Informatica®

Informatica® Cloud Data Integration

Oracle Financials Cloud V1 Connector

Informatica Cloud Data Integration Oracle Financials Cloud V1 Connector
November 2023

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Publication Date: 2024-05-02

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Preface

Use *Oracle Financials Cloud V1 Connector* to learn how to read from or write to the Oracle Financials Cloud application by using Cloud Data Integration. Learn to create an Oracle Financials Cloud V1 connection, develop and run mappings and mapping tasks in Cloud Data Integration.

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CHAPTER 1

Introduction to Oracle Financials Cloud V1 Connector

You can use Oracle Financials Cloud V1 Connector to connect to Oracle Financials Cloud application from Data Integration. Use Oracle Financials Cloud V1 Connector to read data from or write data to the Oracle Financials Cloud application.

You can use Oracle Financials Cloud V1 Connector in a Source and Target transformation. You can also use Oracle Financials Cloud V1 Connector midstream in a mapping through a Web Services transformation to call a Oracle Financials Cloud business service.

You can switch mappings to advanced mode to include transformations and functions that enable advanced functionality.

Note: Oracle Financials Cloud V1 Connector does not support lookup and partition.

Oracle Financials Cloud V1 Connector assets

Create assets in Data Integration to integrate data using Oracle Financials Cloud V1 Connector.

When you use Oracle Financials Cloud V1 Connector, you can include the following Data Integration assets:

- Mapping
- Mapping task

For more information about configuring assets and transformations, see *Mappings*, *Transformations*, and *Tasks* in the Data Integration documentation.

CHAPTER 2

Oracle Financials Cloud V1 connections

Create an Oracle Financials Cloud V1 connection to connect to the Oracle Financials Cloud application. Use Oracle Financials Cloud V1 connection to read data from and write data to the Oracle Financials Cloud application. You can use an Oracle Financials Cloud V1 connections to specify sources or targets in mappings and mapping tasks.

You can create an Oracle Financials Cloud V1 connection in the **Connections** page.

Prerequisites

Before you create an Oracle Financials Cloud V1 connection to read from or write to Oracle Financials Cloud application, be sure to complete the prerequisites.

Access the XLSM template files

To write to the Oracle Financials Cloud application, access the XLSM template files and CTL files for objects that require control files.

1. Select the specific Oracle Financials Cloud instance version from the **File-Based Data Import for Financials** page in the Oracle documentation.

   For example, to access the XLSM template in the Oracle Financials Cloud instance 20A, go to the following URL:

   https://docs.oracle.com/en/cloud/saas/financials/20a/oefbf/overview.html#overview
2. Select the required operation that you want to use that are listed under the **File-Based Data Imports** section.
   The selected operation page appears.
3. Click the XLSM template file link to download the XLSM template file of the operation from the **File Links** section.
   The following image shows a sample XLSM template file link that you download from the **File Links** section:


File Links

File	Link
XLSM template	AutoInvoiceImportTemplate.xlsm

4. Ensure that you have access to the Secure Agent machine or to the directory path that you have specified in the **IO Directory** connection property.
5. Place the XLSM template file in the following directory path that is specified in the **IO Directory** connection property: `IO Directory/Writer/Schema`
   For the following write objects, place the XLSM template file and the CTL file in the directory:
   - Billing Data Import
   - Revenue Basis Data Import
   - AutoInvoice Import

   Note: To create a mapping using the operation that you selected, retain the name of the XLSM template file or the CTL file as provided by Oracle. Only when you retain the file names, the file names appear in the **Object Selection** window.

Get the ERP endpoint URL

Get the ERP Integration Service end point URL to read from or write data to Oracle Financials Cloud application.

1. In the Oracle Financials Cloud application, click **Navigator**.
2. Click **Developer Connect** in the **Tool** section.
3. In the **WebServices** section, type **ERP Integration Service** in the **Find** field.
   The **Web Service: ERP Integration Service: Summary** page appears that displays the ERP Endpoint URL.
   The following example shows a sample ERP Integration Service end point URL:

   ```
   https://adc-fap0011-fin.oracledemos.com:443/publicFinancialCommonErpIntegration/ErpIntegrationService
   ```
4. Edit the URL by removing the following path: `443/publicFinancialCommonErpIntegration/ErpIntegrationService`
   The following URL is a sample of the ERP Endpoint URL:

   ```
   https://adc-fap0011-fin.oracledemos.com
   ```

Connect to Oracle Financials Cloud

Let's configure the Oracle Financials Cloud V1 connection properties to connect to Oracle Financials Cloud.

Before you begin

Before you configure a connection, access the XLSM template file and obtain the ERP Endpoint URL of the Oracle Financials Cloud application.

Check out Prerequisites to learn more about these tasks.

