

# Oracle® Cloud

## Read and Write Files on an FTP Server



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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 Generation 2.

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## Related Resources

For more information, see these Oracle resources:

- Oracle Integration documentation in the Oracle Cloud Library 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.         |
| <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

This recipe copies a file from one directory to another on an FTP server.



### Note:

This recipe is available as **FTP Server — Oracle Integration | Read and Write File** 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 recipe uses the FTP Adapter to read and write files to an FTP server. It enables you to copy a file from one directory to another on an FTP server.

With this recipe, you can also use the File Server, an embedded sFTP server within Oracle Integration. To use File Server, you must enable it for your Oracle Integration instance. See *Enable File Server in Using File Server in Oracle Integration Generation 2*

## System and Access Requirements

- Oracle Integration
- A secure FTP (sFTP) server or File Server
- An FTP client to access the external sFTP server

# 2

## Before You Install the Recipe



Perform the following tasks on your SFTP server.

1. Log in to the server using your user name and password through an FTP client; for example, FileZilla.
2. Create an input directory (FTP Bulk Transfer) on the server from which to read files. The path of the directory should be: \FTP Bulk Transfer\.
3. Place a sample file (test.xml) in the input directory.
4. Create an output directory (FTP Write Folder) on the server to write files. The path of the directory should be: \FTP Write Folder\.


# 3

## Install and Configure the Recipe

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

1. On the Oracle Integration Home page, scroll to the **Accelerators & Recipes** section.
2. Click **Search All**.  
The list of available recipes is displayed.
3. Find and select the recipe package that you want to install, then click **Install** .  
A message confirms that the recipe was successfully installed, and the recipe card shows **INSTALLED**.
4. After the package is installed, click **Configure**  on the recipe card.  
The Configuration Editor opens, displaying all the resources of the recipe package. Configure the following resources before you activate and run the recipe.


## Configure the Oracle FTP Connection

1. In the Configuration Editor, select the connection, then click **Edit** .
2. In the Connection Properties section, enter the following details:

| Field                          | Information to Enter                        |
|--------------------------------|---|
| <b>FTP Server Host Address</b> | Enter the host address of your sFTP server. |
| <b>FTP Server Port</b>         | Enter 22.                                   |
| <b>SFTP Connection</b>         | Select <b>Yes</b> from the list.            |

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

| Field                  | Information to Enter                                |
|------------------------|---|
| <b>Security Policy</b> | Select <b>FTP Server Access Policy</b> .            |
| <b>User Name</b>       | Enter the user name to connect to your sFTP server. |
| <b>Password</b>        | Enter the password to connect to your sFTP server.  |

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 Configuration Editor, click **Back** . Click **Save** again if prompted.




# 4

## Activate and Run the Recipe

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

1. In the Configuration Editor, click **Activate** in the title bar. In the Activate Package dialog, click **Activate** again.


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 Configuration Editor, select the integration flow.
  - b. Click **Run** , then click **Submit Now**.
  - c. In the resulting dialog, click **Confirm**.

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 Configuration Editor, select the integration flow.
  - b. Click **Run** , then click **Track Instances**.

On the Track Instances page, observe the integration flow of the recipe being triggered and running successfully.
4. Log in to your FTP server and check if the sample file (`test.xml`) placed in the input directory has been copied to the output directory.

### Related Documentation

- [Create an Integration to Import and Process Bulk Files](#)
- [Using File Server in Oracle Integration Generation 2](#)