

Oracle® Cloud

Import a Payment Request into Oracle ERP Cloud



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Oracle Cloud Import a Payment Request into Oracle ERP Cloud,
F60953-02

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Contents

1 About This Recipe

Overview	1-1
System and Access Requirements	1-1
Recipe Schema	1-1

2 Before You Install the Recipe

Access Your FTP Server and Upload the Files	2-1
Configure Oracle ERP Cloud	2-1

3 Install and Configure the Recipe

Configure the FTP Connection	3-1
Configure the Oracle ERP Cloud Connection	3-1
Configure the Lookup Table	3-2

4 Activate and Run the Recipe

A Appendix : Payment Request File Definition

Definition: apPaymentRequest.properties	A-1
Example Values: apPaymentRequest.properties	A-2
Example File: apPaymentRequest.properties	A-2
Definition: apPaymentRequest.csv	A-2
Example Values: apPaymentRequest.csv	A-4

Preface

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

Topics:

- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Related Resources](#)
- [Conventions](#)

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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
boldface	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.
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 a payment request from an FTP server to Oracle ERP Cloud.

Note:

This recipe is available as **FTP Server — Oracle ERP Cloud | Import Payment Requests** 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 imports an interface file containing payment requests from an FTP server to Oracle ERP Cloud according to a schedule specified in Oracle Integration.

In Oracle ERP Cloud, a payment request is used to make a one-time payment (without creating a supplier record) to external suppliers or parties. When a payment request (transaction) is imported into Oracle ERP Cloud, the payees, parties, and bank accounts are automatically created in the application, thereby simplifying the task of making the payment. In addition, the transactions are validated automatically, eliminating the need for manual intervention.

As part of this recipe, Oracle provides an example file structure that you can use to load a payment request into Oracle ERP Cloud.

To use the recipe, you must install the recipe and configure the connections and other resources within it. Subsequently, you can activate and run the recipe manually or specify an execution schedule for it. When triggered, the recipe loads a payment request from a specified FTP server to Oracle ERP Cloud.

System and Access Requirements

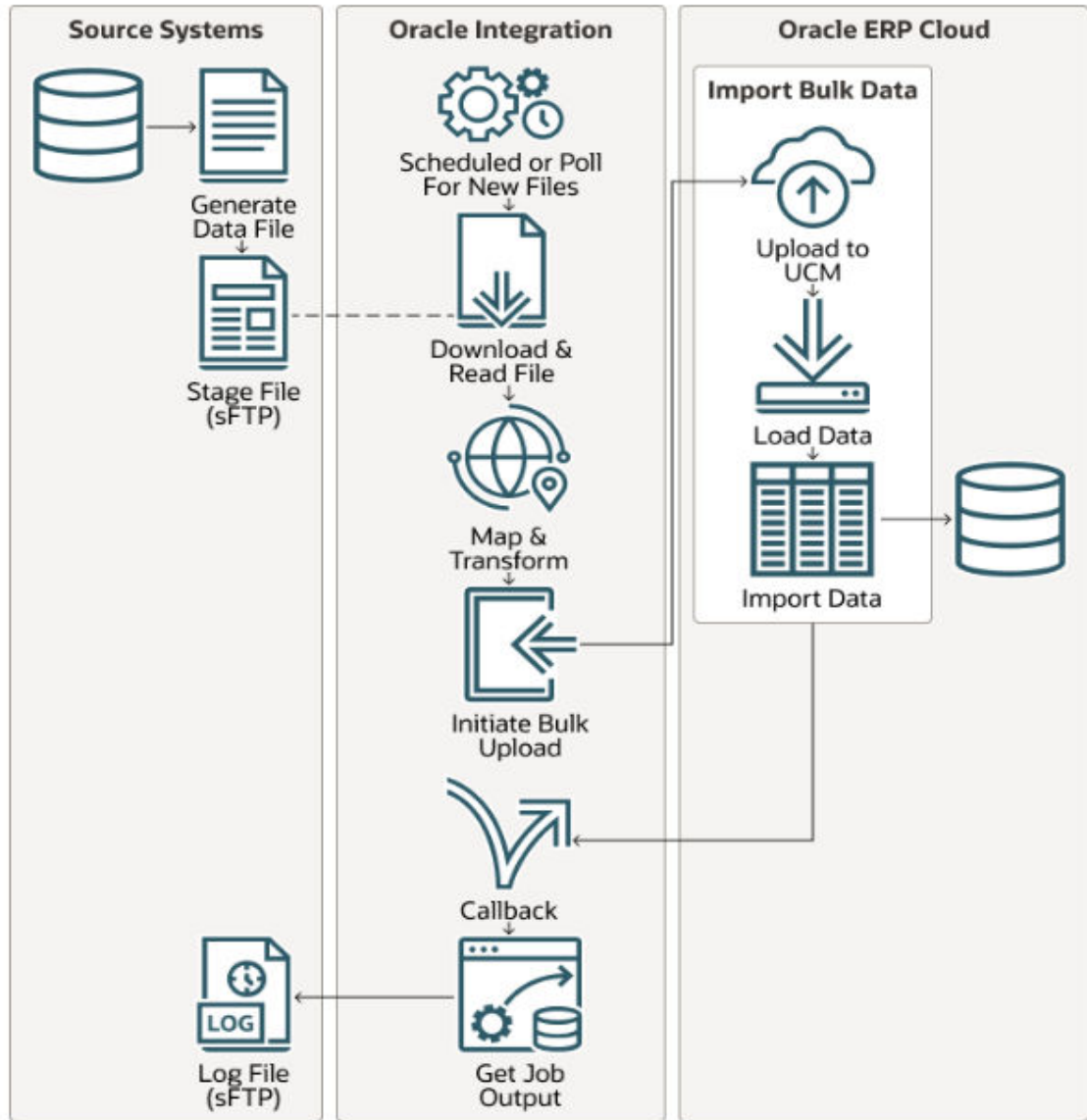
- Oracle Integration, Version 21.4.2.0.0 or higher
- Oracle ERP Cloud, Version 21d or higher
- Accounts on Oracle ERP Cloud with the Administrator role and the Accounts Payable Invoice Supervisor/Accounts Payable Manager/Accounts Payable Specialist role (in order to check for payment requests)
- A secure FTP (sFTP) server or File Server
- An FTP client to access the sFTP server.