Connection details

The following table describes the basic connection properties:

Property	Description
Connection Name	Name of the connection. Each connection name must be unique within the organization. Connection names can contain alphanumeric characters, spaces, and the following special characters: _ . + -, Maximum length is 255 characters.
Description	Description of the connection. Maximum length is 4000 characters.
Type	Oracle Financials Cloud V1
Runtime Environment	The name of the runtime environment where you want to run tasks. Specify a Secure Agent, Hosted Agent, or serverless runtime environment.
ERP Endpoint URL	The endpoint URL of the Oracle Financials application server. **Note:** To validate the ERP Endpoint URL, type the following URL in the web browser: `<ERP Endpoint URL>/publicFinancialCommonErpIntegration/ErpIntegrationService?WSDL` The URL should open a WSDL file that indicates that the ERP Endpoint URL is valid.
Authentication Type	The type of user authentication to connect to the Oracle Financials Cloud application. Select **Basic Authentication** type.
Username	User name of the Oracle Financials Cloud account.
Password	Password for the Oracle Financials Cloud account.
IO Directory	The directory path where the schema files and data are stored. Store the schema files in the Secure Agent machine. Click the **Test** button after you create an Oracle Financials Cloud V1 connection. The Secure Agent creates following directories under the IO directory: - **Reader**: The reader directory contains an **Output** sub-directory. The `.csv` file that you download from the Oracle Financials Cloud application is downloaded as a ZIP file and stored in the following directory: `IO Directory\Reader\Output` **Note:** You can override the directory path where you download the `.csv` file in the **Outbound_Output_Directory** advanced property field. - **Writer**: The writer directory contains **Logs** and **Schema** sub-directories. Place all the XLSM and CTL files after you download them in the following directory: `IO Directory\Writer\Schema` - **Temp**: The temp directory contains a **WorkingDirectory** sub-directory that contains the staging files.

Encryption mode

To access Oracle Financials Cloud, configure PGPUNSIGNED and PGPSIGNED encryption modes. Default is None.

Select the required encryption mode to encrypt or decrypt the data when you run a mapping to write data to a target.

PGPSIGNED

Encrypts and signs the data using the PGP encryption method.

The following table describes the basic connection properties for PGP encryption method:

Property	Description
PassPhrase	The passphrase to encrypt the private key.
PrivateKey Path	The file path of the private key. Store the private key on the Secure Agent machine. Provide the private key corresponding to the public key that you uploaded in the Oracle Financials Cloud application.
ERP Public Key Path	The file path of the fusion public key. Store the fusion public key on the Secure Agent machine. You can use the file path of the fusion public key when you run a mapping to write data to a target. Raise a service request to Oracle Financials Cloud to get the fusion public key. For more information about the fusion public key, see the Oracle documentation.
ERP Private Key Alias Name	The fusion key alias name that you provided when you generated the private-public key pair in the Oracle Financials application. You can use the fusion key alias name when you run a mapping to write data to a target.
Customer Public Key Alias Name	The customer public key alias name that you provided when you uploaded the public key in the Oracle Financials application.

PGPUNSIGNED

Encrypts data using the PGP encryption method. Use the same encryption key that you configured in the Oracle Financials Cloud application.

The following table describes the basic connection properties for PGP encryption method to read from Oracle Financials Cloud:

Property	Description
PassPhrase	The passphrase to encrypt the private key.
PrivateKey Path	The file path of the private key. Store the private key on the Secure Agent machine. Provide the private key corresponding to the public key that you uploaded in the Oracle Financials Cloud application.
Customer Public Key Alias Name	The customer public key alias name that you have provided when you uploaded the public key in the Oracle Financials application.

The following table describes the basic connection properties for PGP encryption method to write to Oracle Financials Cloud:

Property	Description
PassPhrase	The passphrase to encrypt the private key.
ERP Public Key Path	The file path of the fusion public key. Store the fusion public key on the Secure Agent machine. You can use the file path of the fusion public key when you run a mapping to write data to a target. Raise a service request with Oracle Financials Cloud to get the fusion public key. For more information about the fusion public key, see the Oracle documentation.
ERP Private Key Alias Name	The fusion key alias name that you provided when you generated the private-public key pair in the Oracle Financials application. You can use the fusion key alias name when you run a mapping to write data to a target.

Proxy server settings

If your organization uses an outgoing proxy server to connect to the internet, the Secure Agent connects to Informatica Intelligent Cloud Services through the proxy server.

You can configure the Secure Agent to use the proxy server on Windows and Linux. You can use only an unauthenticated proxy server. The proxy settings applies to connections used in mappings and in mappings in advanced mode.

To configure the proxy settings for the Secure Agent, use one of the following methods:

- Configure the Secure Agent through the Secure Agent Manager on Windows or shell command on Linux.

  For instructions, see the topics "Configure the proxy settings on Windows" or "Configure the proxy settings on Linux" in *Getting Started* in the Data Integration help .
- Configure the JVM options for the DTM in the Secure Agent properties. For instructions, see the Proxy server settings Knowledge Base article.

To configure the proxy settings for the serverless runtime environment, see "Using a proxy server" in *Runtime Environments* in the Administrator help.

CHAPTER 3

Mappings and mapping tasks with Oracle Financials Cloud V1 Connector

Use the Data Integration Mapping Designer to create a mapping. In advanced mode, the Mapping Designer updates the mapping canvas to include transformations and functions that enable advanced functionality.

Oracle Financials Cloud V1 source transformation in mappings

When you configure a Source transformation, select an Oracle Financials Cloud V1 connection and choose an Oracle Financials Cloud operation to represent an Oracle Financials Cloud V1 source.

When you read data from the Oracle Financials Cloud application and write data to a target, the target contains only the status of the read operation. The `.csv` files are downloaded as a zip in the following directory on the Secure Agent machine: `IO Directory\Reader\Output`

To access the `.csv` files, you must have the access to the directory or the Secure Agent machine.

Source Transformation properties

You can use one or more Source transformations in a mapping.

General

Use to configure the name and a description for the source.

Source

Use to select the connection and operation. You can configure the request options and advanced source properties.

Field Mapping

Use to map elements of the response structure with the output fields.

Fields

Use to edit the source field metadata that you want to use in the mapping.

