

User Guide | Extract Bulk Data from ERP Cloud_Async

1. Introduction

a. Purpose

This document describes setting up an integration flow where a report from Oracle ERP Cloud is exported to Oracle Integration Cloud and from there it is uploaded to an FTP server.

It is a combination of scheduled and application driven orchestrations.

It makes use of a standard ERP, FTP and SOAP adapters in Oracle Integration Cloud.

b. Audience

This document is written for Oracle ERP Cloud and FTP servers administrators who are configuring the integration between these two systems. Readers of this document should have experience with both.

This document describes only how to configure integration of these two systems. For information about other configurations please see related documentation.

c. Prerequisites

This part describes the prerequisites for a successful integration.

Required Versions: A successful integration requires the following versions (or higher) of these products:

- Oracle Integration Cloud: 19.2.3.0.0 (190518.1400.28490)
- Oracle ERP Cloud: 19A (11.13.19.01.0)

Access Rights: To configure integration, you need to access three systems with required privileges:

- Oracle Integration Cloud Service, which enables you to map the attributes between Oracle ERP Cloud and an FTP server.
- Oracle ERP Cloud, which enables you to configure extracting data via SOAP adapter, receiving requests from an Invoke and to configure endpoint to send data from ERP to a Trigger.

Note: for ERP required privileges please see:

<https://docs.oracle.com/en/cloud/paas/integration-cloud/erp-adapter/prerequisites-creating-connection.html#GUID-B861559A-DECE-4F7B-82CA-AA48263CA159>

- FTP server, which enables you to write files exported from ERP.

Assumptions: this integration makes the following functional assumptions:

- It is assumed that the FTP server is configured and accessible.
- It is assumed that you know the file path in FTP and this path will be set in the integration's lookups.
- It is assumed that you have an access for creating an Enterprise Scheduled Job in ERP.

d. Architectural Overview

This integration is between the Oracle ERP Cloud and an FTP server infrastructures via Oracle Integration Cloud.

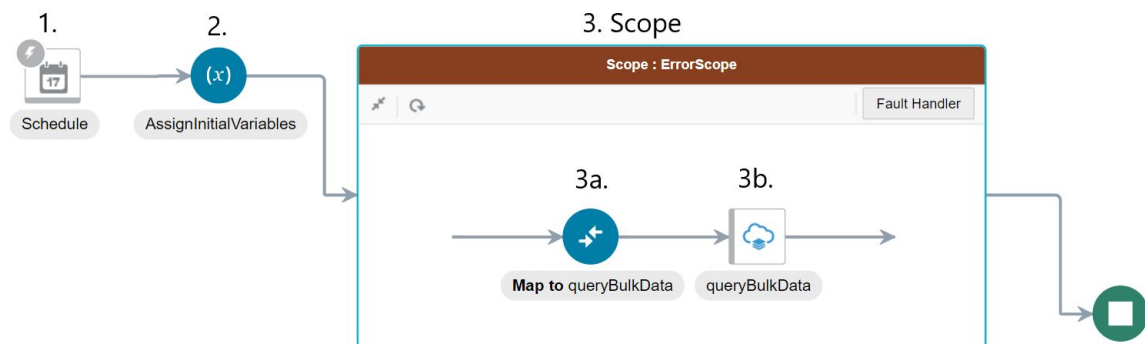
The message flow of business data goes from Oracle ERP Cloud through Oracle Integration Cloud to an FTP server.

ERP, SOAP and FTP adapters are used to help the integration process.

Part 1

Extract Bulk Data from ERP Cloud-async (1.0)

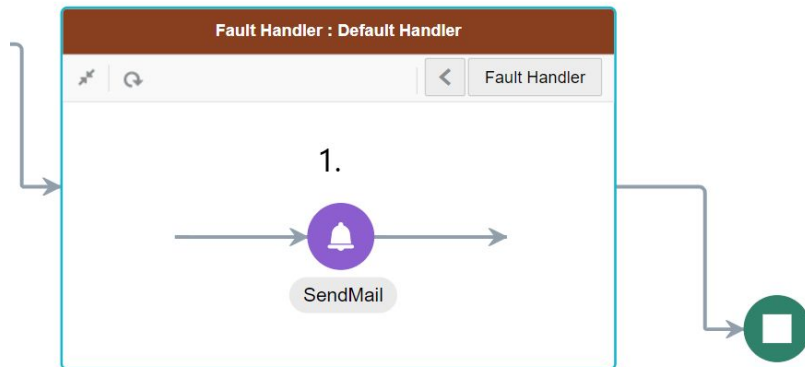
Integration Scheme for a Scheduled Orchestration Part:



Integration Scheme Steps for the Scheduled Orchestration Part:

1. Schedule: scheduling the integration flow and adding the following parameters: EmailToInCaseOfFault, ErpScheduledJobName, ParametersForScheduledJob.
2. Assign variables: assigning values to: emailFrom, Subject.
Note: These are set by default.
3. Scope:
 - 3a. Mapping: mapping to query bulk data,
 - 3b. Invoke Oracle ERP Cloud: querying bulk data.

Fault Handler for a Scheduled Orchestration Part:



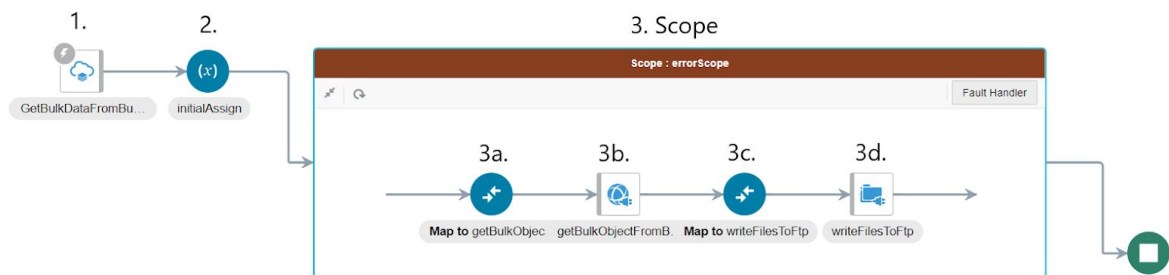
Fault Handler for a Scheduled Orchestration Part Steps:

1. Sending an error message to an appointed administrator.

Part 2

Extract Bulk Data from ERP Cloud-BusinessEvent (1.0)

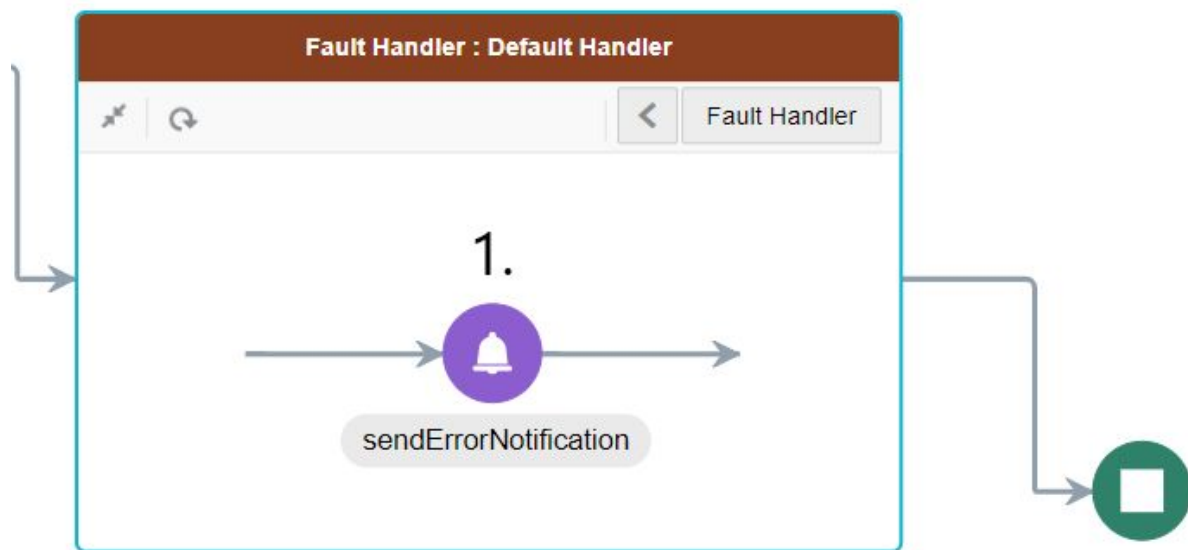
Integration Scheme for the Application Driven Part:



Integration Scheme Steps for the Application Driven Orchestration Part:

1. Trigger Oracle ERP Cloud: receiving data from ERP.
2. Assign variables: assigning values to: EmailFrom emailSubject.
Note: These are set by default.
3. Scope:
 - 3a. Mapping: mapping to get bulk data from a business event,
 - 3b. Invoke SOAP: getting bulk data object from a business event,
 - 3c. Mapping: mapping to write files to an FTP server,
 - 3d. Invoke FTP: writing files to an FTP server.

