Oracle® Cloud

Create Accounting Journals in Oracle Accounting Hub

G14592-01
October 2024

Oracle Cloud Create Accounting Journals in Oracle Accounting Hub,

G14592-01

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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

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`.

Access to Oracle Support

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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.

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About This Recipe

Use this recipe to create accounting journal entries in Oracle Accounting Hub for transaction data received from external systems.

> ✏ **Note:**
>
> This recipe is available as **FTP Server — Oracle Accounting Hub | Create Accounting Journals** 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 imports and transforms transaction data received from external systems and creates accounting journal entries for the same in Oracle Accounting Hub.

To use the recipe, you must install the recipe and configure the connections and other resources within it. The recipe contains the following scheduled integration flows.

- **Oracle FTP ERP ImportAccountTransactions ESS Trigg** - This integration flow imports the transaction data from an FTP server and writes the data into an Oracle ATP database table. It fetches the data stored in the Oracle ATP database table and uploads it to Universal Content Management (UCM) using the Oracle ERP adapter. It then places a request to submit a Enterprise Scheduler Service (ESS) job and inserts the ESS job request id to the Oracle ATP database.

- **Oracle ERP AccountTransactions ESS Job Monitor** - This integration flow gets each request id from the Oracle ATP database table and queries for the ESS job status in Oracle ERP Cloud. If the status is successful, it sends the data to Oracle Accounting Hub where a corresponding accounting journal entry is created.

Prerequisite: For the recipe to run successfully, the transaction data received from external systems have to be uploaded to the FTP server in a particular format. Download the XlaTransactionUploadTemplate99.zip for standard transaction header, line and metadata file templates that can be used to upload the required transaction data (from external systems) to the FTP server.

System and Access Requirements

- Oracle Integration, Version 24.10 or higher
- Oracle Accounting Hub
- An account on Oracle Accounting Hub with the Administrator role
- Oracle ERP Cloud
- An account on Oracle ERP Cloud with the Administrator role

- Oracle ATP

- An account on Oracle ATP 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 FTP server, Oracle ATP, Oracle ERP Cloud and Oracle Accounting Hub instances to successfully connect to Oracle Integration and create accounting journal entries.

Access Your FTP Server

Obtain an FTP server and ensure that you can access it.

1. Login to the server using your username and password through an FTP client; for example, FileZilla.
2. Create an input folder to store the transaction data files. Note down the path of the folder.
3. Upload the transaction data files into the input folder.

You can also choose to store the input transaction data files to work with on 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 3*.

Configure Oracle ATP

Log in to your Oracle ATP database instance as an **Administrator** and perform the following tasks.

1. Perform general configuration tasks. See Prerequisites for Creating a Connection.
2. Create a schema named `accountinghub`.
3. Create a database table under the `accountinghub` schema.

   ```
   Create Table V_JOBS_STATUS(RequestID VARCHAR2 (50),ERPStatus VARCHAR2
   (50),Processed VARCHAR2 (50))
   ```

For more information, refer to Oracle Autonomous Database documentation.

Configure Oracle ERP Cloud

To access the Oracle ERP Cloud instance from Oracle Integration, you'll require a separate user account on Oracle ERP Cloud.

Log in to your Oracle ERP Cloud instance as an **Administrator** and perform the following tasks.

1. Create a user account for Oracle Integration. Make a note of the user name and password you set for the account. You'll use the credentials of this user account to connect to Oracle ERP Cloud from Oracle Integration.
2. Assign required roles to the user account.

   a. Create a new job role under role category Common - Job Roles.

       b. Under role hierarchy, add the following duties:

- `ORA_XLA_ACCOUNTING_HUB_INTEGRATION_DUTY`
- `ORA_XLA_ACCOUNTING_HUB_INTEGRATION_DUTY_OBI`
- `FIN_FUSIONACCOUNTINGHUB_IMPORT_RWD`

       c. Save the job role.

       d. Assign the job role to a user.

       e. Run the following jobs:

- Send Pending LDAP Requests
- Retrieve Latest LDAP Changes
- Import User and Role Application Security Data

Configure Oracle Accounting Hub

To configure Oracle Accounting Hub, you have to complete three primary steps.

1. Create a new sub-ledger application by registering the transaction source system using a spreadsheet.
2. Configure accounting rules.
3. Upload transaction data to create accounting entries.