Oracle Financials Cloud V1 advanced source properties in mappings

In a mapping, you can configure or create a Source transformation and configure the advanced properties in the **Source** page of the Mapping Task wizard.

The following table describes the advanced properties that you can configure in a Source transformation:

Property	Description
Inbound_Parameter_List	Enter the values of the argument in order and use a comma to separate the argument values for the selected object. For example, enter the value in the following manner: 300000046975980,Balance Transfer,300000046975971,ALL,N,N,N For more information about obtaining the value of the **Inbound_Parameter_List** property, see https://kb.informatica.com/howto/6/Pages/20/519421.aspx?myk=519421 **Note:** Use this property when you run a mapping to write data to a target.
Outbound_Output_Directory	Enter the directory path where you want to download the `.csv` files on the machine that runs the Secure Agent . By default, the `.csv` files are downloaded as a zip file in the `IO Directory\Reader\Output` directory. If you provide a directory path in this property, the Secure Agent downloads the `.csv` files in the directory path that you specify here and ignores the default directory path. **Note:** Use this property when you run a mapping to read data from a source.
Timeout_Value	Specify the time in seconds for the connector to wait and initiate download of output logs and data. Default is 300 seconds.
Tracing Level	Amount of detail that appears in the log for the Source transformation. Use the following tracing levels: - Terse - Normal - Verbose Initialization - Verbose Default is normal.
Cache Size for Web Service Response (KB)	Not Applicable. **Note:** Do not change the value of this property unless Informatica Global Customer Support instructs you to do so.

Source Transformation mapping example

You can map an Oracle Financials Cloud V1 source to a target and use the mapping to perform a mapping task.

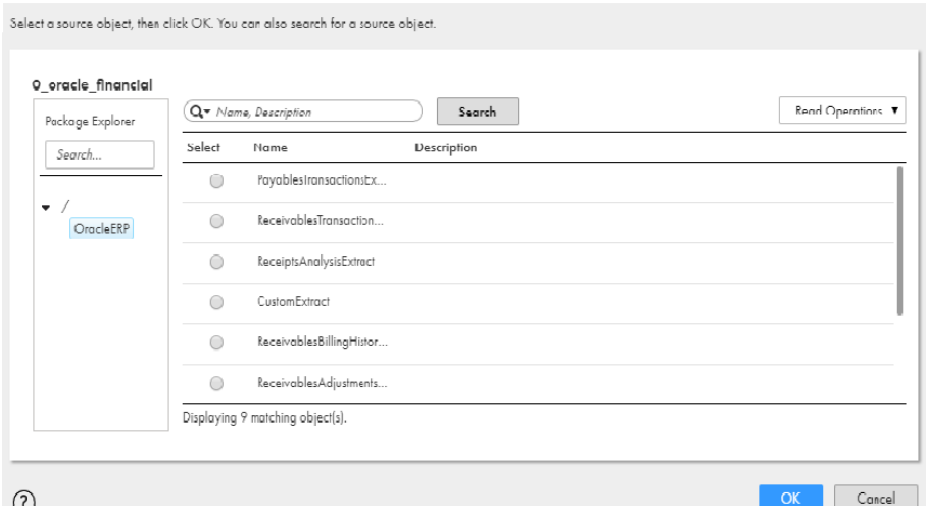
To read and download the data from the Oracle Financials Cloud application, perform the following tasks:

1. In Data Integration, click **New** > **Mapping** > **Create**.

   The **New Mapping** dialog box appears.
2. Enter a name and description for the mapping.
3. On the **Source** tab, perform the following steps:
   1. In the general properties, specify a name and description.
      The following image shows a sample of the Oracle Financials Cloud V1 mapping:



   2. In the **Connection** field, select the configured Oracle Financials Cloud V1 connection to connect to the Oracle Financials Cloud application.
      a. In the **Operation** field, select the required object in the **Package Explorer** section and select the required operation.
      The following image shows the list of the read operations:



      Note: If you select the Custom Extract operation, you can provide your own custom arguments.
   3. In the **Request Options** section, click **Configure** to configure the request message.
      Specify the request message and attributes in the XML format. Request messages are different for each of the objects. When you read data from the Oracle Financials Cloud application, you can extract the data using the following extract modes:

      - FULL_EXTRACT

      - INCREMENTAL_EXTRACT

      - INCR_DATE_UPDATE

- REGISTER_CUSTOM_EXTRACT

- RERUN_MODE

If you do not provide any argument value in the request message, the Secure Agent sets the P_EXTRACT_MODE extract mode to FULL_EXTRACT extract mode and sets the P_EXTRACT_NAME extract mode to the object name that you have selected.