Fault Handler for the Application Driven Orchestration Part:



Fault Handler for an Application Driven Orchestration Part Steps:

1. Sending an error message to an appointed administrator.

e. Features

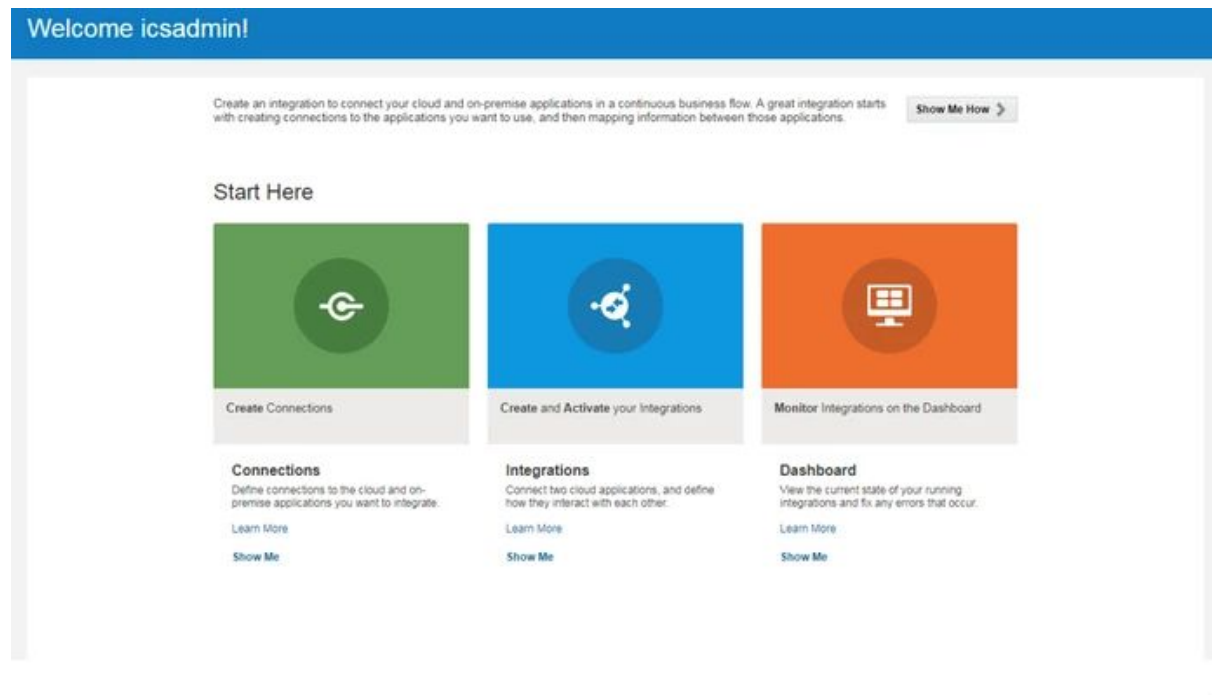
This product is a ready-made integration between Oracle ERP Cloud and an FTP Server.

It is easily installed and requires minimal configuration.

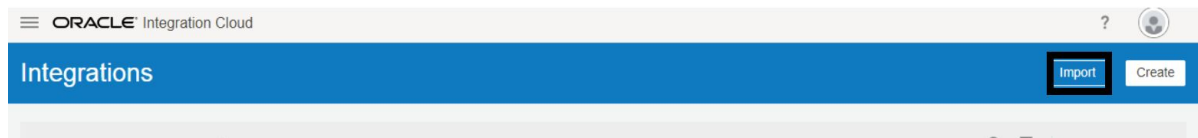
2. Configuring connections

For the integration to work properly, you need to configure connections for the applications among which you want to share data.

1. **Download** the Integration package from Oracle Marketplace to your local disk.
2. **Log in** to your OIC service as an admin user and open the “Integrations” page.



3. On the top right, click Import, then select ".iar". Click **Import** to import the archive to your OIC from your local disk, as shown below.



4. Once imported you will see the integration flow created.

You must **configure the connections** for the Oracle ERP Cloud Trigger and Invoke, SOAP Invoke and FTP Server Invoke. To do this, follow these steps:

a. Oracle ERP Cloud Trigger and/or Invoke Connection:

- a. **Log in** your account at the Oracle Integration Cloud Service home page using a valid user name and password and click **Connections**.
- b. Find the appropriate connection. **Open** it.
- c. Fill in the email address in the **Connection Administrator**. (You can receive email notifications when problems or changes occur in this connection. Enter the email address to receive these notifications.).
- d. Configure **Connection Properties**: Click **Configure Connectivity** (on the right hand side of Connection Properties) -> Enter information for
 - ERP Services Catalog WSDL URL:
<https://yourERPinstance/fscmService/ServiceCatalogService?wsdl>
 - Interface Catalog URL:
<https://yourERPinstance/fscmRestApi/otherResources/latest/interfaceCatalogs>
 - ERP Events Catalog URL:
<https://yourERPinstance/soa-infra>
- f. Configure Connection **Security**: Click **Configure Security** (on the right hand side of Security to specify the login credentials to access your application/endpoint) ->

- **Security Policy:** Select - **Username Password Token**
- Configure **Credentials:**
 - Username
 - Password
 - Confirm Password

Note: these are **your Oracle ERP Cloud credentials**.

g. Click **OK**.

h. Click **Save**.

i. Click **Test**:

If **successful**, the progress indicator shows 100%.

If your connection was **unsuccessful**, an **error message** is displayed with details. **Verify that the configuration details you entered are correct.**

j. When complete, click **Save**, then click **Close**.

b. SOAP Invoke (and Trigger) Connection:

a. **Log in** your account at the Oracle Integration Cloud Service home page using a valid user name and password and click **Connections**.

b. Find the appropriate connection. **Open** it.

c. Fill in the email address in the **Connection Administrator**. (You can receive email notifications when problems or changes occur in this connection. Enter the email address to receive these notifications.).

d. Configure **Connection Properties**: Click **Configure Connectivity** (on the right hand side of the Connection Properties) ->

- **upload a WSDL URL**, click **OK**.

Note: WSDL URL ->

<https://yourinstance/publicFinancialCommonErpIntegration/ErpIntegrationService?WSDL>

e. Configure Connection **Security** Click **Configure Security** (on the right hand side of Security):

- **Security Policy:** Select - **Username Password Token**

- Add **Credentials**:
 - Username,
 - Password,
 - Confirm Password

Note: these are **your Oracle ERP Cloud credentials**.

f. Click **OK**.

g. Click **Save**.

h. Click **Test**:

Select:

Validate and Test: Performs a full validation of the WSDL, including processing of the imported schemas and WSDLs. Please be aware that complete validation could take several minutes depending on the number of imported schemas and WSDLs, or

Test: Connects to the WSDL URL and performs a syntax check on the WSDL.

Note: No requests are sent to the operations exposed in the WSDL.

If **successful**, the progress indicator shows 100%.

If your connection was **unsuccessful**, an **error message** is displayed with details. **Verify that the configuration details you entered are correct.**

i. When complete, click **Save**, then click **Close**.

c. FTP Invoke (and Trigger) Connection:

a. **Log in** your account at the Oracle Integration Cloud Service home page using a valid user name and password and click **Connections**.

b. Find the appropriate connection. **Open** it.

c. Fill in the email address in the **Connection Administrator**. (You can receive email notifications when problems or changes occur in this connection. Enter the email address to receive these notifications.).

d. Configure **Connection Properties** -> Click **Configure Connectivity** (on the right hand side of the **Connection Properties**) to specify information to connect to your application/endpoint and process requests. Enter information for:

- **FTP Server Host Address**
- **FTP Server Port**

For **SFTP Connection** select: **Yes** or **No** according to your connection.

For **SFTP Key Exchange Algorithm** select: **your Key Exchange Algorithm** according to your connection.

For **FTP Server Time Zone** select: **your time zone**.

Click **OK**.

e. Configure Connection **Security** - Click **Configure Security** (on the right hand side of Security) to specify the login credentials to access your application/endpoint.

For Security Policy select: **FTP Server Access Policy**.

Add your:

- **User Name**
- **Password**
- **Confirm Password**

Note: These are **your FTP credentials**.

For **ASCII-Armor Encryption Format** select: **Yes** or **No** according to your connection.

For **Cipher Algorithm** select: **your Cipher Algorithm** according to your connection.

f. Click **OK**.

g. Click **Save**.

h. Click **Test** to see whether the connection is working properly.

Select a test to be performed:

- **Diagnose & Test:** Performs the diagnosis to test the FTP/SFTP connectivity issues. Please be aware that complete diagnostic could take around 15 minutes.
- **Test:** Connects to FTP/SFTP server and validates the provided credentials.

Note: Diagnosis may take more time depending on connection timeout.

If **successful**, the progress indicator shows 100%.

If your connection was **unsuccessful**, an **error message** is displayed with details.

Verify that the configuration details you entered are correct.

i. When complete, click **Save**, then click **Close**.

3. Configuring an FTP server for the Integration

For this integration to work properly you need to create a folder in your FTP server and have an access for creating an Enterprise Scheduled Job in ERP.

