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Preface

This guide describes how to configure the Evernote Adapter as a connection in an integration in Oracle Integration.

**Note:**

The information in this guide applies to all of your Oracle Integration instances. It doesn’t matter which edition you’re using, what features you have, or who manages your cloud environment. You’ll find what you need here, including notes about any differences between the various flavors of Oracle Integration when necessary.

**Topics**

- Audience
- Documentation Accessibility
- Related Resources
- Conventions

**Audience**

This guide is intended for developers who want to use the Evernote Adapter in integrations in Oracle Integration.

**Documentation Accessibility**


Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit [http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info](http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info) or visit [http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs](http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs) if you are hearing impaired.

**Related Resources**

See these Oracle resources:
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>italic</td>
<td>Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.</td>
</tr>
<tr>
<td>monospace</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>
Understand the Evernote Adapter

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

Topics:
- Evernote Adapter Capabilities
- What Application Version Is Supported?
- About Evernote Adapter Use Cases
- Workflow to Create and Add an Evernote Adapter Connection to an Integration

Evernote Adapter Capabilities

The Evernote Adapter enables you to create an integration with an Evernote application. Evernote is a cross-platform application designed for note taking, organizing, and archiving. The Evernote application enables you to create a note that consists of formatted text, a full web page, an excerpt of a web page, a photograph, a voice mail, or a note. Notes can have file attachments. You can add notebooks to a stack and sort notes into a notebook. You can also tag, annotate, edit, provide comments, search, and export notes as part of a notebook.

The Evernote Adapter is one of many predefined adapters included with Oracle Integration. You can configure the Evernote Adapter as a connection in an integration in Oracle Integration.

What Application Version Is Supported?

For information about which application version is supported by this adapter, see the Oracle Integration Adapters Certification Matrix under section Oracle Integration Adapters Certification at the top of the page:

Oracle Integration Adapters Certification Matrix

About Evernote Adapter Use Cases

The Evernote Adapter can be used in a variety of scenarios. For example, you can collect rich information about your customers, including notes, contact details, and other information into secure notes that only authorized team members can view in one place through Evernote. To collect contact information, use the Oracle Service Cloud (RightNow) Adapter.
Workflow to Create and Add an Evernote Adapter Connection to an Integration

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

This table lists the workflow steps for both adapter tasks and overall integration tasks, and provides links to instructions for each step.

<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>Create an Evernote 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>Create Integrations and Add the Evernote 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>Map Data of Using Integrations in Oracle Integration</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>Manage Lookups of Using Integrations in Oracle Integration</td>
</tr>
<tr>
<td>5</td>
<td>Activate the integration.</td>
<td>Manage Integrations of Using Integrations in Oracle Integration</td>
</tr>
<tr>
<td>6</td>
<td>Monitor the integration on the dashboard.</td>
<td>Monitor Integrations of Using Integrations in Oracle Integration</td>
</tr>
<tr>
<td>7</td>
<td>Track payload fields in messages during runtime.</td>
<td>Assign Business Identifiers for Tracking Fields in Messages and Manage Business Identifiers for Tracking Fields in Messages of Using Integrations in Oracle Integration</td>
</tr>
<tr>
<td>8</td>
<td>Manage errors at the integration level, connection level, or specific integration instance level.</td>
<td>Manage Errors of Using Integrations in Oracle Integration</td>
</tr>
</tbody>
</table>
Create an Evernote Adapter Connection

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

Topics:
• Prerequisites for Creating a Connection
• Create a Connection
• Upload an SSL Certificate

Prerequisites for Creating a Connection

To use the Evernote Adapter, you must first have access to the Evernote APIs for your integration. To access these APIs, you must create an Evernote Application Management account.

To create an Evernote Application Management account:
2. Click GET AN API KEY.
3. Enter details in the following fields:
   • Evernote Username
   • Developer Name
   • Developer Email
   • Organization
   • App Name
   • Describe app
   Evernote developer support then sends an email to the developer email address you specified with the following details:
   • Consumer key
   • Consumer secret
   • Application name
   At this point, your new API key is active only in the Evernote sandbox environment, https://sandbox.evernote.com, but not in the Evernote production environment.
5. Activate the API key in the Evernote production environment:
   a. Go to https://dev.evernote.com/support.
b. Click **Activate an API Key**.

c. Complete the form.

6. Wait for an activation email from Evernote.

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**Note:**

By default, Oracle Integration includes the trusted Evernote root certificate. No additional certificate actions are required on your part. However, if the root certificate is deleted or changed in Oracle Integration, you can get the root certificate from [https://evernote.com](https://evernote.com). Rename the file extension to `.cer`. To upload the certificate, see [Upload an SSL Certificate](#).

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### Create 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 navigation pane, click **Integrations**, then click **Connections**.

2. Click **Create**.

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**Note:**

You can also create a connection in the integration canvas of:

- An orchestrated integration (See Define Inbound Triggers and Outbound Invokes.)
- A basic routing integration (See Add a Trigger (Source) Connection.)

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The Create Connection — Select Adapter dialog is displayed.

3. 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 Create New Connection dialog is displayed.

4. 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, `Sales Opportunity`).

   - 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 Service Cloud (RightNow) Adapter as only an invoke, but drag the adapter to the trigger section).
• Enter an optional description of the connection.

5. Click Create.

Your connection is created and you are now ready to configure connection details, such as email contact, connection properties, security policies, connection login credentials, and (for certain connections) agent group.

