

# Oracle® Cloud

## Using the Evernote Adapter with Oracle Integration Generation 2



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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# Preface

This guide describes how to configure this adapter as a connection in an integration in Oracle Integration.

**Note:**

The use of this adapter may differ depending on the features you have, or whether your instance was provisioned using Standard or Enterprise edition. These differences are noted throughout this guide.

**Topics:**

- [Audience](#)
- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Related Resources](#)
- [Conventions](#)

## Audience

This guide is intended for developers who want to use this adapter in integrations in Oracle Integration.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Related Resources

See these Oracle resources:

- Oracle Cloud  
<http://cloud.oracle.com>
- *Using Integrations in Oracle Integration Generation 2*
- *Using the Oracle Mapper with Oracle Integration Generation 2*

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

# 1

## 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](#)



### Note:

There are overall service limits for Oracle Integration. A service limit is the quota or allowance set on a resource. See [Service Limits](#).

## Evernote Adapter Capabilities

The Evernote Adapter enables you to create an integration with an Evernote application.



### Caution:

Starting with the November 2020 release of Oracle Integration, you can no longer create new Evernote Adapter connections. Existing Evernote Adapter connections continue to work.

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 Connectivity Certification Matrix.

See [Connectivity 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.

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.	<a href="#">Create an Evernote Adapter Connection</a>
2	Create the integration. When you do this, you add trigger and invoke connections to the integration.	Create Integrations and <a href="#">Add the Evernote Adapter Connection to an Integration</a>
3	Map data between the trigger connection data structure and the invoke connection data structure.	Map Data of <i>Using Integrations in Oracle Integration Generation 2</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).	Manage Lookups of <i>Using Integrations in Oracle Integration Generation 2</i>
5	Activate the integration.	Manage Integrations of <i>Using Integrations in Oracle Integration Generation 2</i>
6	Monitor the integration on the dashboard.	Monitor Integrations of <i>Using Integrations in Oracle Integration Generation 2</i>

<b>Step</b>	<b>Description</b>	<b>More Information</b>
7	Track payload fields in messages during runtime.	Assign Business Identifiers for Tracking Fields in Messages and Manage Business Identifiers for Tracking Fields in Messages of <i>Using Integrations in Oracle Integration Generation 2</i>
8	Manage errors at the integration level, connection level, or specific integration instance level.	Manage Errors of <i>Using Integrations in Oracle Integration Generation 2</i>

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# 2

## 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.

### **Caution:**

Starting with the November 2020 release of Oracle Integration, you can no longer create new Evernote Adapter connections. Existing Evernote Adapter connections continue to work.

#### 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:

1. Go to the Evernote Developer page at <https://dev.evernote.com/doc>.
2. Click **GET AN API KEY**.
3. Enter details in the following fields:
  - **Evernote Username**
  - **Developer Name**
  - **Developer Email**
  - **Organization**
  - **App Name**
  - **Describe app**
4. Under **API Permissions**, select **Basic Access**. **Full Access** requires permission from Evernote.

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.

 **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>. Rename the file extension to `.cer`. To upload the certificate, see [Upload an SSL Certificate](#).

## Create a Connection

Before you can build an integration, you have to create the connections to the applications with which you want to share data.

To create a connection in Oracle Integration:

1. In the left navigation pane, click **Home > Integrations > Connections**.
2. Click **Create**.

 **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.)

3. In the Create Connection — Select Adapter dialog, select the adapter to use for this connection. To find the adapter, scroll through the list, or enter a partial or full name in the **Search** field and click



**Search.**

4. In the Create Connection dialog, enter the information that describes this connection.
  - a. 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, don't include blank spaces (for example, SALES OPPORTUNITY).

- b. Enter optional keywords (tags). You can search on the connection keywords on the Connections page.
  - c. Select the role (direction) in which to use this connection (trigger, invoke, or both). Only the roles supported by the 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, you'll get an error when you try to drag the adapter into the section you didn't select. For example, let's say you configure a connection for the Oracle Service Cloud (RightNow) Adapter as only an **invoke**. Dragging the adapter to a **trigger** section in the integration produces an error.
  - d. Enter an optional description of the connection.
5. Click **Create**.

Your connection is created. You're now ready to configure the connection details, such as connection properties, security policies, connection login credentials, and (for certain connections) agent group.

## 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. Go to the **Security** section.
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.

## Test the Connection

Test your connection to ensure that it's configured successfully.


1. In the page title bar, click **Test**. What happens next depends on whether your connection uses a Web Services Description Language (WSDL) file.

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If Your Connection...	Then...
Doesn't use a WSDL	The test starts automatically and validates the inputs you provided for the connection.

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If Your Connection...	Then...
Uses a WSDL	<p>A dialog prompts you to select the type of connection testing to perform:</p> <ul style="list-style-type: none"> <li>• <b>Validate and Test:</b> 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.</li> <li>• <b>Test:</b> Connects to the WSDL URL and performs a syntax check on the WSDL. No requests are sent to the operations exposed in the WSDL.</li> </ul>

