Oracle® Cloud
Using Oracle E-Business Suite Adapter Endpoint Configuration Wizard
Release 16.4
E70281-05

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This guide describes how to configure the Oracle E-Business Suite Adapter with the Adapter Endpoint Configuration Wizard in an integration in Oracle Integration Cloud Service.
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Preface

Using Oracle E-Business Suite Adapter Endpoint Configuration Wizard describes how to configure the Oracle E-Business Suite Adapter with the Adapter Endpoint Configuration Wizard.

Topics:

• Audience
• Related Resources
• Conventions

Audience

Using Oracle E-Business Suite Adapter Endpoint Configuration Wizard is intended for users who want to configure Oracle E-Business Suite Adapter in Oracle Integration Cloud Service.

Related Resources

For more information, see these Oracle resources:

• Oracle Cloud
  http://cloud.oracle.com
• Getting Started with Oracle Cloud
• Using Oracle Integration Cloud Service
• Using Oracle E-Business Suite Adapter
• 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>boldface</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>Convention</td>
<td>Meaning</td>
</tr>
<tr>
<td>------------</td>
<td>---------</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><strong>monospace</strong></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>
Configuring Oracle E-Business Suite Adapter Trigger Properties

Follow the information in these sections to configure the Oracle E-Business Suite Adapter in an integration with the Adapter Endpoint Configuration Wizard in Oracle Integration Cloud Service.

Topics

• Configuring Basic Information Properties
• Configuring Oracle E-Business Suite Business Event Properties
• Configuring Oracle E-Business Suite XML Gateway Message Properties
• Reviewing Configuration Values on the Summary Page

Configuring Basic Information Properties

When adding the Oracle E-Business Suite Adapter as a trigger (source) connection, in the Basic Info page you can enter a name and description, as well as select an endpoint.

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 perform the following tasks on the trigger Basic Info page:

• Specify a meaningful name for your endpoint.
• Specify a description for your endpoint.
• Select a desired interface type (either Business Event or XML Gateway Map) that you want to configure for your integration.

What You See on the Basic Info Page

The following table describes the key information on the trigger Basic Info page:
<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| **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:  
• Blank spaces (for example, My Inbound Connection)  
• Special characters (for example, #;836 or rightnow4)  
• Multibyte characters |
| **What does this endpoint do?** | Enter an optional description of the connection’s responsibilities. For example: Raise a business event. or Use XML Gateway message. |
| **What do you want to configure the endpoint for?** | Select either one of the interface types that you want to configure for your integration:  
• Business Event - allows the selection of a business event in an integration.  
• XML Gateway Map - allows the selection of an XML Gateway message map in an integration. |

**Configuring Oracle E-Business Suite Business Event Properties**

Enter the Oracle E-Business Suite trigger business event property values for your integration.

**Topics**

- What You Can Do from the Oracle E-Business Suite Adapter Business Events Page
- What You See on the Oracle E-Business Suite Adapter Business Events Page

**What You Can Do from the Oracle E-Business Suite Adapter Business Events Page**

You can select a desired business event from the selected Oracle E-Business Suite application product.

**What You See on the Oracle E-Business Suite Adapter Business Events Page**

The following table describes the key information on the Oracle E-Business Suite Adapter Business Events page:
<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| Product Family   | Select a desired Oracle E-Business Suite application product family for your integration. For example, select **Applications Technology** from the drop-down list.  
Note that the available product families for your selection are based on the Oracle E-Business Suite instance to which you are connecting. |
| Product          | Select a desired product from the selected product family. For example, **XML Gateway**.                                                   |
| Business Event   | Once you select a product, a list of business events including both Oracle seeded events and custom ones contained in the selected product is populated for your selection.  
Locate a desired business event through either of the following ways:  
  • Select a desired event name from the drop-down list. For example, select **Oracle XML Gateway trading partner modified event**.  
  • Use the **Filter by Name** field to find your desired event. For example, enter **Oracle** in this field to find the event name starting with **Oracle**.  
Note that you can define custom business events to meet your needs. If required, annotate the custom events, and then upload them to the Integration Repository.  
For information on creating custom business events, see Creating Custom Integration Interfaces of the Creating and Using Custom Integration Interfaces chapter of **Oracle E-Business Suite Integrated SOA Gateway Developer’s Guide**. For information on uploading custom interfaces to Oracle Integration Repository residing in Oracle E-Business Suite Integrated SOA Gateway, see Generating and Uploading ILDT Files and Uploading ILDT Files to Integration Repository of the **Oracle E-Business Suite Integrated SOA Gateway Implementation Guide**. |
| Internal Name    | When a business event is selected, it displays the internal name of the event, such as **oracle.app.ecx.tp.modified** for the selected **Oracle XML Gateway trading partner modified event**. |
| Description      | When a business event is selected, it displays the event description.  
**Note:** If an XML Gateway message is selected instead, it displays the description information for the selected XML Gateway message. |

Click **Next**.  
The Summary page appears with the selected business event information.
Configuring Oracle E-Business Suite XML Gateway Message Properties
Enter the Oracle E-Business Suite trigger XML gateway message properties for your integration.