The following example shows a sample request message for the `Receivable Adjustment Extract` object:

```
<!--1 or more repetitions:-->
<proc:REQUEST_MESSAGE_INPUT xmlns:proc="http://xml.schemas/infa/procedure/">
  <!--1 or more repetitions:-->
  <P_ORG_ID>
    300000046987012
  </P_ORG_ID>
  <!--1 or more repetitions:-->
  <P_ORDER_BY>
    ADJUSTMENT_NUMBER
  </P_ORDER_BY>
  <!--1 or more repetitions:-->
  <P_ADJ_NUMBER_LOW>
    <!--STRING-->
  </P_ADJ_NUMBER_LOW>
  <!--1 or more repetitions:-->
  <P_ADJ_NUMBER_HIGH>
    <!--STRING-->
  </P_ADJ_NUMBER_HIGH>
  <!--1 or more repetitions:-->
  <P_TRX_NUMBER_LOW>
    <!--STRING-->
  </P_TRX_NUMBER_LOW>
  <!--1 or more repetitions:-->
  <P_TRX_NUMBER_HIGH>
    <!--STRING-->
  </P_TRX_NUMBER_HIGH>
  <!--1 or more repetitions:-->
  <P_TAX_REGISTRATION_NUMBER>
    <!--STRING-->
  </P_TAX_REGISTRATION_NUMBER>
  <!--1 or more repetitions:-->
  <P_EXTRACT_MODE>
    FULL_EXTRACT
  </P_EXTRACT_MODE>
  <!--1 or more repetitions:-->
  <P_INCR_EXPORT_DATE>
    <!--DATE-->
  </P_INCR_EXPORT_DATE>
  <P_EXTRACT_DATE_FROM>
    <!--DATE-->
  </P_EXTRACT_DATE_FROM>
  <!--1 or more repetitions:-->
  <P_EXTRACT_DATE_TO>
    <!--DATE-->
  </P_EXTRACT_DATE_TO>
  <!--1 or more repetitions:-->
  <P_EXTRACT_NAME>
    ReceivablesAdjustmentsExtract
  </P_EXTRACT_NAME>
  <!--1 or more repetitions:-->
  <P_PARENT_EXTRACT_NAME>
    <!--STRING-->
  </P_PARENT_EXTRACT_NAME>
</proc:REQUEST_MESSAGE_INPUT>
```

For the arguments that you did not provide values in the request message, the Secure Agent considers the values of the argument as null. By default, the Secure Agent considers the value of the

second last argument as the operation name. However, if you provide the value of the second last argument in the request message then the Secure Agent considers the value that you provide.

Note: If you encounter an error message when you validate the request message, you can ignore the error message and proceed. There is no impact in the output. However, if you want to remove the error message for the date type argument in the request message, you must provide the following XML code inside the date tag in the request message:

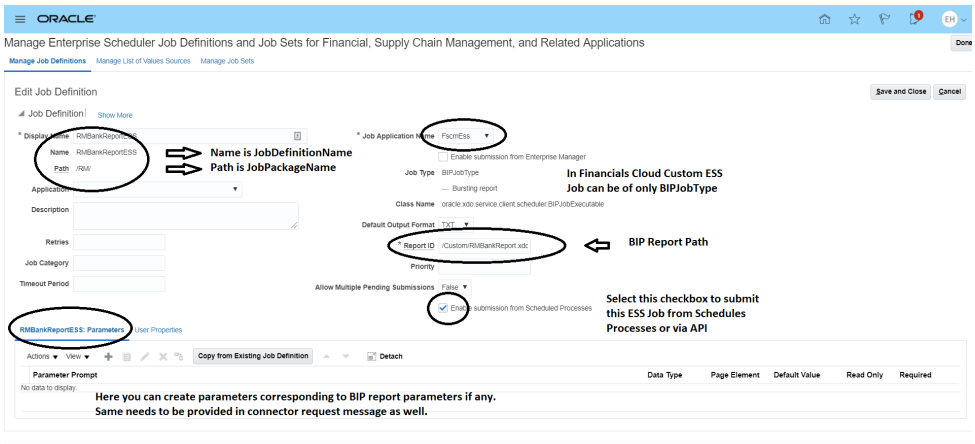
```
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"xsi:nil="true"
```

The following example shows a sample request message for the `Custom Extract` object:

```
<proc:REQUEST_MESSAGE_INPUT xmlns:proc="http://xml.schemas/infa/procedure/">
<!--1 or more repetitions:-->
<jobDefinitionName>
<!-STRING->
</jobDefinitionName>
<!--1 or more repetitions:-->
<jobPackageName>
<!-STRING->
</jobPackageName>
<!--1 or more repetitions:-->
<paramList>
<!-STRING->
</paramList>
</proc:REQUEST_MESSAGE_INPUT>
```

Note: When you configure the Custom Extract object, you must include the **jobDefinitionName**, **jobPackageName**, and **paramList** parameter. When you define the **paramList** parameter, include comma separated values and if there are no parameters defined, include **#NULL**. To access the Custom Extract object, create custom user defined ESS job in the Oracle Financials Cloud Application.

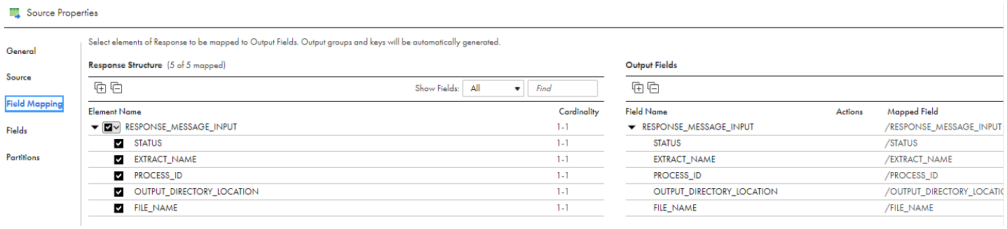
The following image shows the parameters defined in the Job Definition page:



4. On the **Field Mapping** tab, select the elements in the response structure that you want to map to the output fields.

