

# Oracle® Cloud

## Create and Add a User to Multiple Groups in OCI



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# Contents

## 1 About This Recipe

---

Overview	1-1
System and Access Requirements	1-1

## 2 Before You Install the Recipe

---

## 3 Install and Configure the Recipe

---

Configure the OCI Domain REST Connection	3-1
--	-----

## 4 Activate and Run the Recipe

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# Preface

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

## Topics:

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

## 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
<b>boldface</b>	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.

# 1

## About This Recipe

Use this recipe to create a user in Oracle Cloud Infrastructure (OCI) and add the user to multiple groups. The groups are specified as an array, and the newly created user will be added to all the existing groups from the array.



### Note:

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 offers an efficient solution to manage user creation and group assignments in Oracle Cloud Infrastructure (OCI).

This recipe uses the user details and an array of group names as the input to automatically create a user and add the newly created user to all the existing groups specified in the array. This automation simplifies user provisioning, reduces manual effort, and ensures consistency in group membership, improving the overall efficiency of access management.

To use the recipe, you must install the recipe and configure the connection and other resources within the recipe.

## System and Access Requirements

- Oracle Integration 3
- Oracle Cloud Infrastructure domain access

# 2

## Before You Install the Recipe

You must complete the following prerequisites before installing this recipe.

To call the OCI APIs, the OCI Signature Version 1 security policy is used in the REST adapter. Perform the steps documented in section OCI Signature Version 1 Security Policy Use to create the signing key, and obtain the tenancy OCID and user OCID.


# 3

## 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 OCI Domain REST Connection

1. In the Connections section, click the connection name.
2. In the Properties section, enter the connection URL. For example: `https://domain_URL`. See [Finding an Identity Domain URL](#) to locate the domain URL you need.
3. In the Security section, enter the following details:

Field	Information to Enter
<b>Security Policy</b>	Select <b>OCI Signature Version 1</b> .
<b>Tenancy OCID</b>	Enter the Oracle Cloud Infrastructure (OCI) tenancy OCID. See <a href="#">Before You Install the Recipe</a> .
<b>User OCID</b>	Enter the OCI user OCID. See <a href="#">Before You Install the Recipe</a> .
<b>Private Key</b>	Upload the private key. See <a href="#">Before You Install the Recipe</a> .
<b>Fingerprint</b>	Enter the fingerprint. See <a href="#">Before You Install the Recipe</a> .

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** .



# 4

## 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. Run the recipe from an external application.
  - 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.
  - d. To create a user from an external application, send a POST request to this endpoint URL along with the required payload.
  - e. The recipe creates a user and assigns the user to groups in the Oracle Cloud Infrastructure (OCI) domain.
3. Test the recipe in Oracle Integration.
  - a. In the Integrations section of the project workspace, click **Actions** ■■■ on the **Create User and Add in Groups** integration flow, then select **Run**.
  - b. On the Configure and run page, in the Request section, click the **Body** tab and enter the message as the request payload.

**Example of a request payload to create a user:**

```
{
  "lastName": "Doe",
  "firstName": "John",
  "groups": ["group1", "group2"],
  "userName": "jd",
  "email": "j.d@example.com"
}
```

**Success response if user is created:**

```
{
  "status" : "Success",
  "displayName" : "John Doe",
  "id" : "850f36f655374b3c81d95ba9b0dd8a20",
  "firstName" : "John",
  "lastName" : "Doe",
  "email" : "j.d@example.com",
}
```

```
"userName" : "jd"  
}
```

4. 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](#).
5. Verify that the user is created in Oracle Cloud Infrastructure (OCI) under Identity Domain.

**Related Documentation**

- *Using the REST Adapter with Oracle Integration 3*
- [OCI Identity Domains API documentation](#)