

Oracle® Cloud

Create Alerts in Microsoft Teams for Jira Issues



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Primary Author: Oracle Corporation

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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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- [Conventions](#)

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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.
<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.

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About This Recipe

Use this recipe to create an alert in Microsoft Teams whenever an issue is created in Jira.



Note:

This recipe is available as **Jira — Microsoft Teams | Create Alerts for Issues** in the Integration Store. 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 is an application-driven recipe that sends an alert in Microsoft Teams whenever an issue is created in Jira.

To use the recipe, you must install the recipe and configure the connections and other resources within the recipe. The **JIRA MS Teams Issue Alert** integration flow subscribes to the issue create event in Jira. Whenever a new issue is created, the integration flow of the recipe is triggered, and it creates a corresponding alert in Microsoft Teams. Basic data is synchronized between the two platforms.

System and Access Requirements

- Oracle Integration, Version 23.06.2.0.0 or higher
- Atlassian
- An account on Atlassian with the Administrator role
- At least one Jira project on your Atlassian account. At least one Jira project on your Atlassian account. The project(s) can be in any of the Jira products, for example, Jira Work Management or Jira Software
- Microsoft Teams
- An account on Microsoft Teams with the Administrator role

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Before You Install the Recipe

You must perform the following configuration tasks on your Atlassian and Microsoft Teams instances in order to successfully connect to these external systems using Oracle Integration and create alerts.

Configure Jira

To access Jira from Oracle Integration, you must perform the following configuration tasks:

1. Create an app, configure the OAuth 2.0 authorization code, and assign the scopes. See [Prerequisites to Use the Authorization Code Credentials Security Policy](#).
 - In the Callback URL field, specify the callback URL in the following format: `https://{OIC_Hostname}:443/icsapis/agent/oauth/callback`
 - Ensure that you add the following scopes: `read:jira-work manage:jira-project write:jira-work manage:jira-configuration read:jira-user`
2. Create a webhook. See [Registering a webhook via the Jira administration console](#).
 - In the URL field, enter your Oracle Integration endpoint URL. For example, `https://<encodedUsername>:<encodedPassword>@<host>/ic/api/integration/v2/flows/jira/project/ORCL-R-JIRA_MSTEAMS_ISSUE_ALERT/JIRA_MS_TEAMS_ISSUE_ALERT/1.0/Inbound/issue_created?user_id=[user_id-value]&user_key=[user_key-value]`.
 - In the Events field, select **Issue Created**.

Configure Microsoft Teams

Complete certain configuration tasks in your Microsoft Teams instance to successfully connect to it from Oracle Integration.

1. Log in to `https://azure.microsoft.com/` with administrator access.
2. In the upper right, click the user icon and select **Azure Portal**.
3. In the search field of the resulting page, enter app registration, and then select **App registrations** from the search results.

Alternatively, scroll to the Azure services section in the page, and click **App registrations**.
4. In the App registrations page, click **New registration**.
5. In the **Name** field enter the user-facing display name for the application. For example, `Jira-MicrosoftTeams`.
6. In the Supported account types section, select who can use this application or access this API.
7. In the Redirect URI (optional) section, select **Web** from the drop-down field, and enter the redirect URL: `https://instance_URL/icsapis/agent/oauth/callback`.

8. Click **Register**.
9. Get the Client ID.
 - a. In the left navigation pane, click **Overview**.
 - b. Copy the value in the **Application (client) ID** field.

Note down the value as it will be required while configuring the Microsoft Teams connection from Oracle Integration.
10. Get the Client secret.
 - a. In the left navigation pane, click **Certificates & secrets**.
 - b. In the Client secrets section, click **New client secret**.
 - c. In the Add a client secret dialog:
 - Enter a description in the **Description** field.
 - Select the expiration time of the app from the options available in the **Expires** field.
 - Click **Add**.
 - d. In the resulting page, under the Client secrets section, copy the client secret value in the **Value** column.

Note down the value as it will be required while configuring the Microsoft Teams connection from Oracle Integration.
11. Set the permissions and scopes for the application.
 - a. In the left navigation pane, click **API permissions**, and select **Microsoft Graph**.
 - b. In the API permissions page, select **delegated permissions**. Click **Add a permission**, and add the following API permissions to the application.
 - ChannelMessage.Send
 - Chat.ReadWrite
 - ChatMessage.Send
 - Group.ReadWrite.All
12. Navigate to the Overview page and click **Endpoints**. Note the OAuth2.0 authorization endpoint(v2) and OAuth 2.0 token endpoint(v2).

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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 **Use a recipe/accelerator** section, click **View all**.
2. Find the recipe you want to install.

3. Hover over the recipe, then click **Install** .

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

4. Hover over the recipe again, and click **Configure**  to configure the resources of the recipe.

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://your_domain_name.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 obtained when you configured your Atlassian instance. See Configure Jira .
Client Secret	Enter the Client Secret obtained when you configured your Atlassian instance.

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 REST MS Teams Connection

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

Field	Information to Enter
Connection Type	Leave REST API Base URL selected.
Connection URL	Enter your Microsoft Graph URL. For example: <code>https://graph.microsoft.com/v1.0.</code>

3. In the Security section, enter the following details:

Field	Information to Enter
Security Policy	Leave OAuth Authorization Code Credentials selected.
Client Id	Enter the Client ID obtained when you configured Microsoft Teams. See Configure Microsoft Teams .
Client Secret	Enter the Client Secret obtained when you configured Microsoft Teams.
Authorization Code URI	Enter the Authorization Code URI obtained when you configured Microsoft Teams.
Access Token URI	Enter the Access Token URI obtained when you configured Microsoft Teams.
Scope	Enter the following scope: <code>https://graph.microsoft.com/ChannelMessage.Send https://graph.microsoft.com/Chat.ReadWrite https://graph.microsoft.com/ChatMessage.Send offline_access</code>

4. Click **Save**. If prompted, click **Save** again.
5. Click **Test** to ensure that your connection is successfully configured. A message confirms if your test is successful.
6. To return to the project workspace, click **Go back** .

Configure the Lookup Table

Edit the **JIR-MSTeams-Config-Lookup** lookup table to configure the fields in Microsoft Teams.

1. In the Lookups section, click the lookup name.
2. Enter the values for the following keys.

Key	Description
team-id	Specify the unique ID of your team in the Microsoft Teams instance.
channel-id	Specify the unique ID of your channel in the Microsoft Teams instance.
to-address	Specify the email address to which the error notification emails are sent. Enter an email address of your choice.

Key	Description
from-address	Specify the email address from which the error notification emails are sent. Enter an email address of your choice. See Troubleshoot Oracle Cloud Infrastructure Notification Email Configuration to Ensure Proper Delivery .

3. Click **Save**. If prompted, click **Save** again.
4. To return to the project workspace, click **Go back** .

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Activate and Run the Recipe

After you've configured the connections, 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. Run the recipe. To do so, create an issue in Jira. See [Create an issue and a subtask](#).
You've now successfully triggered the recipe.
3. 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](#).
4. Check if you have received an alert in your Microsoft Teams instance.

Related Documentation

- [Using the Jira Adapter with Oracle Integration 3](#)
- [Using the REST Adapter with Oracle Integration 3](#)