Recipe Schema

This section provides an architectural overview of the recipe.

The primary integration flow (**Oracle FTP ERP Cloud Payment Request**), when triggered by an execution schedule or a manual submission, queries the FTP server for a payment request file (.zip). If a file is found, the integration flow processes the file. Initially, the flow maps the file's layout to the layout required by Oracle ERP Cloud, and then it imports the payment requests in bulk through the ERP Adapter.

After importing the payment request, Oracle ERP Cloud makes a callback to the secondary integration flow (**Oracle FTP ERP Cloud Payment Request Callback**), which downloads the log files from Oracle ERP Cloud and places them on the FTP server.



2

Before You Install the Recipe

You must perform the following configuration tasks on your FTP server and Oracle ERP Cloud instances in order to successfully connect to these external systems using Oracle Integration and load payment requests.

Access Your FTP Server and Upload the Files

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 from which to read the files. Note the path of this directory.
3. Upload a payment-request file (.zip) into the directory you've created. You must name the file as `apPaymentRequest.zip`.

Note:

The .zip file must contain two files by the name, `apPaymentRequest.properties` and `apPaymentRequest.csv`. For details on the structure of these files, see [Appendix A: Payment Request File Definition](#).

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 the following roles to the user account. For more information on these roles, see [Assign Required Roles to an Integration User](#).
 - Integration Specialist
 - AttachmentsUser
 - SOAOperator
 - FND_MANAGE_CATALOG_SERVICE_PRIV
 - Payables Invoice Creation


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 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 .
User Name	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** .

Configure the Oracle ERP Cloud 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`.

- 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.

- Click **Save**. If prompted, click **Save** again.
- 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.


- To return to the project workspace, click **Go back** .

Configure the Lookup Table

Edit the lookup table to specify the FTP server directory from which the file must be read, the name of the file to be read, and an email ID to receive error messages.

- In the Lookups section, click the lookup name.
- In the lookup table, enter the following information.

Property Name	Information to Enter
FTPImportFileName	Specify the name of the file to be read from the FTP server. For example, <code>apPaymentRequest</code> . See Access Your FTP Server and Upload the Files .
emailErrorNotificationTo	Enter an email ID of your choice.
FTPImportDirectory	Specify the path of the directory on your FTP server from where the file must be read. For example: <code>/home/user2/FTP</code> .