Add 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.

Configure Connection Security

Configure security for your Evernote connection by selecting the security policy and specifying the client ID and client secret. The security policy grants you authorization access to the resources of the Evernote application. When your Oracle Evernote connection requests access to the resources stored on the resource server, your connection is authenticated by sending the client ID and the client secret to the authorization server.

1. Click Configure Credentials.
2. In the Security Policy field, note that the Evernote OAuth Authorization Code Credentials security policy is displayed by default, and cannot be deselected.
3. In the Client ID field, enter the client ID you received in the activation email from Evernote after completing the steps in Prerequisites for Creating a Connection.
4. In the **Client Secret** field, enter the client secret you received in the activation email from Evernote after completing the steps in **Prerequisites for Creating a Connection**.

5. Click **Provide Consent** to allow consent.

6. Click **OK**.

   You are now ready to test your connection.

**Test the Connection**

Test your connection to ensure that it is successfully configured.

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

2. If your adapter connection uses a WSDL, you are prompted to select the type of connection testing to perform:
   - **Validate and Test**: Performs a full validation of the WSDL, including processing of the imported schemas and WSDLs. Complete validation can take several minutes depending on the number of imported schemas and WSDLs. No requests are sent to the operations exposed in the WSDL.
   - **Test**: Connects to the WSDL URL and performs a syntax check on the WSDL. No requests are sent to the operations exposed in the WSDL.

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

   

   Connection *connection_name* was tested successfully.

3. If your connection was unsuccessful, an error message is displayed with details. Verify that the configuration details you entered are correct.

4. When complete, click **Save**, then click **Close**.

**Upload 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, an exception is thrown. In that case, you must upload the appropriate certificate. A certificate enables Oracle Integration to connect with external services. If the external endpoint requires a specific certificate, request the certificate and then upload it into Oracle Integration.

To upload an SSL certificate:

1. In the navigation pane, click **Integrations**, then click the `< arrow next to Designer**.

2. Click **Settings > Certificates**.

   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. 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.

3. Click **Upload** at the top of the page.

4. In the Upload Certificate dialog box, select the certificate type. Each certificate
type enables Oracle Integration to connect with external services.
   - **Trust Certificate**: Use this option to upload a trust certificate.
     a. Enter a unique alias for the certificate.
     b. Click **Browse**, then select the trust file (for example, *.cer* or *.crt*) to
        upload.
   - **Message Protection Certificate**: Use this option to upload a keystore
certificate with SAML token support. Create, read, update, and delete (CRUD)
operations are supported on this type of certificate.
     a. Enter a unique alias for the certificate.
     b. Click **Browse**, then select the certificate file (*.cer* or *.crt*) to upload.
   - **Identity Certificate**: Use this option to upload a certificate for two-way SSL
communication.
     a. Click **Browse**, then select the keystore file (*.jks*) to upload.
     b. Enter the password of the keystore being imported.
     c. Enter the comma-separated list of aliases from the keystore being
        imported.
     d. Enter the comma-separated list of passwords corresponding to key
        aliases.
     e. If you want to display the passwords in clear text, select **Show Key
        Password(s)**. This enables you to ensure that you are correctly entering a
        list of keystore passwords.

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.
Add the Evernote Adapter Connection to an Integration

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

These topics describe the wizard pages that guide you through configuration of the Evernote Adapter as an invoke in an integration. The Evernote Adapter cannot be used as a trigger in an integration.

Topics:
- Basic Info Page
- Invoke Operation Selection Page
- Summary Page

Basic Info Page

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>What do you want to call your endpoint?</td>
<td>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:</td>
</tr>
<tr>
<td></td>
<td>• Blank spaces (for example, My Inbound Connection)</td>
</tr>
<tr>
<td></td>
<td>• Special characters (for example, #;83% or righ(t)now4)</td>
</tr>
<tr>
<td></td>
<td>• Multibyte characters</td>
</tr>
<tr>
<td>What does this endpoint do?</td>
<td>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.</td>
</tr>
</tbody>
</table>

Invoke Operation Selection Page

Select the Evernote API operation to perform.
Select Operation

Select the Evernote API operation to perform. The operations that are displayed are based on the API permission access level that you selected on the Evernote Developers site as, described in Prerequisites for Creating a Connection.

Summary Page

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

<table>
<thead>
<tr>
<th>Element</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary</td>
<td>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. Click Cancel to cancel your configuration details.</td>
</tr>
</tbody>
</table>
Troubleshoot the Evernote Adapter

Review the following topic to learn about troubleshooting issues with the Evernote Adapter.

Topics:

• Activate the API Key in a Production Environment

Additional integration troubleshooting information is provided. See Troubleshoot Oracle Integration in *Using Integrations in Oracle Integration*.

Activate the API Key in a Production Environment

Evernote has two environments: sandbox and production. Only the production environment is currently supported.

When an API key is requested from Evernote, the key provided by Evernote is initially active only in the sandbox environment. Therefore, when you try to create a connection instance using this key, the following error message is displayed:

`Missing required oauth parameter "oauth_token"`

To resolve this issue, you must follow the steps described at [https://dev.evernote.com/support/glossary.php#k](https://dev.evernote.com/support/glossary.php#k) to activate your key in a production environment. Once the API key is active in a production environment, Evernote sends you an email confirming activation. After receiving this email, connection instances can be tested and used.