

Oracle® Cloud

Using the Asana Adapter with Oracle Integration 3



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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 <https://www.oracle.com/corporate/accessibility/>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <https://support.oracle.com/portal/> or visit [Oracle Accessibility Learning and Support](#) if you are hearing impaired.

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 at <http://cloud.oracle.com>
- *Using Integrations in Oracle Integration 3*
- *Using the Oracle Mapper with Oracle Integration 3*
- Oracle Integration documentation on the Oracle Help Center.

Conventions

The following text conventions are used in this document:

| Convention | Meaning |
|-----------------|--|
| boldface | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary. |
| <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 Asana Adapter

Review the following topics to learn about the Asana 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:

- [Asana Adapter Capabilities](#)
- [Asana Adapter Restrictions](#)
- [What Application Version Is Supported?](#)
- [Workflow to Create and Add an Asana Adapter Connection to an Integration](#)

Asana Adapter Capabilities

The Asana Adapter enables you to create an integration with an Asana application configured as an invoke connection in Oracle Integration.

The Asana Adapter provides the following capabilities:

- Invoke (target) connection support for performing actions such as create, update, query, and delete on the following objects:
 - Attachments
 - Goals
 - Projects
 - Portfolios
 - Sections
 - Stories
 - Tags
 - Tasks
 - Teams
 - Users
 - Workspaces
 - User Task Lists
 - Status Updates
 - Memberships
 - Portfolio Membership
 - Team Memberships
 - Workspace Membership
 - Jobs

- Typeahead
- Goal Relationships
- Project Briefs
- Project Templates
- Time Periods
- Time Tracking Entries
- Authentication support: Secure an integration with Asana through:
 - OAuth 2.0 for secure authorization
 - Personal Access Token (PAT) for simplified access
- Pagination support

The Asana Adapter is one of many predefined adapters included with Oracle Integration, delivering secure, efficient outbound operations. See the Adapters page in the Oracle Help Center.

Asana Adapter Restrictions

Note the following Asana Adapter restrictions.

API-based integrations only: Asana does not currently support inbound (trigger) events or webhooks through the Asana Adapter in Oracle Integration. All integrations must use outbound (invoke) operations.



Note:

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

What Application Version Is Supported?

For information about which application version is supported by this adapter, see the [Connectivity Certification Matrix](#).

Workflow to Create and Add an Asana 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 | Access Oracle Integration. | Go to the login page. |

| Step | Description | More Information |
|------|---|--|
| 2 | 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. | Create an Asana Adapter Connection |
| 3 | Create the integration. When you do this, you add trigger (source) and invoke (target) connections to the integration. | Understand Integration Creation and Best Practices in <i>Using Integrations in Oracle Integration 3</i> and Add the Asana Adapter Connection to an Integration |
| 4 | Map data between the trigger connection data structure and the invoke connection data structure. | Map Data in <i>Using Integrations in Oracle Integration 3</i> |
| 5 | (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 in <i>Using Integrations in Oracle Integration 3</i> |
| 6 | Activate the integration. | Activate an Integration in <i>Using Integrations in Oracle Integration 3</i> |
| 7 | Monitor the integration on the dashboard. | Monitor Integrations During Runtime in <i>Using Integrations in Oracle Integration 3</i> |
| 8 | Track payload fields in messages during runtime. | Assign Business Identifiers for Tracking Fields in Messages and Track Integration Instances in <i>Using Integrations in Oracle Integration 3</i> |
| 9 | Manage errors at the integration level, connection level, or specific integration instance level. | Manage Errors in <i>Using Integrations in Oracle Integration 3</i> |

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Create an Asana 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](#)

Prerequisites for Creating a Connection

You must satisfy the following prerequisites to create a connection with the Asana Adapter:

- **Asana subscription:** To use the Asana Adapter, you must have an active Asana subscription and account access. The following details are required to establish a connection:
 - Obtain a personal access token from Asana. This is needed for authentication. See [Personal access token](#).
 - Obtain a client ID and client secret from Asana. See [OAuth](#).



Note:

Keep your access token secure because it grants access to your Asana data.

You'll need to enter these values on the [Connections](#) page when you configure security for your Asana Adapter connection in Oracle Integration. See [Create a Connection](#).

Create a Connection

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



Note:

You can also create a connection in the integration canvas. See [why working with projects is preferred](#).

To create a connection in Oracle Integration:

1. Decide where to start:
 - Work in a project (see [why working with projects is preferred](#)).
 - a. In the navigation pane, click **Projects**.

- b. Select the project name.
 - c. Click **Integrations** .
 - d. In the **Connections** section, click **Add** if no connections currently exist or **+** if connections already exist. The Create connection panel opens.
- Work outside a project.
 - a. In the navigation pane, click **Design**, then **Connections**.
 - b. Click **Create**. The Create connection panel opens.
2. 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.
 3. Enter the information that describes this connection.