Topics
• What You Can Do from the Oracle E-Business Suite Adapter XML Gateway Message Page
• What You See on the Oracle E-Business Suite Adapter XML Gateway Message Page

What You Can Do from the Oracle E-Business Suite Adapter XML Gateway Message Page
You can select a desired XML Gateway message from the selected Oracle E-Business Suite application product.

What You See on the Oracle E-Business Suite Adapter XML Gateway Message Page
The following table describes the key information on the Oracle E-Business Suite Adapter XML Gateway Message page:

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Family</td>
<td>Select a desired Oracle E-Business Suite application product family for your integration. For example, select <strong>Applications Technology</strong> from the drop-down list. Note that the available product families for your selection are based on the Oracle E-Business Suite instance to which you are connecting.</td>
</tr>
<tr>
<td>Product</td>
<td>Select a desired product from the selected product family. For example, <strong>Service Suite</strong>.</td>
</tr>
</tbody>
</table>
Once you select a product, a list of XML Gateway messages including both Oracle seeded and custom messages contained in the selected product is populated for your selection.

Locate a desired XML Gateway message through either of the following ways:

- Select a desired XML Gateway message name from the drop-down list. For example, select **Add Salesorder**.
- Use the **Filter by Name** field to find your desired XML Gateway message. For example, enter **Add** in this field to find the event name starting with **Add**.

Note that you can define custom business events to meet your needs. If required, annotate the custom events, and then upload them to the Integration Repository.

For information on creating custom XML Gateway messages, see Creating Custom Integration Interfaces of the Creating and Using Custom Integration Interfaces chapter of *Oracle E-Business Suite Integrated SOA Gateway Developer’s Guide*. For information on uploading custom interfaces to Oracle Integration Repository residing in Oracle E-Business Suite Integrated SOA Gateway, see Generating and Uploading ILDT Files and Uploading ILDT Files to Integration Repository of the *Oracle E-Business Suite Integrated SOA Gateway Implementation Guide*.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| XML Gateway Map | Once you select a product, a list of XML Gateway messages including both Oracle seeded and custom messages contained in the selected product is populated for your selection. Locate a desired XML Gateway message through either of the following ways:  
- Select a desired XML Gateway message name from the drop-down list. For example, select **Add Salesorder**.  
- Use the **Filter by Name** field to find your desired XML Gateway message. For example, enter **Add** in this field to find the event name starting with **Add**.  
Note that you can define custom business events to meet your needs. If required, annotate the custom events, and then upload them to the Integration Repository.  
For information on creating custom XML Gateway messages, see Creating Custom Integration Interfaces of the Creating and Using Custom Integration Interfaces chapter of *Oracle E-Business Suite Integrated SOA Gateway Developer’s Guide*. For information on uploading custom interfaces to Oracle Integration Repository residing in Oracle E-Business Suite Integrated SOA Gateway, see Generating and Uploading ILDT Files and Uploading ILDT Files to Integration Repository of the *Oracle E-Business Suite Integrated SOA Gateway Implementation Guide*. |
| IREP Name       | Once an XML Gateway message is selected, it displays the corresponding Integration Repository name, such as XNB:SOO for the selected XML Gateway message **Add Salesorder**. |
| Internal Name   | When a business event is selected, it displays the internal name of the event, such as oracle.app.ecx.tp.modified for the selected Oracle XML Gateway trading partner modified event. |
| Standard        | Once an XML Gateway message is selected, it displays the integration standard information, such as **OAG 7.2**. |
| Description     | When an XML Gateway message is selected, it displays the description information for the selected XML Gateway message. |

Click **Next**.

The Summary page appears with the selected business event information.