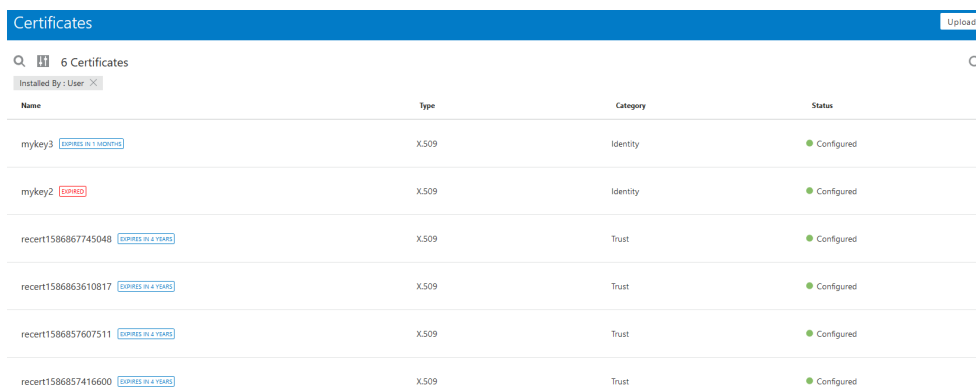
2. Wait for a message about the results of the connection test.
  - If the test was successful, then the connection is configured properly.
  - If the test failed, then edit the configuration details you entered. Check for typos, verify URLs and credentials, and download the diagnostic logs for additional details. Continue to test until the connection is successful.
3. When complete, click **Save**, then click 

## 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 left navigation pane, click **Home > Settings > Certificates**. All certificates currently uploaded to the trust store are displayed in the Certificates dialog. The  link enables you to filter by name, certificate expiration date, status, type, category, and installation method (user-installed or system-installed). Certificates installed by the system cannot be deleted.



Name	Type	Category	Status
mykey3 <small>EXPIRES IN 1 MONTH</small>	X.509	Identity	Configured
mykey2 <small>EXPIRED</small>	X.509	Identity	Configured
recert1596867745048 <small>EXPIRES IN 1 YEAR</small>	X.509	Trust	Configured
recert1596863610817 <small>EXPIRES IN 1 YEAR</small>	X.509	Trust	Configured
recert1596857607511 <small>EXPIRES IN 1 YEAR</small>	X.509	Trust	Configured
recert1596857416600 <small>EXPIRES IN 1 YEAR</small>	X.509	Trust	Configured

2. Click **Upload** at the top of the page.  
The Upload Certificate dialog box is displayed.
3. Enter an alias name and optional description.
4. In the **Type** field, select the certificate type. Each certificate type enables Oracle Integration to connect with external services.
  - **X.509 (SSL transport)**
  - **SAML (Authentication & Authorization)**
  - **PGP (Encryption & Decryption)**

#### X.509 (SSL transport)

1. Select a certificate category.
  - a. **Trust:** Use this option to upload a trust certificate.
    - i. Click **Browse**, then select the trust file (for example, `.cer` or `.crt`) to upload.
  - b. **Identity:** Use this option to upload a certificate for two-way SSL communication.
    - i. Click **Browse**, then select the keystore file (`.jks`) to upload.
    - ii. Enter the comma-separated list of passwords corresponding to key aliases.

 **Note:**

When an identity certificate file (JKS) contains more than one private key, all the private keys must have the same password. If the private keys are protected with different passwords, the private keys cannot be extracted from the keystore.

- iii. Enter the password of the keystore being imported.
- c. Click **Upload**.

#### SAML (Authentication & Authorization)

1. Note that **Message Protection** is automatically selected as the only available certificate category and cannot be deselected. Use this option to upload a keystore certificate with SAML token support. Create, read, update, and delete (CRUD) operations are supported with this type of certificate.
2. Click **Browse**, then select the certificate file (`.cer` or `.crt`) to upload.
3. Click **Upload**.

#### PGP (Encryption & Decryption)

1. Select a certificate category. Pretty Good Privacy (PGP) provides cryptographic privacy and authentication for communication. PGP is used for signing, encrypting, and decrypting files. You can select the private key to use for encryption or decryption when configuring the stage file action.
  - a. **Private:** Uses a private key of the target location to decrypt the file.
    - i. Click **Browse**, then select the PGP file to upload.
    - ii. Enter the PGP private key password.

- b. Public:** Uses a public key of the target location to encrypt the file.
  - i.** Click **Browse**, then select the PGP file to upload.
  - ii.** In the **ASCII-Armor Encryption Format** field, select **Yes** or **No**. **Yes** shows the format of the encrypted message in ASCII armor. ASCII armor is a binary-to-textual encoding converter. ASCII armor formats encrypted messaging in ASCII. This enables messages to be sent in a standard messaging format. This selection impacts the visibility of message content. **No** causes the message to be sent in binary format.
  - iii.** From the **Cipher Algorithm** list, select the algorithm to use. Symmetric-key algorithms for cryptography use the same cryptographic keys for both encryption of plain text and decryption of cipher text.
- c.** Click **Upload**.

# 3

## 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.

Element	Description
<b>What do you want to call your endpoint?</b>	Provide a meaningful name so that others can understand the responsibilities of this connection. You can include English alphabetic characters, numbers, underscores, and hyphens in the name. You can't include the following characters: <ul style="list-style-type: none"><li>• No blank spaces (for example, My Inbound Connection)</li><li>• No special characters (for example, #;83&amp; or righ(t)now4) except underscores and hyphens</li><li>• No multibyte characters</li></ul>
<b>What does this endpoint do?</b>	Enter an optional description of the connection's responsibilities. For example:  <code>This connection receives an inbound request to synchronize account information with the cloud application.</code>

## Invoke Operation Selection Page

Select the Evernote API operation to perform.

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Element	Description
<b>Select Operation</b>	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 <a href="#">Prerequisites for Creating a Connection</a> .

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## Summary Page

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

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Element	Description
<b>Summary</b>	<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 XSD 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 <b>Back</b>.</p> <p>To cancel your configuration details, click <b>Cancel</b>.</p>

---



# 4

## 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 Generation 2* and the [Oracle Integration Troubleshooting](#) page in the Oracle Help Center.

### 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> 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.