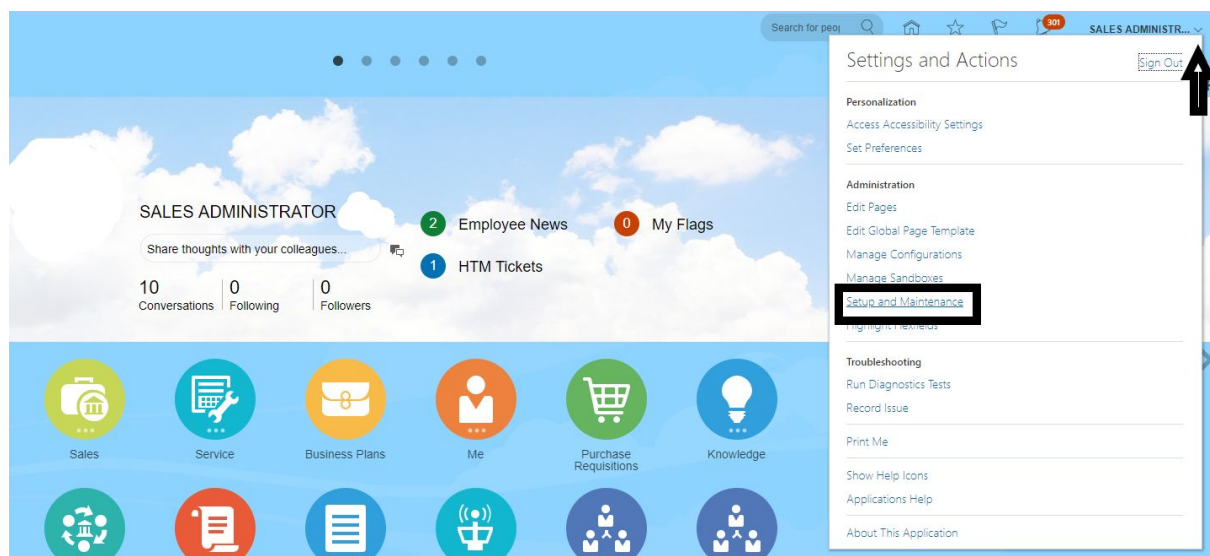
See **Assumptions**.

4. Configuring Oracle ERP Cloud for the Integration

If you have no report and/or a job for the report created in Oracle ERP this is how you can create them:

a. Creating a report:



1. Log in your ERP account using a valid user name and password.
2. Click on the **arrow** next to the user role and select **Setup and Maintenance**.



3. In the **Search Tasks** window write "**Ledger**" and click on the magnifying glass symbol.

Search for people

301 SALES ADMINISTR...

Search Tasks  

Initial Users

View Format Freeze Detach Wrap Show Required Tasks

Task	Scope
Run User and Roles Synchronization Process	


4. From the list select **Manage Primary Ledgers**.

Search Task Results

Task	Functional Area
<u>Manage Primary Ledgers</u>	Financial Reporting Structures
Specify Ledger Options	Financial Reporting Structures
Assign Balancing Segment Values to Ledger	Financial Reporting Structures

Done

5. From the Task list select **Manage Primary Ledgers**.

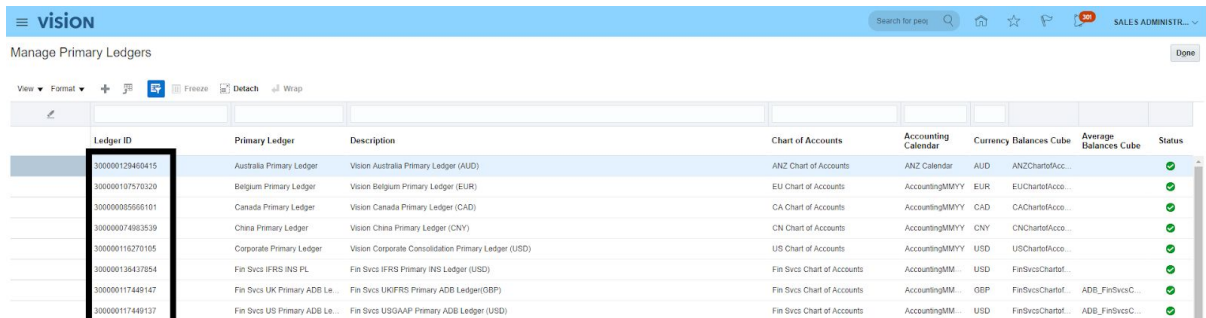
Search Tasks 

Financial Reporting Structures

View Format Freeze Detach Wrap Show All Tasks

Task
Manage Chart of Accounts Structure Instances
Manage Chart of Accounts Value Set Values
Manage Account Hierarchies
Manage Accounting Calendars
<u>Manage Primary Ledgers</u>
Assign Legal Entities
Specify Ledger Options
Assign Balancing Segment Values to Legal Entities
Assign Balancing Segment Values to Ledger
Manage Reporting Currencies

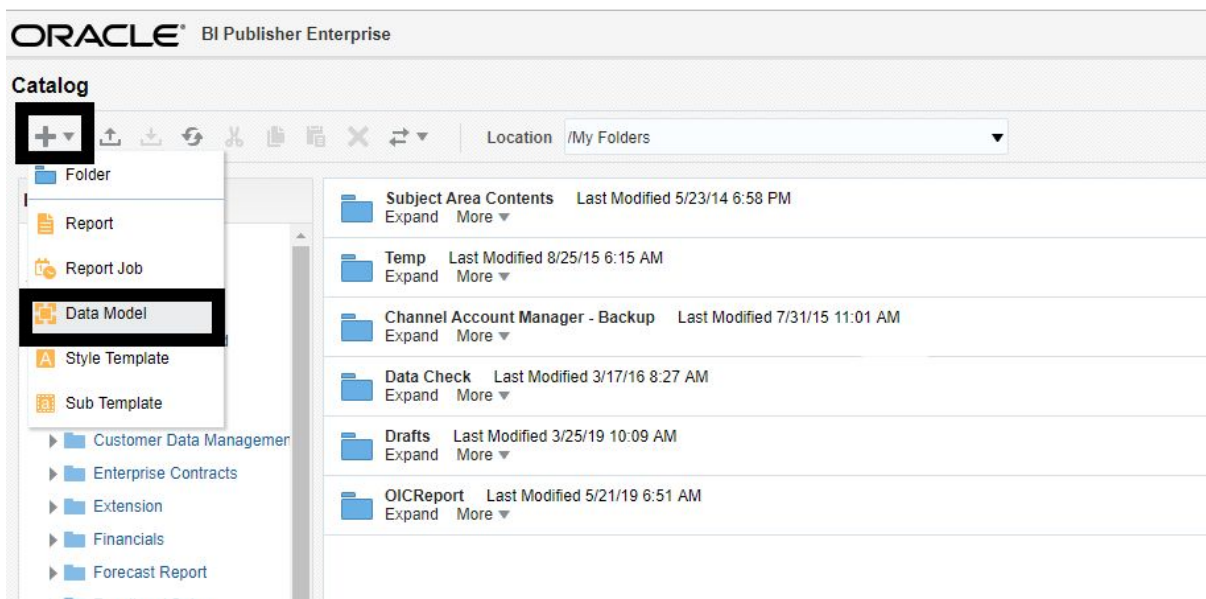
6. From the list select your applicable **Ledger ID** - copy the **ID** and save it for the ERP report configuration.