**Reviewing Trigger (Source) Endpoint 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 Oracle E-Business Suite Adapter Trigger (Source) Endpoint Configuration Summary Page
- What You See on the Oracle E-Business Suite Adapter Trigger (Source) Endpoint Configuration Summary Page

What You Can Do from the Oracle E-Business Suite Adapter Trigger (Source) Endpoint Configuration Summary Page

You can review trigger (source) endpoint 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 trigger (source) adapter. For example, if you have defined an inbound source adapter with a business event or an XML Gateway message in an integration, the integration 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 Oracle E-Business Suite Adapter Trigger (Source) Endpoint Configuration Summary Page

The following table describes the key information on the Oracle E-Business Suite Adapter Trigger (Source) Endpoint Configuration Summary page:

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Family</td>
<td>Display the selected product family for your configuration, such as <strong>Telecommunications Billing Integrator</strong>.</td>
</tr>
<tr>
<td>Product</td>
<td>Display the selected product for your configuration, such as <strong>Service Suite</strong>.</td>
</tr>
<tr>
<td>XML Gateway Map</td>
<td>Display the internal name of the selected XML Gateway message, such as <strong>XNB_OM_SALESORDER_OAG72_OUT</strong>.</td>
</tr>
<tr>
<td>Integration Pattern</td>
<td>Request only.</td>
</tr>
<tr>
<td>Instructions</td>
<td>Display a list of manual steps that you must perform for the integration with an XML Gateway message map. These tasks include activating the integration and configuring a desired trading partner in Oracle E-Business Suite. See Post Activation Manual Steps for XML Gateway Messages as a Trigger, <em>Using the Oracle E-Business Suite Adapter</em>.</td>
</tr>
</tbody>
</table>

Click **Next**.
The Summary page appears with the selected business event information.
When adding the Oracle E-Business Suite Adapter as an invoke (target) connection, you can integrate with a PL/SQL or concurrent program REST service in an integration in Oracle Integration Cloud Service.

**Topics**

- Configuring Basic Information Properties
- Configuring Oracle E-Business Suite Adapter Web Services Properties
- Configuring Oracle E-Business Suite Adapter Operations Properties
- Reviewing Configuration Values on the Summary Page

**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 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:
- Blank spaces (for example, *My Inbound Connection*)
- Special characters (for example, `#;836` or `rightnow4`)
- 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.

If you are configuring the SOAP Adapter, there is an additional property. Starting with release 16.3.3, the underlying infrastructure for the SOAP Adapter runtime facilitates the delivery of new features in 16.3.3 and releases going forward. This change in infrastructure can cause backwards incompatibility under very exceptional situations for existing integrations using the SOAP Adapter. To preserve the backward compatibility of existing integrations, the newer runtime must be selected. Existing integrations using the SOAP adapter continue to use the 16.2.5 SOAP Adapter runtime and there are no differences in behavior.

Users modifying existing integrations to uptake the new runtime must take extra measures to check whether the integrations work the same as they were prior to uptaking the new runtime. In case of differences in behavior, you can select either not to uptake the new runtime for the existing flows or make necessary adjustments to the client application calling integrations or the SOAP API that is called by the ICS flow (depending upon how the SOAP adapter is used in the ICS flow)

New integrations built using 16.3.3 or above use the updated SOAP Adapter runtime by default. You can also choose to disable that functionality in case pre–16.3.3 behavior is wanted for new integrations.
<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| Preview updated SOAP adapter runtime | You can uptake the new 16.3.3 functionality exposed by the SOAP Adapter.  
• **Yes**: Provides the following functionality. The underlying transport mechanism used is the cloud SDK-based JCA transport.  
  – Support for specifying the TLS version for a specific external SOAP API. The pre-16.3.3 SOAP Adapter runtime assumes all external SOAP APIs are protected using TLS version 1. The new capability allows support for invocation of SOAP APIs hosted on different versions: TLS version 1, TLS version 1.1, and TLS version 1.2.  
  – Support for suppressing timestamps in SOAP documents sent to external SOAP APIs protected using username password token security policy. Some external SOAP services secured using the username password token security policy cannot handle the timestamps included in the SOAP/HTTP header. In that scenario, you can use this feature to enable the suppression of the timestamp in the outgoing SOAP documents.  
  – Support for ignoring the absence of timestamps in the response SOAP document sent by the external SOAP APIs. Some external SOAP services secured using the username password token security policy do not have the ability to include timestamps in the SOAP HTTP header of the response SOAP messages to be sent back to the calling applications. In that scenario, you can use this feature to enable Oracle Integration Cloud Service to ignore the absence of the timestamp in the outgoing SOAP documents.  
  – Support for disabling the validation of the SOAP action.  
• **No**: Uses 16.2.5 functionality. The underlying transport mechanism used is the Oracle Service Bus-based HTTP transport. |

**Note:** If you import a
Configuring Oracle E-Business Suite Adapter Web Services Properties
Enter the Oracle E-Business Suite Adapter invoke web services property values for your integration.

