Polling Properties

Select the root database table for the service query.

**Topics**

- What You Can Do from the Polling Page
- What You See on the Polling Page
- What You See on the Manage Tables Page
- What You See on the Relations Page
- What You See on the Polling Strategy and Options Page

### What You Can Do from the Polling Page

You can import root database tables on the Polling page.

### What You See on the Polling Page

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SQL Query</td>
<td>Identifies the SQL query.</td>
</tr>
<tr>
<td>Validate SQL Query</td>
<td>Validates the SQL query syntax.</td>
</tr>
<tr>
<td>Status</td>
<td>Displays the SQL query syntax validation status. When syntax validation is successful, the message <strong>Success!</strong> appears.</td>
</tr>
</tbody>
</table>

### Configuring Oracle Database Adapter Trigger Polling Properties

Select the root database table for the service query.

**Topics**

- What You Can Do from the Polling Page
- What You See on the Polling Page
- What You See on the Manage Tables Page
- What You See on the Relations Page
- What You See on the Polling Strategy and Options Page

### What You Can Do from the Polling Page

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<th>Element</th>
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<tbody>
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<td>Element</td>
<td>Description</td>
</tr>
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<td>SQL Query</td>
<td>Identifies the SQL query.</td>
</tr>
<tr>
<td>Validate SQL Query</td>
<td>Validates the SQL query syntax.</td>
</tr>
<tr>
<td>Status</td>
<td>Displays the SQL query syntax validation status. When syntax validation is successful, the message <strong>Success!</strong> appears.</td>
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</table>

### Configuring Oracle Database Adapter Trigger Polling Properties

Select the root database table for the service query.

**Topics**

- What You Can Do from the Polling Page
- What You See on the Polling Page
- What You See on the Manage Tables Page
- What You See on the Relations Page
- What You See on the Polling Strategy and Options Page

### What You Can Do from the Polling Page

You can import root database tables on the Polling page.

### What You See on the Polling Page

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<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SQL Query</td>
<td>Identifies the SQL query.</td>
</tr>
<tr>
<td>Validate SQL Query</td>
<td>Validates the SQL query syntax.</td>
</tr>
<tr>
<td>Status</td>
<td>Displays the SQL query syntax validation status. When syntax validation is successful, the message <strong>Success!</strong> appears.</td>
</tr>
</tbody>
</table>
What You See on the Manage Tables Page

The following table describes the key information on the Manage Tables page. The Manage Tables page appears when you select Import Tables on the Oracle Database Adapter Polling page.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schema</td>
<td>Selects the schema for the tables and views you are importing.</td>
</tr>
</tbody>
</table>
| Tables      | The name of the table to which the schema or view is applied. The list next to the Tables field allows these selections:  
  • All — selects all available tables and views.  
  • Materialized View — selects materialized views.  
  • Materialized View Log — selects materialized view logs.  
  • Synonym — selects the alias for the schema object.  
  • Table — selects tables.  
  • View — selects views. |
| Available Tables | Lists the tables that meet the selection criteria.                         |
| Selected Tables | Lists your table selection.                                              |
| Primary Keys | Appears when you select tables without a primary key defined. Selects the virtual primary key for the table. |

What You See on the Relations Page

The following table describes the key information on the Relations page. The Relations page appears when you select Edit for the Review and Manage relationships reachable from the root database table option on the Oracle Database Adapter Polling page.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| Create New  | Opens the Create Relation page with these options:  
  • Parent Table — selects the parent table for the relationship between tables.  
  • Child Table — selects the child table for the relationship between tables.  
  • Relationship — defines the relationship between the parent and child tables.  
  • Attribute Name — Applies attributes to the table relationship.  
  • Mapping — Displays the mapping for the table relationship. |
| Detach      | Opens the Relationships list in a new window.                              |
What You See on the Polling Strategy and Options Page

The following table describes the key information on the Polling Strategy and Options page. The Polling Strategy and Options page appears when you select Edit for Polling Strategy and Options on the Oracle Database Adapter Polling page.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Logical Delete Field</td>
<td>Selects a field in the root database table. To allow the selection, polling must be enabled in the Status column.</td>
</tr>
<tr>
<td>Read Value</td>
<td>Identifies the value that is used to indicate a row has been read. For example, PROCESSED. Surrounding quotes are not required.</td>
</tr>
<tr>
<td>Unread Value</td>
<td>Indicates the rows to process. Only rows with Logical Delete Field and column values that match the Unread Value are read.</td>
</tr>
<tr>
<td>Polling Frequency (Sec)</td>
<td>Specifies the polling frequency (in seconds) for new records or events.</td>
</tr>
<tr>
<td>Batch Size</td>
<td>Specifies the number of table rows to process during a single transaction.</td>
</tr>
</tbody>
</table>

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** | Displays a summary of the configuration values you defined on previous pages of the wizard.

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 XSD link to view a read-only version of the file.

To return to a previous page to update any values, click the appropriate tab in the left panel or click **Back**.
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 (Using Oracle Integration Cloud Service)
• Creating Lookups (Using Oracle Integration Cloud Service)
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*)