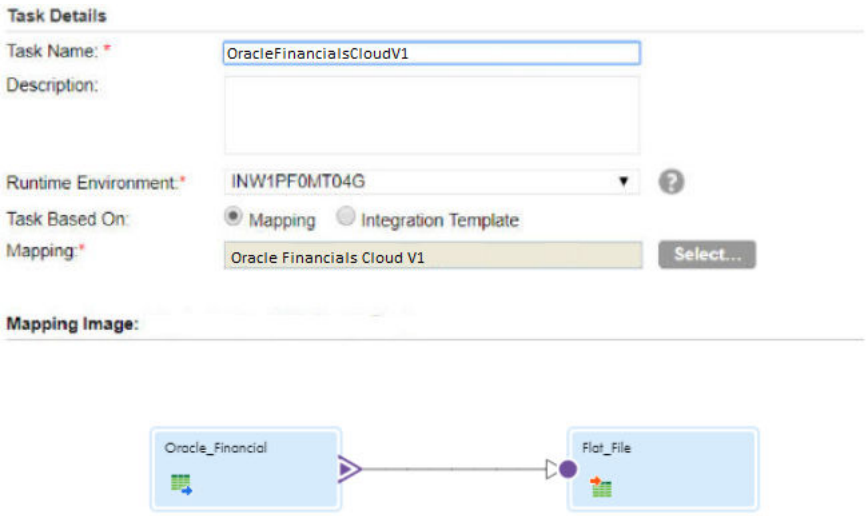
   Select the check box and expand the option. Select **Map All Decendants** > **Output Group** to choose the source from where you want to read.

The following image shows the response structure on the left pane in a hierarchical format and the output groups on the right pane in a relational format:



5. On the Target transformations, specify the target connection, target type, object, and operation for the target transformations.
6. Map the source and target.
7. Click **Save and Run** the mapping.
8. In Data Integration, click **New** > **Task**.
9. Click **Mapping Task** > **Create** and select the mapping for the task.

   The following image shows the Mapping Task wizard with the applied mapping:



Oracle Financials Cloud V1 target transformation in mappings

When you configure a Target transformation, select an Oracle Financials Cloud V1 connection and choose an Oracle Financials Cloud operation to represent an Oracle Financials Cloud V1 target.

Target transformation properties

You can use one or more Target transformations in a mapping.

When you select a target transformation, the **Properties** panel displays the following sections:

General

Use to configure the name and a description for the target.

Incoming Fields

Includes the field rules that define the data written to the target. Allows a preview of the target fields.

Target

Use to select the connection and the operation, and to configure the advanced target properties.

Target Fields

Not applicable for an Oracle Financials Cloud V1 targets.

Field Mapping

Use to define the field mappings from the upstream transformation to the target.

Oracle Financials Cloud V1 advanced target properties in mappings

In a mapping, you can configure or create a Target transformation and configure the advanced properties in the **Target** page of the Mapping Task wizard.

The following table describes the advanced properties that you can configure in a Target transformation:

Property	Description
Inbound_Parameter_List	Enter the values of the argument in order and use a comma to separate the argument values for the selected object. For example, enter the value in the following manner: 300000046975980,Balance Transfer,300000046975971,ALL,N,N,N For more information about obtaining the value of the **Inbound_Parameter_List** property, see https://kb.informatica.com/howto/6/Pages/20/519421.aspx?myk=519421 **Note:** Use this property when you run a mapping to write data to a target.
Outbound_Output_Directory	Enter the directory path where you want to download the `.csv` files on the machine that runs the Secure Agent . By default, the `.csv` files are downloaded as a zip file in the `IO Directory\Reader\Output` directory. If you provide a directory path in this property, the Secure Agent downloads the `.csv` files in the directory path that you specify here and ignores the default directory path. **Note:** Use this property when you run a mapping to read data from a source.

Property	Description
Timeout_Value	Specify the time in seconds for the connector to wait and initiate download of output logs and data. Default is 300 seconds.
Cache Size for Web Service Request (KB)	Not Applicable. **Note:** Do not change the value of this property unless Informatica Global Customer Support instructs you to do so.

Input settings properties

You can enable **Sorted Input** under **Input Settings**. Sorted Input indicates that input data is presorted. Default is disabled.

Enable sorted input for better performance.

Note: When **Sorted Input** is enabled and the input is not sorted, the Secure Agent does not process input and the mapping fails.

Target transformation mapping example

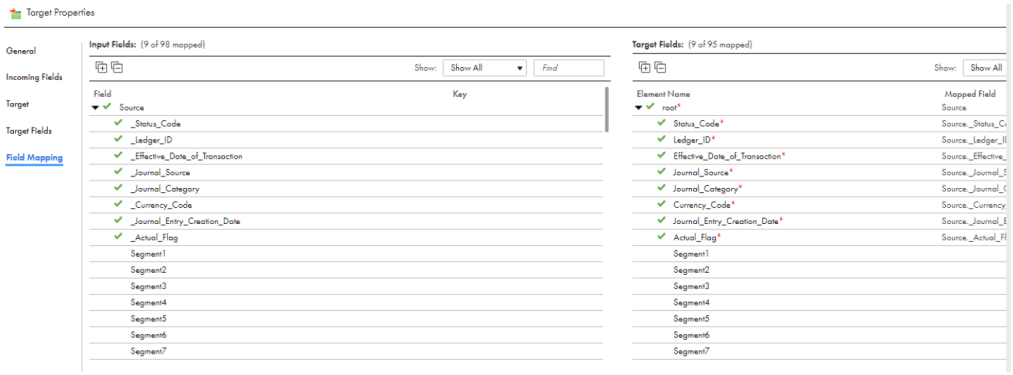
You can map a source to an Oracle Financials Cloud V1 target and use the mapping to perform a mapping task.