Topics

- What You See on the Oracle E-Business Suite Adapter Web Services Page
- What You Can Do from the Oracle E-Business Suite Adapter Web Services Page

What You Can Do from the Oracle E-Business Suite Adapter Web Services Page
You can perform the following task on the Oracle E-Business Suite Adapter Web Services page.

- Select a desired API including a PL/SQL API or concurrent program from the selected Oracle E-Business Suite application product.

What You See on the Oracle E-Business Suite Adapter Web Services Page
The following table describes the key information on the Oracle E-Business Suite Adapter Web Services page:

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
</table>
| Product Family| Select a desired Oracle E-Business Suite application product family that you want to use for your integration. For example, select Order Management Suite from the drop-down list.  
Note that the available product families for your selection are based on the Oracle E-Business Suite instance you are connecting. |
<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product</td>
<td>Select a desired product from the selected product family. For example, <em>Order Management</em>.</td>
</tr>
<tr>
<td>API</td>
<td>Once you select a product, a list of PL/SQL APIs and concurrent programs including both Oracle seeded and custom ones contained in the selected product is populated for your selection. Select a desired API name, such as <em>Sales Order Services</em>.</td>
</tr>
</tbody>
</table>

**Note:** Concurrent program REST services are only available in Oracle E-Business Suite Release 12.1.3.

- If one or more of the methods contained in the selected API are deployed as REST services, after you click **Next**, the Operations page appears. If none of the methods within the selected API is deployed as a REST service, an Error message is shown instead, indicating that the associated REST service is not available. You must deploy the selected API as a REST service first before using it for your integration.
  
  For information on deploying REST services, see Deploying REST Web Services, Administering Native Integration Interfaces and Services chapter, *Oracle E-Business Suite Integrated SOA Gateway Implementation Guide*.

- You can define a custom interface to meet your needs if required, annotate the custom interface based on the annotation standards, and then upload it to the Integration Repository. You can deploy the custom interface as a REST service from Oracle E-Business Suite Integrated SOA Gateway. The REST service will then be available to use for integrations from Oracle Integration Cloud Service.
  

| Internal Name | When an interface is selected, it displays the internal name of the interface, such as **OE_INBOUND_INT** for the Sales Order Services API. |
Configuring Oracle E-Business Suite Adapter Operations Properties

Enter the Oracle E-Business Suite Adapter invoke operations property values for your integration.

Topics

• What You Can Do from the Oracle E-Business Suite Adapter Operations Page

What You Can Do from the Oracle E-Business Suite Adapter Operations Page

You can perform the following task on the Oracle E-Business Suite Adapter Operations page.

• Select a desired method name from the API you specified in the Web Services page.


The following table describes the key information on the Oracle E-Business Suite Adapter Operations page:

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>When an interface is selected, it displays the interface description information.</td>
</tr>
<tr>
<td>API</td>
<td>It displays the API name (such as OE_INBOUND_INT) you selected earlier in the Web Services page.</td>
</tr>
<tr>
<td>Methods</td>
<td>Select a desired method from the selected product family. For example, PROCESS_ORDER from the OE_INBOUND_INT API.</td>
</tr>
</tbody>
</table>
Service Status

When a method is selected, it displays the corresponding REST service status for the selected method.

- **Ready to Use**
  
  This indicates that the selected method is deployed as a REST service and it is ready to use for your integration.

- **Not Deployed**
  
  If the selected method is not deployed as a REST service, then "Not Deployed" is shown as the service status instead. Additionally a warning message appears, indicating that you must deploy the method as a REST service first before using it for your integration.

To deploy the selected method as a REST service, you need to log in to Oracle E-Business Suite as a user who has the Integration Administrator role. Select the Integrated SOA Gateway responsibility and the Integration Repository link from the navigation menu. Search and locate the selected interface from the Integration Repository, and then deploy it as a REST service. Only when the REST service is available in Oracle E-Business Suite, you can then proceed to the process of adding Oracle E-Business Suite as a target connection.

For information on deploying REST services, see Deploying REST Web Services, Administering Native Integration Interfaces and Services chapter, Oracle E-Business Suite Integrated SOA Gateway Implementation Guide.

| Description | When a method is selected, it displays the selected method description information. |

**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 trigger (source) or invoke (target) 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 trigger (source) or invoke (target) 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.

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summary</strong></td>
<td>Displays a summary of the trigger (source) or invoke (target) configuration values you defined on previous pages of the wizard.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>To return to a previous page to update any values, click the appropriate tab in the left panel or click <strong>Back</strong>.</td>
</tr>
</tbody>
</table>