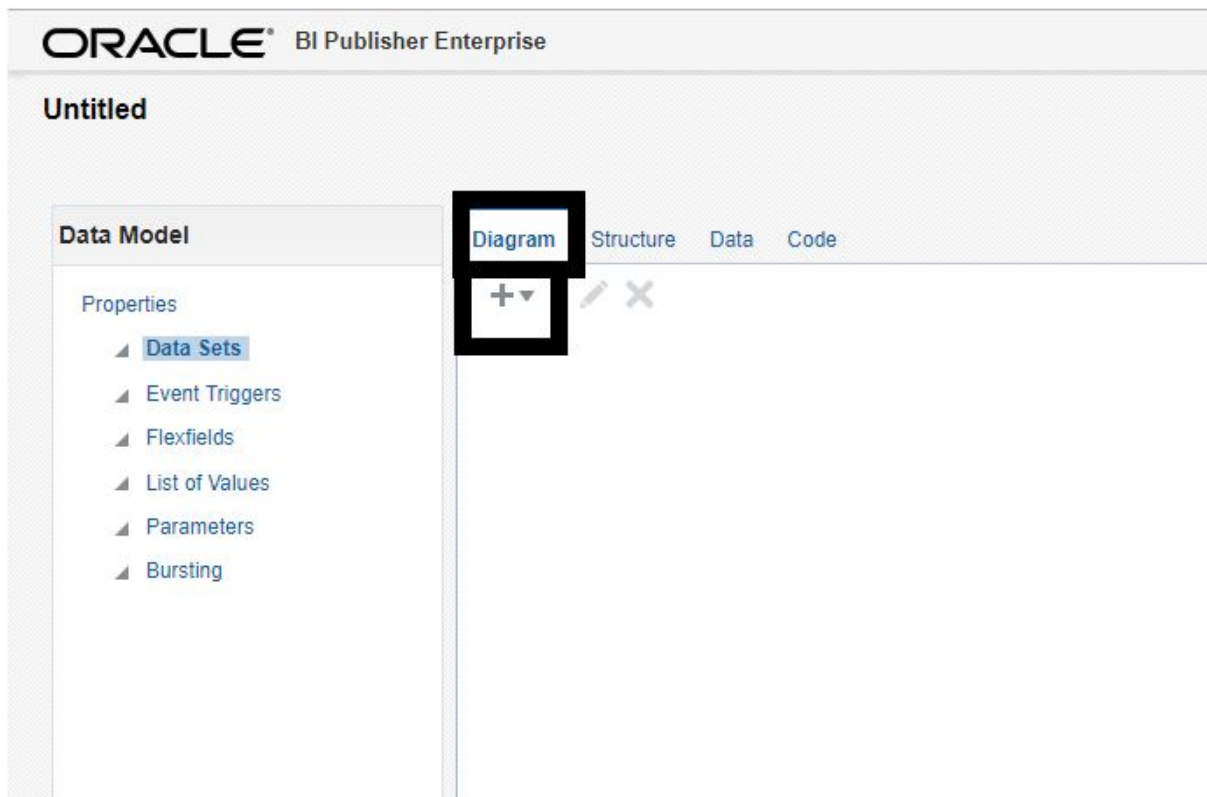
Ledger ID	Primary Ledger	Description	Chart of Accounts	Accounting Calendar	Currency	Balances Cube	Average Balances Cube	Status
30000012940415	Australia Primary Ledger	Vision Australia Primary Ledger (AUD)	ANZ Chart of Accounts	ANZ Calendar	AUD	ANZChartofAcc...		✓
300000107570329	Belgium Primary Ledger	Vision Belgium Primary Ledger (EUR)	EU Chart of Accounts	AccountingMYYY	EUR	EUChartofAcco...		✓
30000003566101	Canada Primary Ledger	Vision Canada Primary Ledger (CAD)	CA Chart of Accounts	AccountingMYYY	CAD	CAChartofAcco...		✓
300000074983539	China Primary Ledger	Vision China Primary Ledger (CNY)	CN Chart of Accounts	AccountingMYYY	CNY	CNChartofAcco...		✓
300000116270105	Corporate Primary Ledger	Vision Corporate Consolidation Primary Ledger (USD)	US Chart of Accounts	AccountingMYYY	USD	USChartofAcco...		✓
300000136437854	Fin Svcs IFRS INS PL	Fin Svcs IFRS Primary INS Ledger (USD)	Fin Svcs Chart of Accounts	AccountingMM...	USD	FinSvcsChartof...		✓
300000117449147	Fin Svcs UK Primary ADB Le...	Fin Svcs UKFRS Primary ADB Ledger (GBP)	Fin Svcs Chart of Accounts	AccountingMM...	GBP	FinSvcsChartof...	ADB_FinSvcsC...	✓
300000117449137	Fin Svcs US Primary ADB Le...	Fin Svcs USGAAP Primary ADB Ledger (USD)	Fin Svcs Chart of Accounts	AccountingMM...	USD	FinSvcsChartof...	ADB_FinSvcsC...	✓

7. Log in at <https://yourinstance/xmlpserver/servlet/catalog> using a valid user name and password.

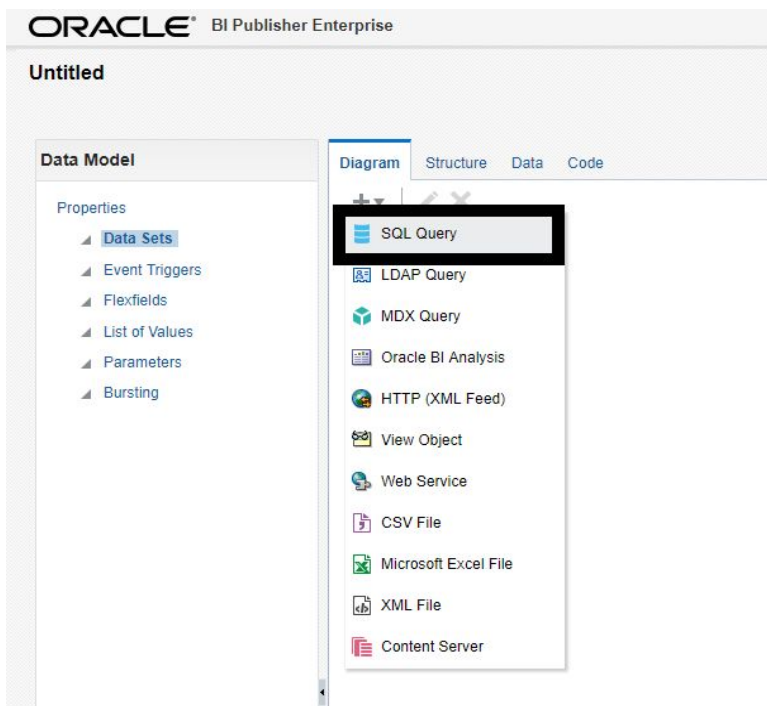
8. Click on the “+” sign on the top left hand side and select **Data Model**.



9. Select **Diagram** and click on the **+** sign.



10. Select **SQL Query**.



11. Enter:

Name: choose **your** name.

Data Source: select **ApplicationDB_FSCM**.

Type of SQL: select **Standard SQL**.

Add the following **SQL Query**:

```
SELECT

    l.ledger_id,

    l.name,

    c.code_combination_id,

    c.account_type,

    segment1,

    segment2,

    segment3,

    segment4,

    segment5,

    segment6,

    segment7,

    segment8,

    segment9,

    segment10,

    c.financial_category

FROM

    gl_ledgers l,

    gl_code_combinations c

WHERE

    c.detail_posting_allowed_flag = 'Y'

    AND c.summary_flag = 'N'

    AND c.enabled_flag = 'Y'

    and sysdate between nvl(c.start_date_active, sysdate) and
nvl(c.end_date_active, sysdate)
```

```
and c.chart_of_accounts_id = l.chart_of_accounts_id  
  
and l.ledger_id = < ledger_ID >  
  
order by  
  
1
```

Note: **ledger_ID** - here add your selected ledger ID from step No.6.

Click **OK**.

