

Oracle® Cloud

Sync JIRA Issues with GitHub



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Preface

This document describes how to install, configure, and run this recipe in Oracle Integration 3.

Topics:

- [Documentation Accessibility](#)
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Related Resources

For more information, see these Oracle resources:

- Oracle Integration documentation on the Oracle Help Center.
- Oracle Cloud at <http://cloud.oracle.com>.

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.

Convention	Meaning
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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About This Recipe

Use this recipe to synchronize issues created in Jira with GitHub.



Note:

This recipe is available as **Jira — GitHub | Sync Issues** in Oracle Integration. Oracle provides this recipe as a sample only. The recipe is meant only for guidance, and is not warranted to be error-free. No support is provided for this recipe.

Overview

This recipe demonstrates how to use Oracle Integration to create or update corresponding issues in GitHub for issues created or updated in Jira.

To use the recipe, you must install the recipe and configure the connections and other resources within it. When an issue is created or updated in Jira, the integration flow gets triggered and it creates or updates a corresponding issue in GitHub. Basic data such as Self, Id, Fields and so on are mapped between JIRA and GitHub platforms.

System and Access Requirements

- Oracle Integration, Version 24.10 or higher
- Jira
- An account on Jira with the Administrator role
- GitHub
- An account on GitHub with the Administrator role

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Before You Install the Recipe

You must perform certain configuration tasks on your Jira instance and GitHub instance in order to connect to these external systems using Oracle Integration, and successfully synchronize issues created or updated in Jira with GitHub.

Configure Jira

To configure Jira, see [Prerequisites for Creating a Connection](#).

Configure GitHub

To configure GitHub, see [Prerequisites for Creating a Connection](#).


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Install and Configure the Recipe

On your Oracle Integration instance, install the recipe to deploy and configure the integration and associated resources.

1. On the Oracle Integration Home page, in the **Get started** section, click **Browse store**.
2. Find the recipe you want to install, then click **Get**.

A message confirms that the recipe was successfully installed, and the recipe card shows **In use**.

3. Click **Configure**  on the recipe to configure its resources.

The project workspace opens, displaying all the resources of the recipe. Configure the following resources before you activate and run the recipe.


Configure the Oracle Jira Connection

1. In the Connections section, click the connection name.
2. In the Properties section, enter the Jira host name. For example: `https://id.atlassian.net/`.
3. In the Security section, enter the following details:

Field	Information to Enter
Security Policy	Leave Authorization Code Credentials selected.
Client Id	Enter the client id. See Configure Jira .
Client Secret	Enter the client secret.

4. Click **Save**. If prompted, click **Save** again.
5. Click **Test** to ensure that your connection is successfully configured. In the resulting dialog, click **Test** again.

A message confirms if your test is successful.

6. To return to the project workspace, click **Go back** .


Configure the Oracle GitHub Connection

1. In the Connections section, click the connection name.
2. In the Security section, enter the following details:

Field	Information to Enter
Security Policy	Leave Authorization Code Credentials selected.
Client Id	Enter the client id. See Configure GitHub .
Client Secret	Enter the client secret.

3. Click **Save**. If prompted, click **Save** again.
4. Click **Test** to ensure that your connection is successfully configured. In the resulting dialog, click **Test** again.

A message confirms if your test is successful.

5. To return to the project workspace, click **Go back** .

Update Integration Properties

You can pass specific values while running the **Oracle Jira GitHub Create Issue Sync** integration by updating the integration property values.

1. In the Integrations section, click **Actions** . . . on the integration flow, then select **Update property values**.
2. In the Update property values panel, update the integration properties with appropriate values.
 - a. **Owner_name**: This integration property holds the name of the owner.
 - b. **Retry_count**: This integration property holds the value for the number of retries when an invoke fails. The default value is 3.
 - c. **emailTo**: This integration property holds the email id to which error notifications are sent.
3. Click **Submit**.

A message confirms that the integration properties have been updated successfully.

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Activate and Run the Recipe

After you've configured the connections and other resources, you can activate and run the recipe.

1. In the project workspace, click **Activate**. In the Activate project panel, with the default project deployment selected, choose an appropriate tracing option, then click **Activate**.

A message confirms that the integration has been activated. Refresh the page to view the updated status of the integration.

2. Get the integration's endpoint URL.
 - a. In the Integrations section of the project workspace, click **Actions** ■■■ on the integration flow, then select **Run**.
 - b. On the Configure and run page, click **Endpoint metadata**.
 - c. In the panel that opens, copy the **Endpoint URL** value. This is the integration flow's endpoint URL.
3. Update the integration's endpoint URL in your Jira instance.

To register the endpoint URL:

- a. From your service project, select **Project settings**, then **Details**.
 - b. In the **URL** field, enter the integration's endpoint URL that you obtained in step 2.
 - c. Click **Save**.
4. Create an issue in Jira.
 - a. Select **Create**.
 - b. In the **Summary** field, enter the summary of the issue.
 - c. Complete all the required fields and any other fields.
 - i. *Optional:* To change which fields appear when you create another issue, select **Configure Fields** and select and deselect the fields you want. When you next create an issue, the selected fields will be displayed.
 - ii. *Optional:* To create other issues with the same **Project** and **Issue Type**, select **Create another** . Depending on your configuration and issue creation history, some fields may be pre-populated. Review these before creating the new issue.
 - d. Select **Create**.

By creating the new Jira issue, you've successfully triggered the **Oracle Jira GitHub Create Issue Sync** integration flow. The integration now creates a corresponding issue in GitHub.

5. Monitor the running of the integration flow in Oracle Integration.
 - a. In the project workspace, click **Observe**. You'll see the integration flow being triggered and running successfully.
 - b. To manage errors in your project, see *Manage Errors in a Project*.
6. Check if a corresponding new issue is created in GitHub.

- a. Log in to your GitHub instance.
- b. Select the repository.
- c. At the top of the page, click **Issues**.

View the issues and verify that a new issue corresponding to the Jira issue is present.

Related Documentation

- *Using the Jira Adapter with Oracle Integration 3*
- *Using the GitHub Adapter with Oracle Integration 3*