Oracle® Cloud

Export Workday Employees to an FTP Server

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Oracle Cloud Export Workday Employees to an FTP Server,

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Preface

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

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Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at `http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc`.

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Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

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.

Convention	Meaning
italic	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 export employee records from Workday to an FTP server.

> **Note:**
>
> This recipe is available as **Workday — FTP | Export Employee Records** 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 exports Workday employee records to an FTP server, according to a schedule specified in Oracle Integration.

To use the recipe, you must install the recipe and configure the connections and other resources within the recipe. Subsequently, you can activate and run the integration flow of the recipe manually or specify an execution schedule for it. When triggered, the integration flow reads the employee records from the Workday instance and exports them to an FTP server. While running the recipe, you can configure the integration flow to read Workday employee records created after a specified time, thereby picking up only the new or required employee records in each run. Basic data such as name, ID, date of birth, email, and so on are synchronized between Workday and FTP.

System and Access Requirements

- Oracle Integration, Version 21.4.3.0.0 or higher
- Workday
- An account on Workday with the Administrator role
- A secure FTP (sFTP) server or File Server
- An FTP client to access the sFTP server

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Before You Install the Recipe

You must perform the following configuration tasks on your Workday instance and FTP server in order to successfully connect to these external systems using Oracle Integration and export employee records.

Configure Workday

To configure Workday, see Prerequisites for Creating a Connection.

Access Your FTP Server and Create a File

Obtain an sFTP server and ensure that you're able to access it.

1. Log in to the server using your user name and password through an FTP client; for example, FileZilla.
2. Create a directory on the server to export the files. Note the path of this directory.
3. Create a file in the directory to write the employee records. Note the name of this file.

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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 Oracle Workday Connection

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

Field	Information to Enter
Host Name	Enter the Workday host name. For example: `https://wd2-impl-services1.workday.com`
Tenant Hame	Enter the tenant's name of the account created for Oracle Integration on Workday. See Configure Workday.

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

Field	Information to Enter
Workday Integration User	Enter the username of the account created for Oracle Integration on Workday. See Configure Workday.
Password	Enter the password of the account created for Oracle Integration on Workday.

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 FTP Connection

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

Field	Information to Enter
FTP Server Host Address	Enter the host address of your sFTP server.
FTP Server Port	Enter 22.
SFTP Connection	Select **Yes** from the list.

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

Field	Information to Enter
Security Policy	Select **FTP Public Key Authentication**.
Username	Enter the user name to connect to your sFTP server.
Private Key File	Upload the private key file for 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 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. Update the following property values for the integration flow. You can update the integration properties only after activating this flow. For the procedure to update the integration properties, see Steps 7 and 9 in Override Design-Time Properties in an Integration.

Integration Property	Description
`RecordCount`	This integration property holds the number of records to be displayed in one page during integration run time. The default value for RecordCount is `100`.
`EmailTo`	This integration property holds the email address to which run-time exception emails are sent. Enter an email address of your choice.

3. Run the recipe.
   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, configure the following parameters, and click **Run**.
      - `schedule_para_FileName`: Specify the name of the file to which you want to extract the employee records. See Before You Install the Recipe.
      - `schedule_para_LastRunTime`: This parameter stores the date and time of the most-recent successful run of the integration flow. The parameter's value is automatically updated after each successful run, and only the Workday employee records created after the date-time stamp stored as the parameter's **Current Value** are processed by the integration in each run. If you want to change the date-time stamp for a specific scenario, enter the date and time of your choice in the **New Value** field in the format, `yyyy-MM-dd HH:mm`. To fetch all the employee records from the beginning, set the value as `zero`.
      - `schedule_para_FolderName` : Specify the path of the folder which contains the file with employee details. See Before You Install the Recipe.

   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.

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. Log in to your FTP server and check for the new employees fetched from your Workday instance.

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Appendix A: Configure the Integration Flow (Optional)

If you want to fetch additional information about Workday employee records (other than what is pre-configured in this recipe), you can modify the filter criteria of the Workday request-mapper element in the integration flow. To successfully process the additional fields fetched, you must update the Stage File element of the integration flow with a new schema file that contains the structure of the updated data set.

Modify the Filter Criteria

1. In the Integrations section, select the **Workday FTP Export Employee Records** integration flow.
2. On the integration canvas, click the **Map to GetWorkers** element, and then click **Actions** ••• and select **Edit** to open the mapper.
3. In the mapper, under **Response_Group**, find the required element. For example, to fetch employment information, find and click the **Include_Employment_Information** element.
4. In the editor that opens, set:
   - **True**: to export selected information to the FTP server.
   - **False**: to exclude selected information.
5. Click **Save** and then click **Validate**.
6. To return to the project workspace, click **Go back** .

Update the Stage File Element

1. Add the required additional fields to your sample schema file.

   > **Note:**
   >
   > To obtain a sample schema file, run the recipe without modifying the filter criteria initially. The recipe populates the employee data into the specified file on your FTP server. You can use this file as the sample schema file.

2. Edit the **Stage File** element on the integration canvas and upload the modified file. See Configure a Stage File ActionConfigure a Stage File Action.

Related Documentation

- *Using the Workday Adapter with Oracle Integration 3*
- *Using the FTP Adapter with Oracle Integration 3*