New Data Set - SQL Query

* Name

* Data Source demo (Default) ▼ ↻

* Type of SQL Standard SQL ▼

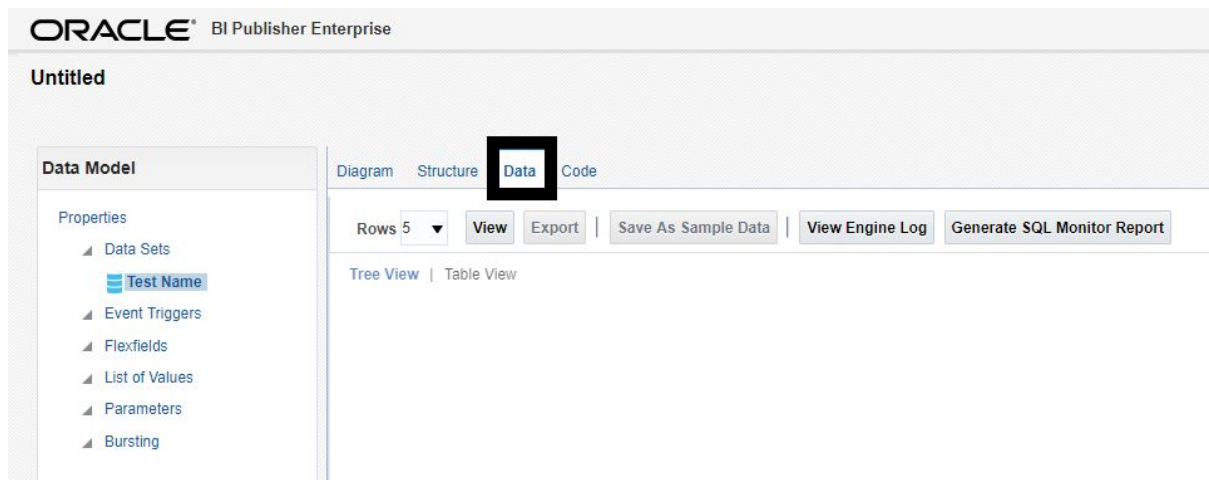
* SQL Query

Query Builder

Generate Explain Plan OK Cancel



12. Select **Data**.

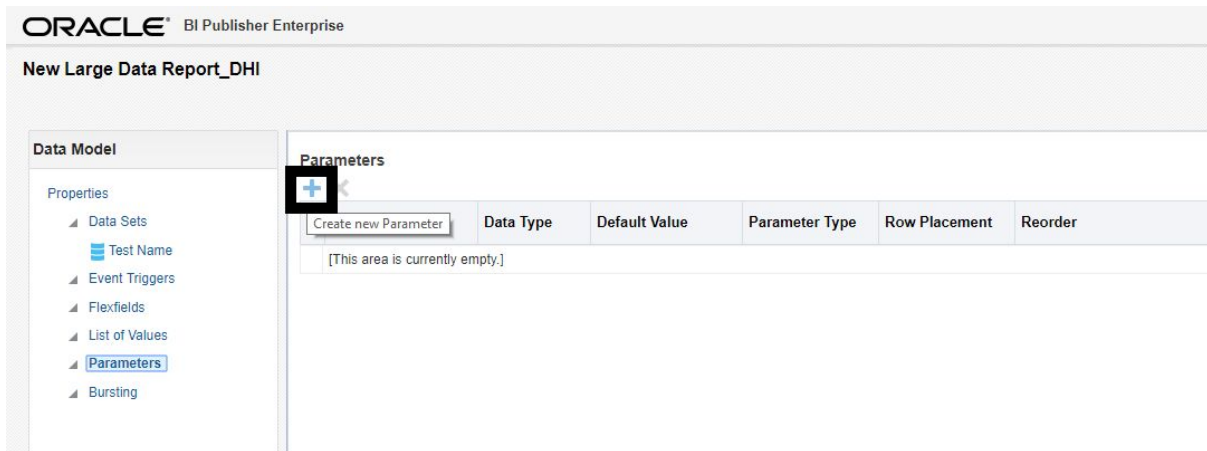


13. Select **View**.

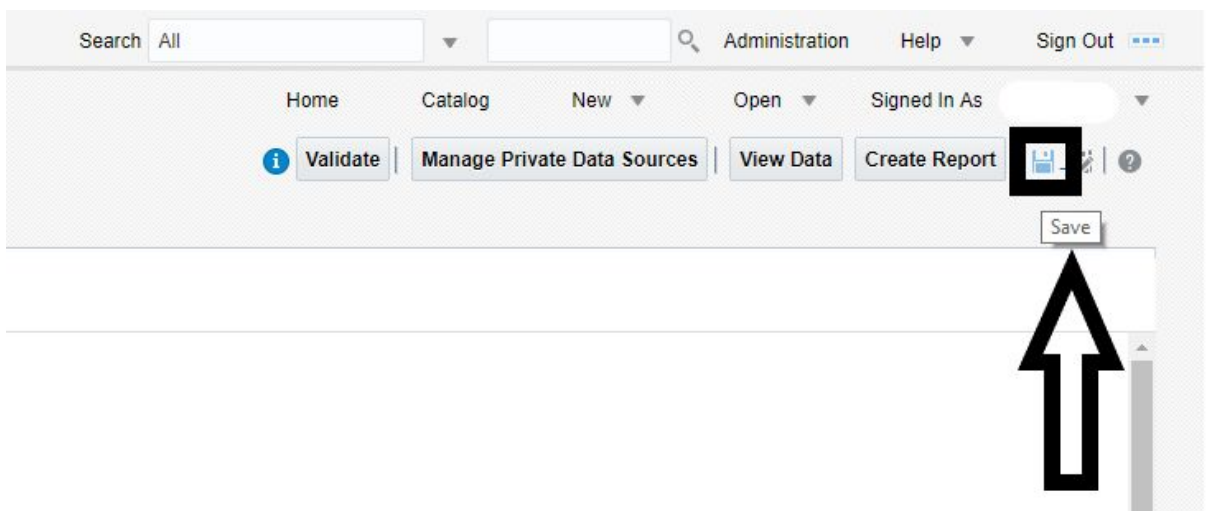
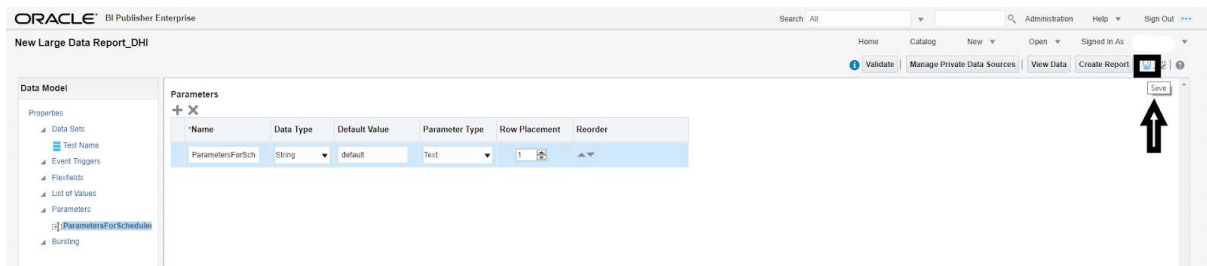
The screenshot shows the Oracle BI Publisher Enterprise interface. The title bar reads "ORACLE® BI Publisher Enterprise". Below the title bar, the text "Untitled" is displayed. The interface is divided into two main sections. On the left, the "Data Model" section contains a "Properties" pane with a tree view showing "Data Sets", "Event Triggers", "Flexfields", "List of Values", "Parameters", and "Bursting". The "Data Sets" folder is expanded, showing "Test Name". On the right, the "Data" tab is selected, showing a "Rows" dropdown set to "5", a "View" button (highlighted with a black box), an "Export" button, and buttons for "Save As Sample Data", "View Engine Log", and "Generate SQL Monitor Report". Below these buttons, the "Tree View" is displayed, showing a hierarchy: "DATA_DS" > "G_1" > "LEDGER_ID (300000129460415)" > "NAME (Australia Primary Ledger)" > "CODE_COMBINATION_ID (300000130817137)" > "ACCOUNT_TYPE (R)" > "SEGMENT1 (451)" > "SEGMENT2 (40)" > "SEGMENT3 (78610)" > "SEGMENT4 (710)" > "SEGMENT5 (000)" > "SEGMENT6 (000)" > "FINANCIAL_CATEGORY (OTHER INC)".

14. Add Parameters by clicking on **Parameters** and clicking on the **+** sign.

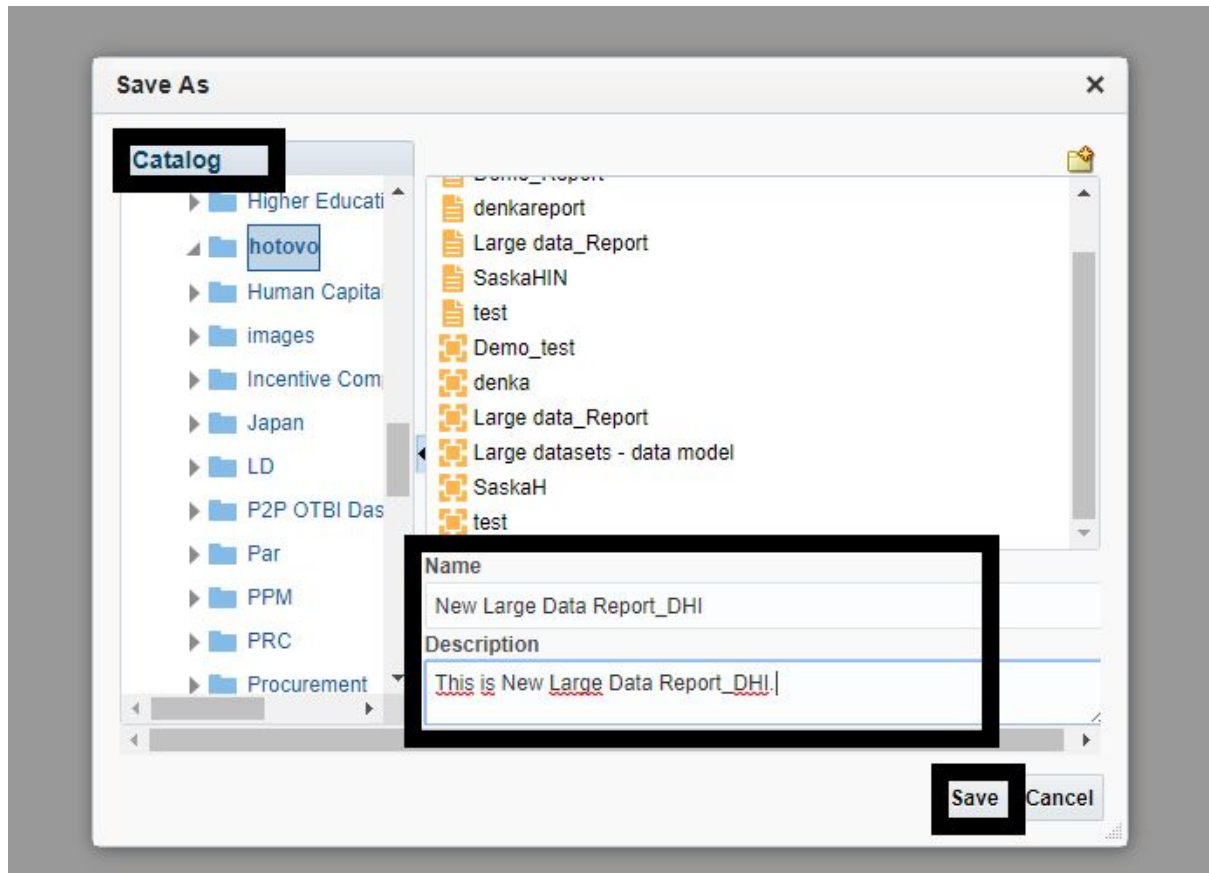
The screenshot shows the Oracle BI Publisher Enterprise interface. The title bar reads "ORACLE® BI Publisher Enterprise". Below the title bar, the text "New Large Data Report_DHI" is displayed. The interface is divided into two main sections. On the left, the "Data Model" section contains a "Properties" pane with a tree view showing "Data Sets", "Test Name", "Event Triggers", "Flexfields", "List of Values", "Parameters", and "Bursting". The "Parameters" folder is highlighted with a black box. On the right, the "Data" tab is selected, showing a "Rows" dropdown set to "5", a "View" button, an "Export" button, and buttons for "Save As Sample Data", "View Engine Log", and "Generate SQL Monitor Report". Below these buttons, the "Tree View" is displayed, showing a hierarchy: "DATA_DS" > "G_1" > "LEDGER_ID (300000129460415)" > "NAME (Australia Primary Ledger)" > "CODE_COMBINATION_ID (300000130817137)" > "ACCOUNT_TYPE (R)".