To read data from a source and write to an Oracle Financials Cloud V1 target, perform the following tasks:

1. In Data Integration, click **New** > **Mapping** > **Create**.

   The **New Mapping** dialog box appears.
2. Enter a name and description for the mapping.
3. On the Source transformation, specify a name and description in the general properties.
4. On the Target transformation and perform the following tasks on the **Target** tab:
   1. In the **Connection** field, select the Oracle Financials Cloud V1 connection to connect to Oracle Financials Cloud application.
   2. In the **Operation** field, select the required object in the **Package Explorer** section and select the required operation.
   3. In the **Advanced Properties** section, provide a value for the **Inbound_Parameter_List** property. You can set the cache size and the transaction commit interval.
5. On the **Field Mapping** tab, select the input elements to map to the target fields.

The following image shows all the mapped fields between the input file and the Oracle Financials Cloud V1 target:



6. Map the source and target.
7. Click **Save and Run** the mapping.
8. In Data Integration, click **New** > **Task**.
9. Click **Mapping Task** > **Create** and select the mapping for the task.

Oracle Financials Cloud V1 midstream transformation in mappings

Before you configure a midstream transformation, you must create a business service. Select an Oracle Financials Cloud V1 connection and choose an Oracle Financials Cloud operation when you create a business service.

Midstream transformation properties

When you configure the midstream transformation, select the business service and the operation on the **Web Service** tab.

When you select a midstream transformation, the **Properties** panel displays the following areas and information:

General

Use to configure the name and a description for the transformation.

Incoming Fields

Includes the field rules that define the data that you read from the source. Allows a preview of the source fields.

Web Service

Specifies the business service and the operation that you want to perform in an Oracle Financials Cloud application.

Request Mapping

Maps the incoming fields from source file to elements in request structure.

Response Mapping

Maps the selected elements from the response structure with the output fields. You can view the response structure on the **Response Mapping** tab. When you map the elements from the response structure to the output fields, the Secure Agent creates the output groups, along with the primary and foreign keys for the field names.

Output Fields

Displays the fields included in the mapping.

Advanced

The properties required to configure a midstream transformation.

Oracle Financials Cloud V1 advanced midstream properties in mappings

The following table describes the advanced properties that you can configure for a midstream transformation:

Property	Description
Inbound_Parameter_List	Enter the values of the argument in order and use a comma to separate the argument values for the selected object. For example, enter the value in the following manner: 300000046975980,Balance Transfer,300000046975971,ALL,N,N,N For more information about obtaining the value of the **Inbound_Parameter_List** property, see https://kb.informatica.com/howto/6/Pages/20/519421.aspx?myk=519421 **Note:** Use this property when you run a mapping to write data to a target.
Outbound_Output_Directory	Enter the directory path where you want to download the `.csv` files on the machine that runs the Secure Agent . By default, the `.csv` files are downloaded as a zip file in the `IO Directory \Reader\Output` directory. If you provide a directory path in this property, the Secure Agent downloads the `.csv` files in the directory path that you specify here and ignores the default directory path. **Note:** Use this property when you run a mapping to read data from a source.
Timeout_Value	Specify the time in seconds for the connector to wait and initiate download of output logs and data. Default is 300 seconds.
Cache Size for Web Service Request (KB)	Memory available for the web service request. If the request is more than 100 KB, you can increase the cache size. Default is 100 KB.
Cache Size for Web Service Response (KB)	Memory available for the web service response. If the web service response contains many rows or columns, you might want to increase the cache size. Default is 100 KB.
Allow Input Flush	Not applicable.
Transaction Commit Control	Not applicable.

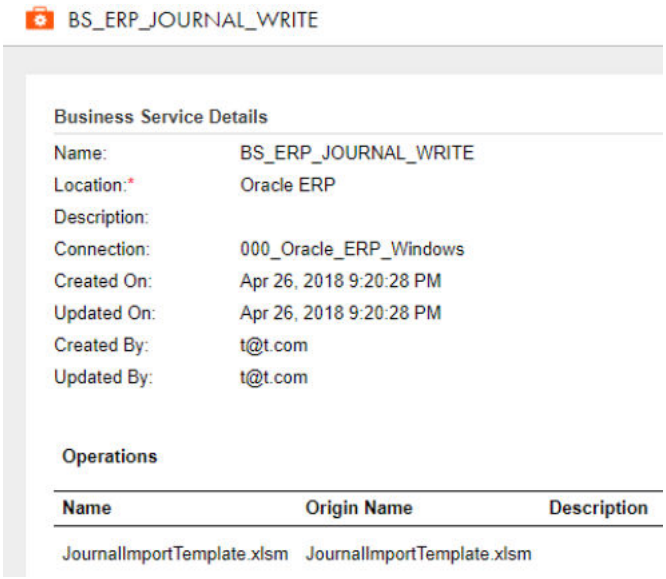
Midstream transformation mapping example

To read data from an Oracle Financials Cloud V1 source and to write the data to a flat file, perform the following tasks:

1. Create an Oracle Financials Cloud V1 connection to read data from an Oracle Financials Cloud V1 source.
2. In Data Integration, click **New** > **Components** > **Business Sevice**.

   The **Business Sevice Details** dialog box appears.