- Click **Save**. If prompted, click **Save** again.
- 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. Run the recipe.
 - a. In the Integrations section of the project workspace, click **Actions**  on the integration flow (**Oracle FTP ERP Cloud Payment Request**), then select **Run**.
 - 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. Check for the new payment request on Oracle ERP Cloud.
 - a. Log in to the Oracle ERP Cloud instance using a separate account, for example, as a user with the Accounts Payable Invoice Supervisor/Accounts Payable Manager/Accounts Payable Specialist role.
 - b. Navigate to the Invoice Dashboard screen.
 - c. In the **INVOICE NUMBER** search field, enter the value of the **INVOICE NUMBER** field that's in your interface file, and click **Search**. The imported payment-instruction invoice is displayed.
5. On your FTP server, check the log files from Oracle ERP Cloud.
 - a. Log in to the server and navigate to your directory.

You'll find a file with the following name: `apPaymentsRequest.zip_dateandtimr.zip`.
 - b. Download this file from the FTP server to your local system.
 - c. Unzip the file and inspect the log files present within.

Related Documentation

- [Using the FTP Adapter with Oracle Integration 3](#)
- [Using the Oracle ERP Cloud Adapter with Oracle Integration 3](#)

- *File-Based Data Import (FBDI) for Financials*
- *How Payables Payment Request Import Data is Processed*
- *Definition of Available Fields in the Payment Request Integration*

A

Appendix : Payment Request File Definition

This section describes the file layout used by the primary integration flow (**Oracle FTP ERP Cloud Payment Request**) of the recipe. This integration flow is configured to look for a `.zip` file on your sFTP server. The `.zip` file must contain the following two files:

- `apPaymentRequest.properties`
- `apPaymentRequest.csv`

Definition: `apPaymentRequest.properties`

This file tells Oracle ERP Cloud how to process and validate the payment requests. This file is in the `.csv` format.

Parameter	Value
Program Location	<code>oracle/ apps/ess/financials/payables/invoices/ transactions/</code>
Program	<code>APXPRIMPT</code>
Interface	The file name to be loaded, this will be the the name placed within the <code>FTPImportFileName</code> lookup without the <code>.zip</code> suffix. For example: <code>apPaymentRequest</code> .
Business Unit	Setup and Maintenance/Manage Business Unit.
Accounting Date	Enter an accounting date. If you don't enter a date, the Accounting Date is based on the Accounting Date Basis option.
Oracle_Int1	Hard-coded internal value set to <code>1000</code> .
Source	For Payment Requests, this is always <code>ONE_TIME_PAYMENTS</code> .
Import Set	Name of an import set to limit the import.
Purge	Yes, for Payables to delete records that match the Source and Group ID of this import. No, to keep all the records except the rejected records.
Summarise	Enter whether to summarize the audit portion of the Payables Payment Request Interface Import Report.
Ledger	Setup and Maintenance/Manage Primary Ledgers.
Invoice Group	Enter the name of an invoice group.
Oracle_Int2	Hard-coded internal value set to <code>1</code> .

Example Values: apPaymentRequest.properties

The following table provides an example set of values for the parameter file. Ensure that you enter the values specific to your configuration in the Interface, Business Unit, and Ledger fields.

Parameter	Value
Program Location	oracle/apps/ess/financials/payables/invoices/transactions/
Program	APXPRIMPT
Interface	apPaymentRequest
Business Unit	300000047498175
Accounting Date	null
Oracle_Int1	1000
Source	ONE_TIME_PAYMENTS
Import Set	null
Purge	N
Summarise	N
Ledger	300000047488112
Invoice Group	null
Oracle_Int2	1

Example File: apPaymentRequest.properties

This section provides an example parameter file, with the name: `apPaymentRequest.properties`.

The file name must be same as the value entered in the Interface field within the file, with `.properties` as suffix.

Example File:

```
ProgramLocation,Program,Interface,BusinessUnit,AccountingDate,Oracle_Int1,Source,
ImportSet,Purge,Summarise,Ledger,InvoiceGroup,Oracle_Int2 /oracle/apps/ess/
financials/payables/invoices/
transactions/,APXPRIMPT,apPaymentRequest,300000047498175,null,1000,ONE_TIME_PAYME
NTS,null,N,N,300000047488112,null,1
```

Definition: apPaymentRequest.csv

This file contains the payment requests that are paid through Oracle ERP Cloud. The file provided here is an example, containing the minimum set of data required to load a payment request.

Prepare this file in the `.csv` format, using the following structure:

Parameter	Description
Transaction Identifier	Identifier that uniquely identifies a payment request line record.