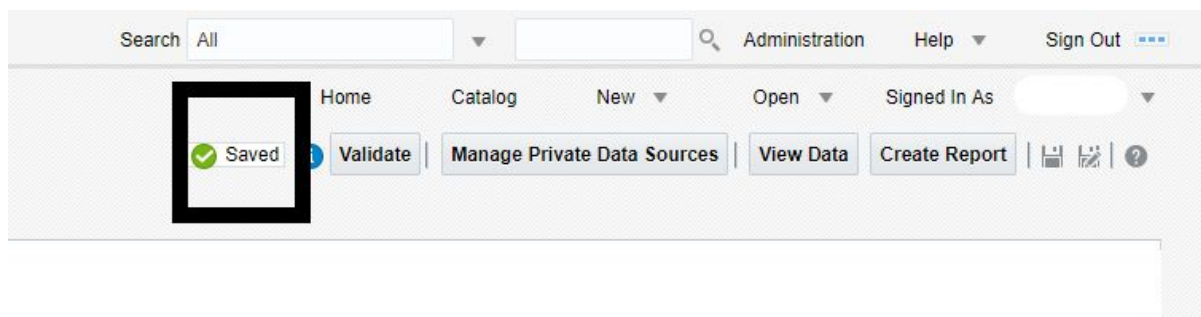
15. Enter Parameter **Name**, **Data Type** and **Value**. For adding more parameters, click on the **+** sign. Click **Save**.



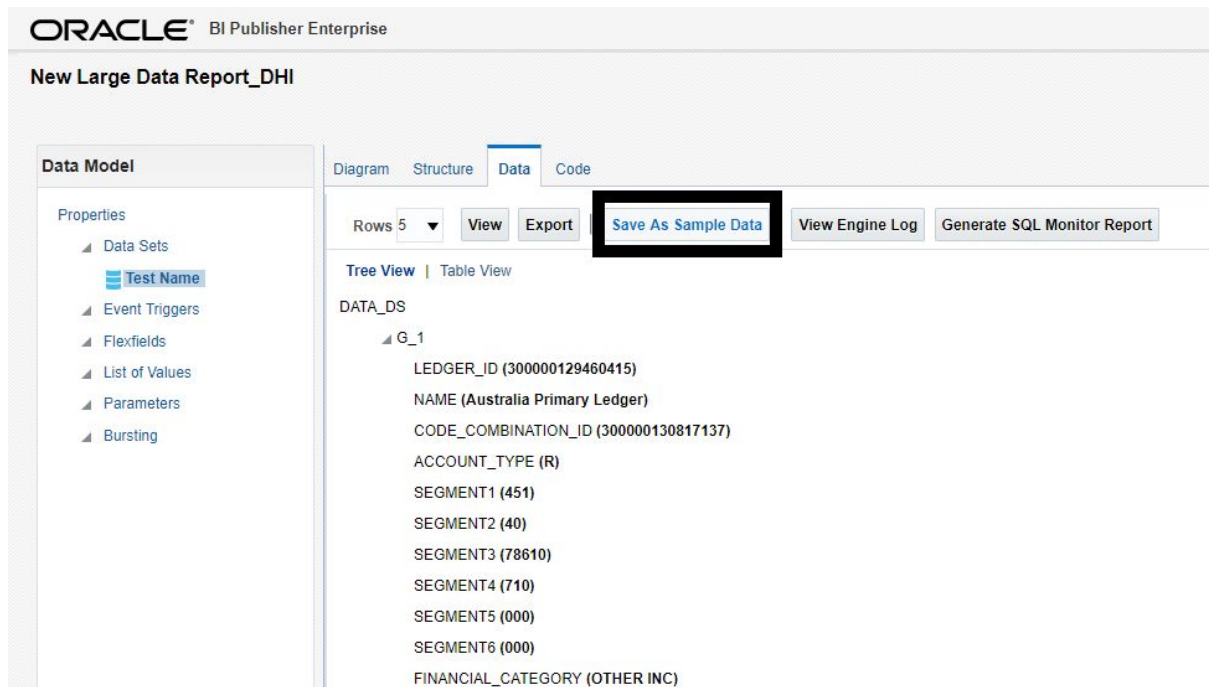
16. Select a folder where you want to save your data, write a **Name** and/or **Description** and click **Save**.



17. The **confirmation** note appears.



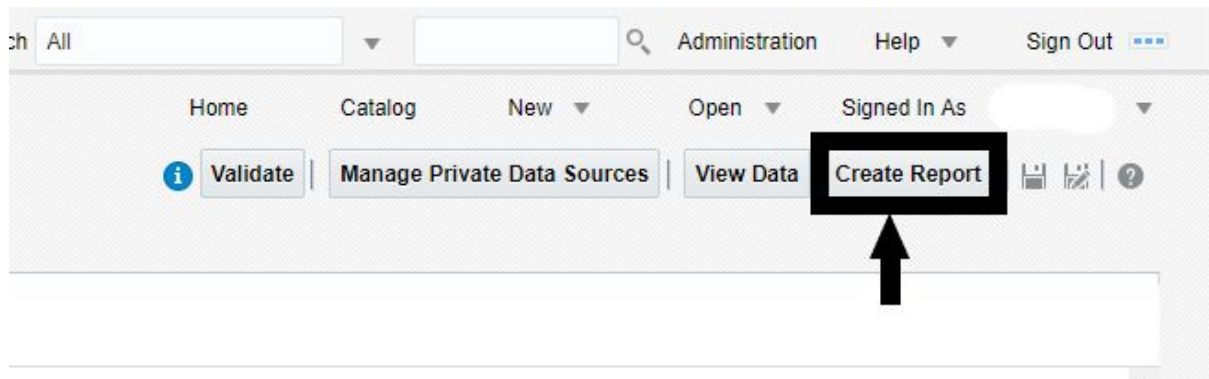
18. Click on **Save As Sample Data**.



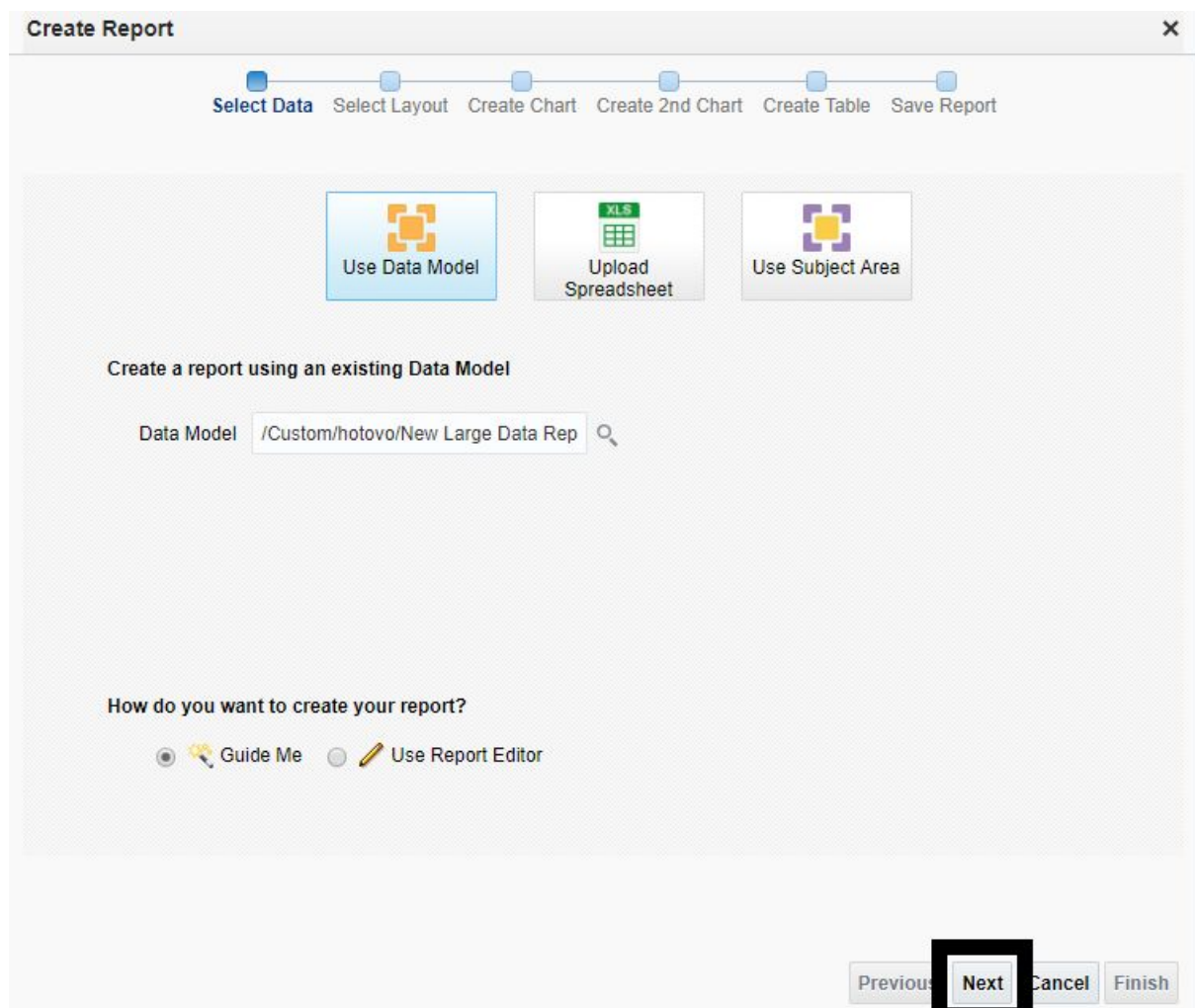
19. Click **OK**.