   The following image shows the configured business service that associates an Oracle Financials Cloud V1 connection and an operation:



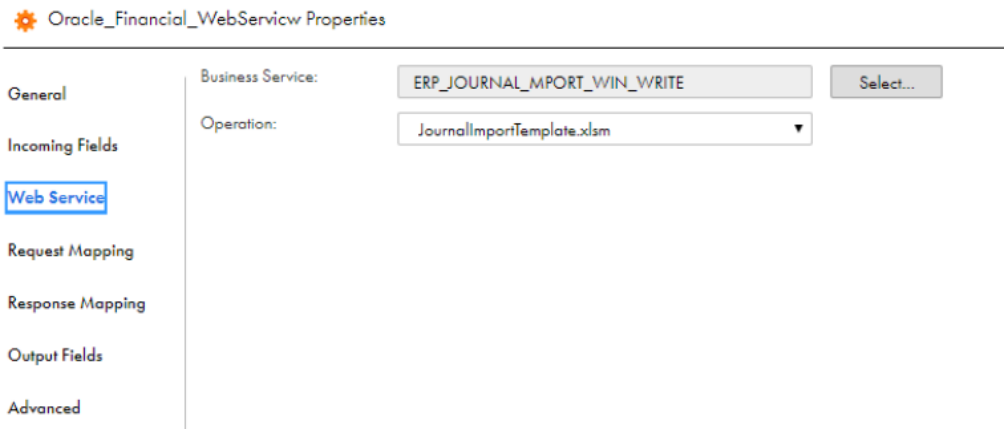
3. On the Web Services transformation, specify a name and description in the general properties.

   The following image shows the source, web service, and target in the Oracle Financials Cloud V1 mapping:



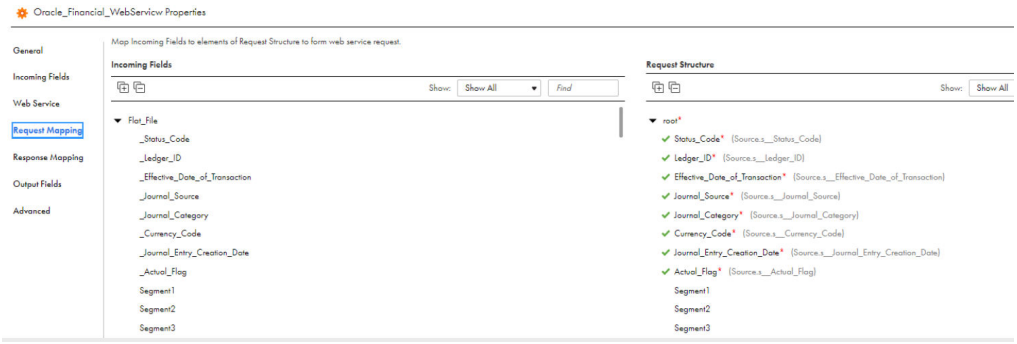
4. On the **Web Service** tab, select the business service and the operation that you configured.

The following image shows the configured web service:



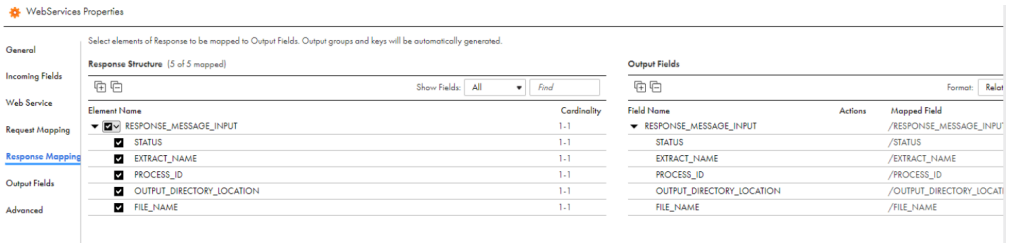
5. On the **Request Mapping** tab, map the incoming fields from the source to the elements of Request Structure to form a web service request.

   The following image shows the fields that you map:



6. On the **Response Mapping** tab, select the source details fields that you want to write to the target file on the **Response Structure**.

   The following image shows the source details fields that you want to write to the target file:

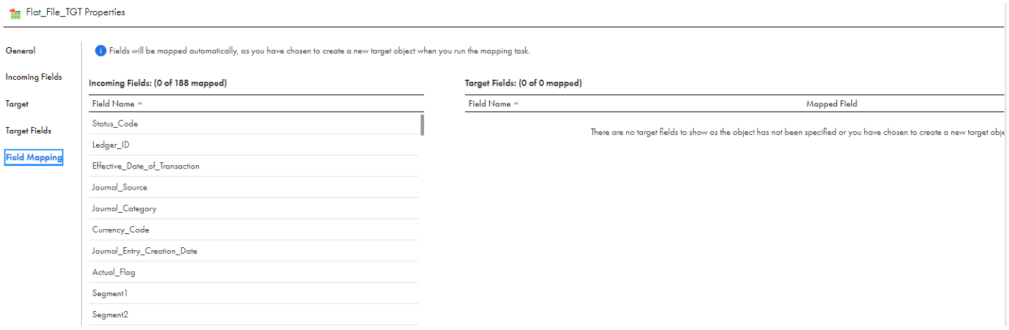


7. On the **Advanced** tab, provide the value for the required advanced property. You can specify the cache size details.

   The fields that you select from the **Response Structure** of the Web Service transformation appear as incoming fields for the target object.

8. If required, map the incoming fields to the flat file fields.

The following image shows the mapped fields between the source field and the target field:



9. Click **Task Wizards** > **Mapping Task**, and select the mapping for the task.
10. When you save and run the mapping, the Secure Agent reads the data that you map on the **Request Mapping** tab from the Oracle Financials Cloud application and writes the data to the corresponding flat files.