For more information, refer to the following:

- The **Set up Accounting Hub Cloud** section in this blog.
- Accounting Hub Best Practices.
- Implementing Accounting Hub

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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 ATP ImportAccountTransaction Connection

1. In the Connections section, click the connection name.

2. In the Properties section, specify the database service name in the **Service Name** field. See Configure Oracle ATP.

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

Field	Information to Enter
Security Policy	Select **JDBC With OCI Signature**.
Wallet	Select the check box, then click **Upload** to upload the wallet file. SeeConfigure Oracle ATP.
Wallet Password	Enter the wallet password.
Database Service Username	Enter the database service username to connect to the ATP database. The database service username is the schema username for the user to log in to the database. The database service username is not the same as the database service name that you specify in the connection Properties section.
Database Service Password	Enter the database service password to connect to the ATP database.
Object Storage Region	Specify the region in which your object storage is located. For example, `us-ashburn-1`.
Object Storage Tenancy OCID	Specify the value you copied from the Oracle Cloud Infrastructure Console. For example, `ocid1.tenancy.oc1.alphanumeric.value`
Object Storage Compartment OCID	Specify the value you copied from the Oracle Cloud Infrastructure Console. For example, `ocid1.compartment.oc1.alphanumeric.value`
Object Storage User OCID	Specify the value you copied from the Oracle Cloud Infrastructure Console. For example, `ocid1.user.oc1.alphanumeric.value`

Field	Information to Enter
Private Key	Click **Upload** to select the key you created. Ensure that the key is in RSA (PKCS1) format.

> **Note:**
>
> Only a private key *without* a pass phrase/password is supported.

Finger Print	Enter the finger print that was generated when you created the key in the Oracle Cloud Infrastructure Console.

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 Oracle ERP SOAP ESS ImportAccountTrans Connection

1. In the Connections section, click the connection name.

2. In the Properties section, specify the **WSDL URL**. For example: `https://<ERP Hostname>/publicFinancialCommonErpIntegration/ErpIntegrationService?wsdl`.

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

Field	Information to Enter
Security Policy	Select **Username Password Token**.
Username	Enter the user name.
Password	Enter the password.

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 Oracle FTP ImportAccountTransactions 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 the port of your sFTP server.
SFTP Connection	Select **Yes** from the list.

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

Field	Information to Enter
Security Policy	Select **FTP Server Access Policy**.
Username	Enter the username to connect to your FTP server.
Password	Enter the password to connect to your FTP 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** .

Configure the Oracle ERP ImportAccountTransactions Connection

1. In the Connections section, click the connection name.

2. In the Properties section, enter the Oracle ERP Cloud host name. For example: `https://your_domain_name.fa.DC.oraclecloud.com`.

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

Field	Information to Enter
Security Policy	Select **Username Password Token**.
Username	Enter the username of the account created for Oracle Integration on Oracle ERP Cloud. See Configure Oracle ERP Cloud.
Password	Enter the password of the account created for Oracle Integration on Oracle ERP Cloud.

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** .

Update Integration Properties

1. Update integration properties for the integration flows in the recipe.

   a. In the Integrations section, click **Actions** ⋯ on the **Oracle FTP ERP ImportAccountTransactions ESS Trigg** integration flow, then select **Update property values**.

    b. In the Update property values panel, update the integration properties with appropriate values.

- **NotificationFromEmail**: This integration property holds the email address from where notification errors are sent. You can get the value from **Settings** > **Integrations** >**Notifications**.

- **NotificationToEmail**: This integration property holds the email address to which notification errors are sent. Enter an email of your choice.

- **FileName**: This integration property holds the name of the input transaction data file.

- **FolderPath**: This integration property holds the path of the folder in the FTP server from which the input transaction data files are fetched. See Access Your FTP Server.

    c. In the Integrations section, click **Actions** ▪▪▪ on the **Oracle ERP AccountTranactions ESS Job Monitor** integration flow, then select **Update property values**.

    d. In the Update property values panel, update the integration properties with appropriate values.

- **From_Address**: This integration property holds the email address from where notification errors are sent. You can get the value from **Settings** > **Integrations** >**Notifications**.

- **To_Address**: This integration property holds the email address to which notification errors are sent. Enter an email of your choice.

2. Click **Submit**.

A message confirms that the integration properties have been updated successfully.

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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 integrations have been activated. Refresh the page to view the updated status of the integrations.

2. Run the recipe.

   a. In the Integrations section of the project workspace, click **Actions** ⋯ on the **Oracle FTP ERP ImportAccountTransactions ESS Trigg** integration flow, then select **Run**.

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

   - **jobDefinitionName**: Enter the name of the ERP ESS job. For example, `XLATXNIMPORT`.

   - **jobPackageName**: Enter the ERP ESS package name. For example, `/oracle/apps/ess/financials/subledgerAccounting/shared`

   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.

   c. In the Integrations section of the project workspace, click **Actions** ⋯ on the **Oracle ERP AccountTranactions ESS Job Monitor** integration flow, then select **Run**.

   d. 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 flows in Oracle Integration.

   a. In the project workspace, click **Observe**. You'll see the integration flows being triggered and running successfully.

   b. To manage errors in your project, see Manage Errors in a Project.

4. In Oracle Accounting Hub, check if a corresponding accounting journal entry is created for the transaction data that was uploaded to the FTP server.

Related Documentation

- *Using the Oracle Autonomous Transaction Processing Adapter with Oracle Integration 3*
- *Using the SOAP Adapter with Oracle Integration 3*
- *Using the FTP Adapter with Oracle Integration 3*
- *Using the Oracle ERP Cloud Adapter with Oracle Integration 3*