

# Oracle® Cloud

## Store and Manage Objects in Amazon Simple Storage Service (Amazon S3)



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Oracle Cloud Store and Manage Objects in Amazon Simple Storage Service (Amazon S3),

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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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## 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 store and manage objects in an Amazon Simple Storage Service (Amazon S3) bucket.



### 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 demonstrates how to store and manage objects in an Amazon S3 bucket.

To use the recipe, you must install the recipe and configure the connection and other resources within it. You can perform the following operations using this recipe:

- Upload an object into an Amazon S3 bucket
- List objects in an Amazon S3 bucket
- Delete an object in an Amazon S3 bucket
- Download an object from an Amazon S3 bucket

## System and Access Requirements

- Oracle Integration 3
- Amazon Web Services (AWS) with Amazon S3
- An account on AWS with the Administrator role

# 2

## Before You Install the Recipe

To access Amazon Web Services (AWS) using Oracle Integration and successfully store and manage objects in an Amazon S3 bucket, you have to perform certain configuration tasks.

### Configure Amazon S3

Complete the following configuration tasks to successfully connect to AWS from Oracle Integration and store and manage objects in an Amazon S3 bucket.

1. Log in to your AWS Management Console at <https://console.aws.amazon.com/>.
2. Get your AWS access keys.
  - a. In the top navigation bar, choose your user name, and then click **My Security Credentials** from the menu.
  - b. On the Security Credentials page, expand the Access keys (access key ID and secret access key) section.
  - c. Create an access key by clicking **Create New Access Key**.  
If the **Create New Access Key** button is disabled, delete one of the existing access keys and try again.
  - d. Click **Download Key File** to download the access key ID and secret access key, and save it as a .CSV file to a secure location on your computer.
3. Set up your Amazon S3 bucket where you want to store and manage objects.
  - a. In the AWS Management Console, enter **s3** in the search field at the top.
  - b. Select **S3 (Scalable Storage in the Cloud)** from the search results.  
The Amazon S3 page appears.
  - c. Select an existing bucket.
    - i. Scroll to the Buckets section. All available buckets are listed under it.
    - ii. Select a bucket.
  - d. Alternatively, create and choose a new bucket.
    - i. Click **Create bucket**.
    - ii. In the Create bucket dialog, enter a unique name for the bucket, for example `oracle-bucket`.
    - iii. In the **AWS Region** field, select a region from the drop-down list
    - iv. Click **Create bucket**. The new bucket is listed under the Buckets section.
    - v. Select the bucket.
4. Note the **AWS Region** of the bucket. You will need this information when you configure the Amazon S3 connection from Oracle Integration.
  - a. Select the bucket.
  - b. Click the **Properties** tab, and note the **AWS Region** of the bucket.


# 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 Amazon S3 Connection

1. In the Connections section, click the connection name.
2. In the Properties section, enter the AWS region where you have created the Amazon S3 bucket. For example, `us-east-1`.
3. In the Security section, enter the following details:

Field	Information to Enter
<b>Access Key</b>	Enter the access key that you obtained. See <a href="#">Configure Amazon S3</a> .
<b>Secret Key</b>	Enter the secret key that you obtained.
<b>AWS Region</b>	Choose the AWS region where you have created the Amazon S3 bucket. For example, US East (N. Virginia) Region ( <code>us-east-1</code> ).

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. Test the recipe in Oracle Integration.
  - a. In the Integrations section of the project workspace, click **Actions** ■■■ on the integration flow, then select **Run**.
  - b. In the Integrations section of the project workspace, click **Actions** ■■■ on the **Oracle AWS S3 Handler** integration flow, then select **Run**.
  - c. Test the object upload, list, delete and download operations.
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. Verify the results of each operation (upload, list, delete, download).
  - a. Log in to your AWS Management Console at <https://console.aws.amazon.com/>.
  - b. Navigate to the Amazon S3 page.
  - c. Select the Amazon S3 bucket from the Buckets section of the page.
  - d. Verify that the operations you performed while testing the recipe are successful.

### Related Documentation

- *Using the Amazon Simple Storage Service (S3) Adapter with Oracle Integration 3*