Rules and guidelines for midstream transformation in mappings

Use the following rules and guidelines when you run a midstream transformation in a mapping:

- When you use a midstream transformation to read data, you must map all the arguments in the request message from a source.
- You must use expressions to convert the values of the date/time argument to date.
- You must provide the value for the date type argument in the `YYYY-MM-DD` format.
- You must not provide a null value for the date type argument in the request message. You must provide a real or a dummy value for the date type argument in the request message. However, there might be an impact in the output.

Parameterization

You can parameterize the Oracle Financials Cloud V1 source connection, target connection, the request message in the Source transformation, and the field mapping in the Source transformation.

Note: Parameterization using a parameter file at runtime is not supported for Oracle Financials Cloud V1 Connector.

CHAPTER 4

Troubleshooting

Use the following sections to troubleshoot errors in Oracle Financials Cloud V1 Connector.

Troubleshooting Oracle Financials Cloud V1 tasks

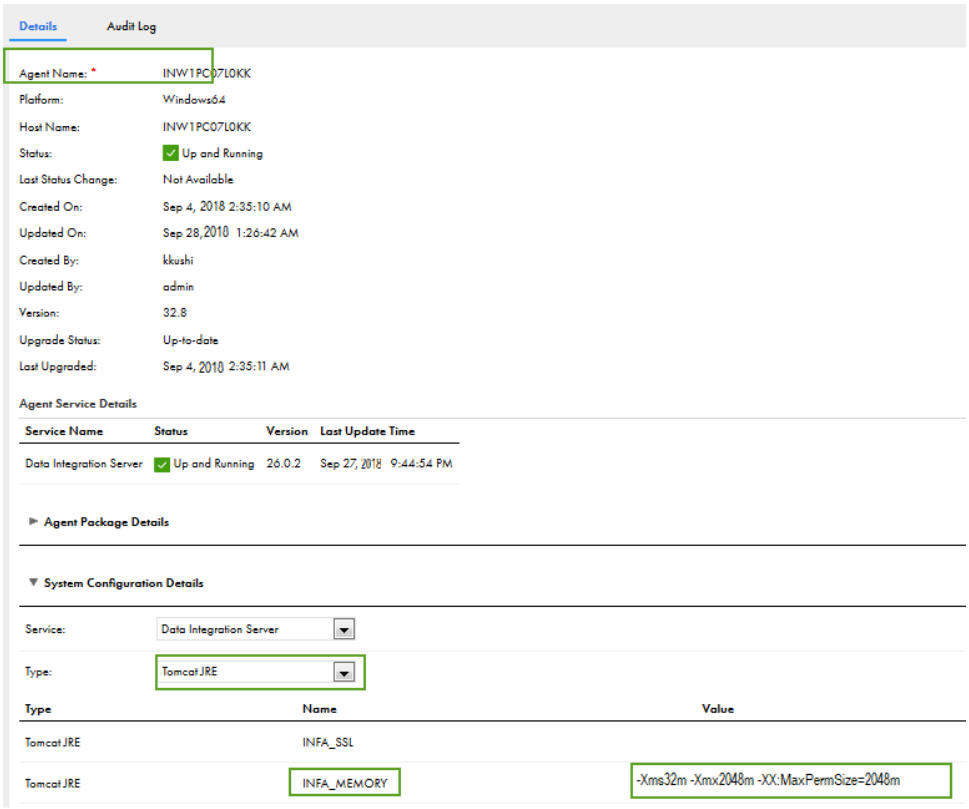
When you select an Oracle Financials Cloud write object and navigate to the Field Mapping tab, you might encounter the following error message: Unable to load metadata for <write object> operation

Additionally, you might also encounter the following error message in the tomcat.log file on the Secure Agent machine: Facing java.lang.OutOfMemoryError: GC overhead limit exceeded

To solve this issue, you must increase the performance and avoid runtime environment memory issues.

1. In Administrator, select **Runtime Environments**.
2. Select the Secure Agent for which you want to increase memory from the list of available Secure Agents.
3. In the upper-right corner, click **Edit**.
4. In the **System Configuration Details** section, select the **Type** as **TomCatJRE**.

5. Edit **INFA_memory** as **-Xms32m -Xmx2048m -XX:MaxPermSize=2048m**.
   The following image shows the **Agent Details** page:



   The minimum and maximum values for the Java heap size are given as an example. Specify the size according to your requirements.

   Note: You must wait for the Data Integration Service to load new values after you configure the Secure Agent.

The mapping task is successful but data is not loaded to the Oracle Financials endpoint

When you monitor a job, the status of a task that writes data to an Oracle Financials Cloud target object indicates success or failure for data import into the interface tables. To know the status of data load into the corresponding Oracle Financials Cloud target object, verify the final ESS job status on the Oracle Financials Cloud application.

You can check the status of the final ESS job on the Oracle Financials Cloud application by navigating to **Home** > **Navigator** > **Scheduled Processes.**

This is a third-party limitation.

When you write data to the Oracle Financials Cloud application containing the object type as Import Segment Values and Hierarchies, the Secure Agent writes incorrect data to the target.

When you use Oracle Financials Cloud V1 Connector to write data to the Oracle Financials Cloud application containing the object type as Import Segment Values and Hierarchies, the Secure Agent writes incorrect data to the target.

To resolve this issue, refer to the following KB article:
https://kb.informatica.com/solution/23/Pages/77/633949.aspx?myk=633949

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