

# Oracle® Cloud

## Import Files from File Server to OCI Object Storage



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Oracle Cloud Import Files from File Server to OCI Object Storage,  
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# Preface

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

## Topics:

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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.

<b>Convention</b>	<b>Meaning</b>
<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

## About This Recipe

Use this recipe to import files from File Server to OCI Object Storage.

### Note:

This recipe is available as **File Server — OCI Object Storage | Import Files** 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 import files from File Server to OCI Object Storage using native actions. This solution is connection less, meaning no connections are used to connect to File Server and OCI Object Storage.

- **File Server:** A native action is used to connect to File Server without having to use the FTP adapter connection.
- **OCI Object Storage:** A native action is being used to connect to OCI Object Storage without having to use the REST adapter connection.

To use the recipe, you must install the recipe and configure the resources within it. Subsequently, you can activate and run the integration flow of the recipe. When triggered, the integration flow imports files from File Server into OCI Object Storage.

To use File Server which is an embedded sFTP server within Oracle Integration, you must enable it from your Oracle Integration instance. See *Enable File Server in Using File Server in Oracle Integration 3*.

## System and Access Requirements

- Oracle Integration, Version 24.10 or higher
- File Server
- OCI Object Storage
- An account on OCI Object Storage that has access to create objects

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## Before You Install the Recipe

You must perform the following configuration tasks on your File Server and OCI Object Storage instances in order to successfully import files from File Server to OCI Object Storage.

### Configure File Server

You have to create the required directories in File Server.

1. Create a directory to import the input files from. Note down the path of the directory.
2. Create a directory to archive files that have been processed. Note down the path of the directory.
3. Create a directory where error files are to be placed.

### Configure OCI Object Storage

Obtain access to OCI Object Storage and check the following:

1. If you don't already have a bucket where you can upload the imported files, create a bucket in a compartment.
2. Note down the bucket's location.

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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 Lookup Table

The recipe contains the **SFTPTToObjectStorageLKP** lookup table. Edit the lookup keys in the table as per your requirement.

1. In the Lookups section, click the lookup name.
2. Edit the lookup keys in the table.
  - **ToEmailAddress**: Specify the email address to which error notifications have to be sent.
  - **OICErrorDirectory**: Specify the directory in File Server where files that errored out have to be sent.
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 have configured the resources of the recipe, 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.

- a. In the Integrations section of the project workspace, click **Actions**  on the **FileServer to OCI Storage Native file transfer** integration flow, then select **Run**.

The Configure and run page is displayed with the following parameters. Update the parameters with appropriate values.

- **Bucket Location:** This property holds the location of the bucket where the imported files have to be uploaded in OCI Object Storage.
- **Bucket Name:** This property holds the name of the OCI Object Storage bucket where the imported files have to be uploaded.
- **SFTP\_File\_Path:** This property holds the path on File Server from which files have to be fetched.
- **SFTP\_Archive\_File\_Path:** This property holds the path on File Server where processed files are archived.
- **File\_Name\_Pattern:** Specify the file name pattern.

- b. On the Configure and run page, click **Run**.

You've now successfully submitted the integration for execution.

### Note:

You can also schedule this integration to run at a date, time, and frequency of your choosing. See [Define the Integration Schedule](#).

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. In OCI Object Storage, check that the files have been imported to the specified bucket. In File Server, check if the processed files have been moved to the archived files directory .

### Related Documentation

- [Invoke Oracle Cloud Infrastructure Object Storage from an Integration with an OCI Object Storage Action](#)
- [Interact with Files in File Server](#)