Parameter	Description
Party Name	Name of the party to whom the payment is to be made.
Party Original System Reference	Party reference from the original system or external source.
Party Type	Type of party receiving the payment.
Location Original System Reference	Original system reference for the party site address.
Country	Location of the address by country.
Address Line 1	First line of the party address.
Address Line 2	Second line of the party address.
City	City of party to whom the payment is to be made.
State	State of party to whom the payment is to be made.
Province	Province of party to whom the payment is to be made.
County	County of party to whom the payment is to be made.
Postal Code	Postal code of party to whom the payment is to be made.
Postal Plus 4 code	Four-digit extension to postal code.
Addressee	Person or recipient located at the address.
Global Location Number	Number that uniquely identifies each global location in a trading-partner enterprise.
Language	Operating language of the party-site address.
Phone Country Code	Country code for the telephone number.
Phone Area Code	Area code for address phone number.
Phone	Phone number of the party receiving payment.
Phone Extension	Phone extension of the party receiving payment.
Payee E-Mail address	E-mail address of the payee to whom the payment is to be made.
Party Tax Registration Number	Unique identifier assigned to a party or party site by a tax authority.
Account Country Code	Country code of the bank account of payee.
Account Currency Code	Currency code of the bank account of payee.
Account Number	Bank account number of the payee.
IBAN	International Bank Account Number of payee.
Secondary Account Reference	Account number reference such as Building Society Roll Number.
Account Suffix	One to three digit number at the end of the account number that determines the kind of account.
Account Name	Name of the payee bank account.
Account Type Code	Type of bank account, such as SAVINGS and CHECKING.
Bank Name	Name of the payee bank to whom the payment is to be made.
Bank Number	Number of the payee bank to whom the payment is to be made.
Bank Branch Name	Name of the branch of the payee bank.
Bank Branch Number	Number of the bank branch. This is known as the routing transit number in US and Canada.
BIC	SWIFT or Bank Identification Code (BIC) of the bank branch.
Check Digits	One or more digits used to validate a bank account number.
Account Description	Description of the payee bank account.
Account Alternate Name	Alternate account name of the bank account of payee.
Business Unit	Sold-to business unit name for which the transaction is being created.

Parameter	Description
Source	Name of the external system from which a payment request is imported.
Invoice Number	Unique number for payment request.
Invoice Date	Date on which payment request is submitted.
Currency	Currency of the payment request.
Description	Information describing the invoice created for payment.
Import Set	Name or number assigned to the import set containing payment requests.
Legal Entity	The name of the legal entity that belongs to your own corporate structure (enterprise).
Payment Terms	Name of the payment terms used to create installments and to calculate due dates, discount dates, and discount amounts for each invoice.
Payment Method	Code identifying the payment method.
Pay Group	Used to group payment requests into a single pay run.
Liability Combination	Account to which liability is recorded in accrual basis of accounting.
Line Number	The number of the invoice line.
Amount	The invoice line amount to import for payment.
Line Description	Line description.
Distribution Combination	Account combination used for creating invoice distribution.

Example Values: apPaymentRequest.csv

The following table provides an example set of values for the payment-request file.

Parameter	Description
Transaction Identifier	100109
Party Name	Fred Jones
Party Original System Reference	OTP-PTY-100109
Party Type	ORGANIZATION
Location Original System Reference	OTP-PTY-100109
Country	GB
Address Line 1	Oracle Parkway
Address Line 2	Thames Valley Park
City	Reading
State	UK
Province	N/A
County	N/A
Postal Code	RG6
Postal Plus 4 code	1RA
Addressee	N/A
Global Location Number	N/A
Language	N/A
Phone Country Code	N/A

Parameter	Description
Phone Area Code	N/A
Phone	N/A
Phone Extension	N/A
Payee E-Mail address	fred.jones@emaildomain.com
Party Tax Registration Number	N/A
Account Country Code	GB
Account Currency Code	GBP
Account Number	99453336
IBAN	N/A
Secondary Account Reference	N/A
Account Suffix	N/A
Account Name	F Jones
Account Type Code	N/A
Bank Name	HSBC
Bank Number	N/A
Bank Branch Name	Reading
Bank Branch Number	754322
BIC	N/A
Check Digits	N/A
Account Description	N/A
Account Alternate Name	N/A
Business Unit	UK Business Unit
Source	ONE_TIME_PAYMENTS
Invoice Number	OTP-FJONES-109
Invoice Date	2021/11/09
Currency	GBP
Description	Refund
Import Set	GBP,Refund,,UK Legal
Legal Entity	UK Legal Entity
Payment Terms	Immediate
Payment Method	N/A
Pay Group	N/A
Liability Combination	303.30.2210.000.000.000
Line Number	1
Amount	20
Line Description	One time payment lines
Distribution Combination	303.30.7740.000.000.000