20. Click on **Create Report**.



21. Select **Use Data Model** and from **Data Model** select your desired Data Model, click **Next**.



22. Select your desired **Page Options**, **Layout** and click **Next**.

The screenshot shows the 'Create Report' dialog box with the 'Select Layout' step highlighted in the progress bar. The 'Page Options' section includes radio buttons for 'Portrait' (selected) and 'Landscape', and checkboxes for 'Page Header' and 'Page Footer'. The 'Layout' section includes radio buttons for 'Table' (selected), 'Chart', 'Pivot Table', 'Chart and Table', 'Chart and Pivot Table', and 'Two Charts and Table'. Each layout option has a corresponding visual representation: a table, a bar chart, a pivot table, a combined table and bar chart, a combined table and bar chart with a pivot table, and a combined table and two charts (bar and pie).

Create Report [X]

Select Data **Select Layout** Create Chart Create 2nd Chart Create Table Save Report

Page Options

☒ Portrait ☐ Landscape

☐ Page Header ☐ Page Footer

Layout

☒ Table ☐ Chart ☐ Pivot Table

☐ Chart and Table ☐ Chart and Pivot Table ☐ Two Charts and Table

Previous **Next** Cancel Finish

23. Select your desired data to be included in the report by dragging and dropping and click **Next**. You can also select/unselect **Show Grand Totals Row** and **Preview Report**.

Create Report

Select Data

Select Layout

Create Chart

Create 2nd Chart

Create Table

Save Report

Drag fields from the Data Source to create the table. Sample data is displayed.

Data Source

DATA_DS

G_1

LEDGER_ID

A NAME

CODE_COMBINAT

A ACCOUNT_TYPE

A SEGMENT1

A SEGMENT2

A SEGMENT3

A SEGMENT4

A SEGMENT5

A SEGMENT6

A SEGMENT7

A SEGMENT8

[Drop Fields Here]

☒ Show Grand Totals Row

Preview Report

Previous

Next

Cancel

Finish

Create Report

Select Data

Select Layout

Create Chart

Create 2nd Chart

Create Table

Save Report

Drag fields from the Data Source to create the table. Sample data is displayed.

Data Source

LEDGER_ID

A NAME

CODE_COMBINAT

A ACCOUNT_TYPE

A SEGMENT1

A SEGMENT2

A SEGMENT3

A SEGMENT4

A SEGMENT5

A SEGMENT6

A SEGMENT7

A SEGMENT8

A SEGMENT9

A SEGMENT10

A FINANCIAL_CATEC

LEDGER_ID	NAME	FINANCIAL_CAT...	SEGMENT10	SEGMENT7
3.000001294604158	Australia Primary Ledger	OTHER INC		
3.000001294604158	Australia Primary Ledger	OTHER OPER EXP		
3.000001294604158	Australia Primary Ledger	TRAVEL AND ENT EXP		
3.000001294604158	Australia Primary Ledger	OTHER INC		
3.000001294604158	Australia Primary Ledger	OTHER OPER EXP		
1.500000647302079				