| Element | Description |
|--------------------|--|
| Name | Enter a meaningful name to help others find your connection when they begin to create their own integrations. |
| Identifier | Automatically displays the name in capital letters that you entered in the Name field. If you modify the identifier name, don't include blank spaces (for example, SALES OPPORTUNITY). |
| Role | <p>Select the role (direction) in which to use this connection.</p> <p>Note: <i>Only</i> the roles supported by the adapter you selected are displayed for selection. Some adapters support all role combinations (trigger, invoke, or trigger and invoke). Other adapters support fewer role combinations.</p> <p>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.</p> <p>For example, assume 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.</p> |
| Keywords | Enter optional keywords (tags). You can search on the connection keywords on the Connections page. |
| Description | Enter an optional description of the connection. |

| Element | Description |
|----------------------------------|--|
| Share with other projects | <p>Note: This field only appears if you are creating a connection in a project.</p> <p>Select to make this connection publicly available in other projects. Connection sharing eliminates the need to create and maintain separate connections in different projects.</p> <p>When you configure an adapter connection in a different project, the Use a shared connection field is displayed at the top of the Connections page. If the connection you are configuring matches the same type and role as the publicly available connection, you can select that connection to reference (inherit) its resources.</p> <p>See Add and Share a Connection Across a Project.</p> |

4. Click **Create**.
Your connection is created. You're now ready to configure the connection properties, security policies, and (for some connections) access type.
5. Follow the steps to configure a connection.
The connection property and connection security values are specific to each adapter. Your connection may also require configuration with an access type such as a private endpoint or an agent group.
6. Test the connection.

Configure Connection Security

Configure security for your Asana Adapter connection.

1. Go to the **Security** section.
2. From the **Security Policy** list, select the security policy to use:
 - **Personal Access Token Authentication**
 - **Authorization Code Credentials**
3. If you select **Personal Access Token Authentication**:
 - In the **Personal access token** field, enter your Asana personal access token. This token is required for authenticating API requests to Asana. See [Prerequisites for Creating a Connection](#).
4. If you select **Authorization Code Credentials**:
 - a. In the **OAuth Client ID** field, enter the client ID obtained when registering your application with Asana.
 - b. In the **OAuth Client Secret** field, enter the client secret associated with your application.
 - c. Click **Provide Consent**. You are redirected to the Asana login page.
 - d. Log in to your Asana account with your credentials. Once logged in, you see a message indicating that access has been allowed. You can then return to the Connections page to proceed with testing and saving the configuration.

**Note:**

Personal access tokens and OAuth 2.0 credentials should be kept secure because they provide access to your Asana account.

Configure the Endpoint Access Type

Configure access to your endpoint. Depending on the capabilities of the adapter you are configuring, options may appear to configure access to the public internet, to a private endpoint, or to an on-premises service hosted behind a fire wall.

Select the Endpoint Access Type

1. Go to the **Access type** section.
2. Select the option for accessing your endpoint.

| Option | This Option Appears If Your Adapter Supports ... |
|---------------------------|---|
| Public gateway | Connections to endpoints using the public internet. |
| Connectivity agent | <p>Connections to on-premises endpoints through the connectivity agent.</p> <ol style="list-style-type: none"> a. Click Associate agent group. The Associate agent group panel appears. b. Select the agent group, and click Use. <p>To configure an agent group, you must download and install the on-premises connectivity agent. See Download and Run the Connectivity Agent Installer and About Creating Hybrid Integrations Using Oracle Integration in <i>Using Integrations in Oracle Integration 3</i>.</p> |

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 adapter connection uses a Web Services Description Language (WSDL) file. Only some adapter connections use WSDLs.

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

| If Your Connection... | Then... |
|-----------------------|---|
| Uses a WSDL | <p data-bbox="678 212 1446 239">A dialog prompts you to select the type of connection testing to perform:</p> <ul data-bbox="678 247 1446 478" style="list-style-type: none"><li data-bbox="678 247 1446 390">• 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.<li data-bbox="678 396 1446 478">• 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. |

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 and verify URLs and credentials. Continue to test until the connection is successful.
3. When complete, click **Save**.

3

Add the Asana Adapter Connection to an Integration

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

The following sections describe the wizard pages that guide you through configuration of the Asana Adapter as an invoke in an integration.

Topics:

- [Invoke Basic Info Page](#)
- [Summary Page](#)

Invoke Basic Info Page

Specify a name, description, object, and action on the Basic Info page of each invoke connection in your integration.

| Element | Description |
|--|---|
| What do you want to call your endpoint? | Provide a meaningful name so that others can understand the connection. For example, if you are creating a database connection for adding new employee data, you may want to name it <code>CreateEmployeeInDB</code> . You can include English alphabetic characters, numbers, underscores, and dashes in the name. You cannot include the following: <ul style="list-style-type: none">• Blank spaces (for example, <code>My DB Connection</code>)• Special characters (for example, <code>#;83& or righ(t)now4</code>) except underscores and hyphens• Multibyte characters |
| What does this endpoint do? | Enter an optional description of the connection's responsibilities. |
| Select Object | Select the specific Asana object with which you want to work, such as Attachments , Goals , or others. This selection determines the context for the actions you can perform in your integration. |
| Action | Select the action you want to perform on the chosen Asana object, such as Get an Attachment . The available actions depend on the selected object and the permissions granted to your integration. |

Summary Page

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

| Element | Description |
|----------------|---|
| Summary | <p>Displays a summary of the configuration values you defined on previous pages of the wizard.</p> <p>The information that is displayed can vary by adapter. For some adapters, the selected business objects and operation name are displayed. For adapters for which a generated XSD file is provided, click the 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 Go back.</p> <p>To cancel your configuration details, click Cancel.</p> |