☒ Show Grand Totals Row

Preview Report

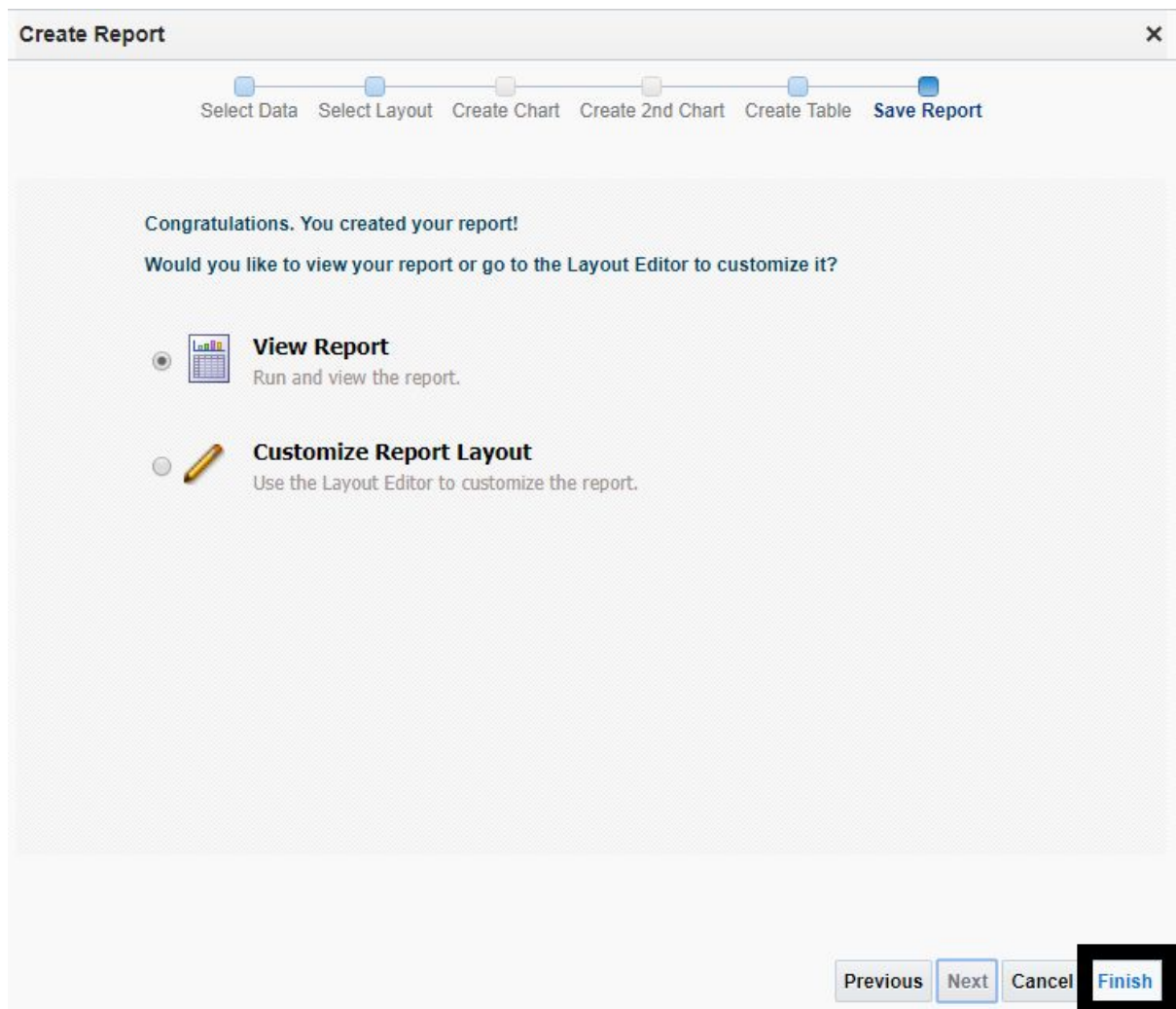
Previous

Next

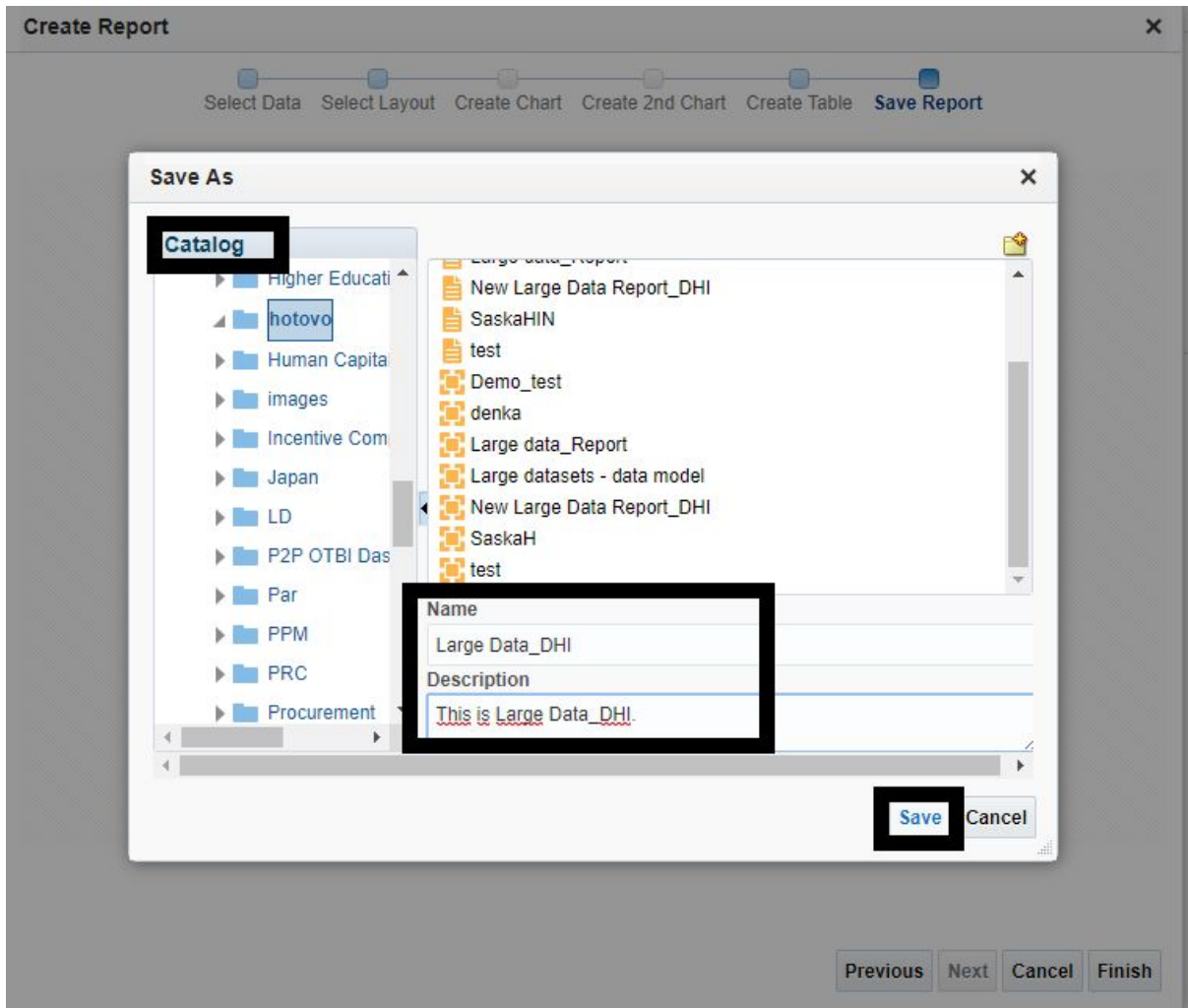
Cancel

Finish

24. Click **Finish**.



25. Select a Catalog **folder** where you want your report to be saved, write a report **Name** and **Description** and click **Save**.



26. Your report has been created.

ORACLE BI Publisher Enterprise

Search All Administration Help Sign Out

Home Catalog New Open Signed In As

Large Data_DHI

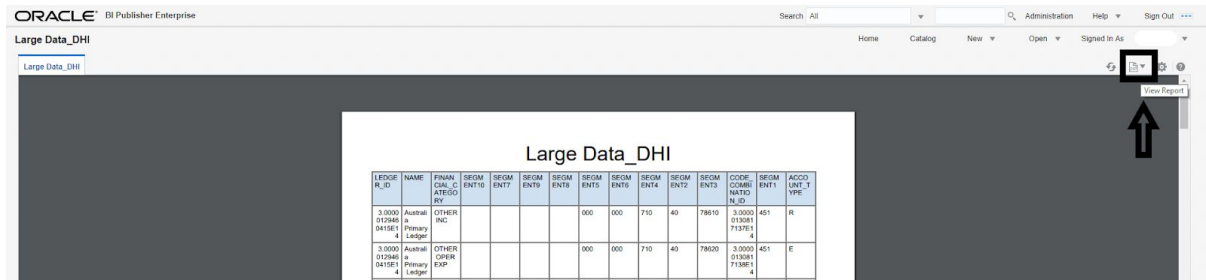
Large Data_DHI

1/9

Large Data_DHI

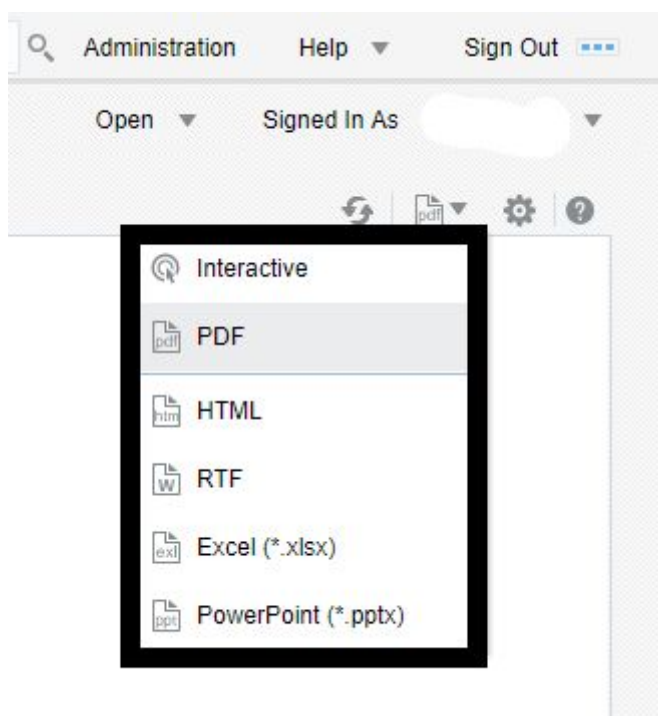
LEDGE R_ID	NAME	FINAN CIAL C ATGO RY	SEGM ENT10	SEGM ENT7	SEGM ENT9	SEGM ENT8	SEGM ENT5	SEGM ENT6	SEGM ENT4	SEGM ENT2	SEGM ENT3	CODE COMB NATIO N ID	SEGM ENT1	ACCO UNT TYPE
3.0000 012940 041501	Austral a Primary Ledger	OTHER INC					000	000	710	40	78010	3.0000 013081 713751	451	R
3.0000 012940 041501	Austral a Primary Ledger	OTHER OPER EXP					000	000	710	40	78020	3.0000 013081 713801	451	E
3.0000 012940 041501	Austral a Primary Ledger	TRAVE L AND ENT EXP					000	000	710	40	80540	3.0000 013081 714E14	451	E
3.0000 012940 041501	Austral a Primary Ledger	OTHER INC					000	000	170	40	78030	3.0000 013081 714E11	451	R
3.0000 012940 041501	Austral a Primary Ledger	OTHER OPER EXP					000	000	170	40	78040	3.0000 013081 714E11	451	E
3.0000 012940 041501	Austral a Primary Ledger	TRAVE L AND ENT EXP					000	000	170	40	80540	3.0000 013081 714E11	451	E
3.0000 012940 041501	Austral a Primary Ledger	OTHER INC					000	000	170	40	78010	3.0000 013081 714E11	451	R
3.0000 012940 041501	Austral a Primary Ledger	REVEN UE					000	000	430	40	41000	3.0000 013084 511201	451	R
3.0000 012940 041501	Austral a Primary Ledger	AR					000	000	430	40	12101	3.0000 013084 511301	451	A
3.0000 012940 041501	Austral a Primary Ledger	FREIG HT					000	000	430	40	82520	3.0000 013084 511501	451	E
3.0000 012940 041501	Austral a Primary Ledger	REVEN UE					000	000	430	40	49100	3.0000 013084 511701	451	R

27. By clicking on **View Report** you can change the report output **format**.



Large Data_DHI

EDGE R_ID	NAME	FINAN- CIAL_C ATGEO RY	SEGM ENT10	SEGM ENT7	SEGM ENT8	SEGM ENT5	SEGM ENT6	SEGM ENT4	SEGM ENT3	SEGM ENT2	COOR- DINATE N_ID	SEGM ENT1	ACCO- UNT_T YPE
3.0000 012945 0410E1 4	Austral- ia Primary Ledger	OTHER INC				000	000	710	40	78610	3.0000 013001 7137E1 4	451	R
3.0000 012945 0410E1 4	Austral- ia Primary Ledger	OTHER EXP				000	000	710	40	78620	3.0000 013001 7138E1 4	451	E



Administration Help Sign Out

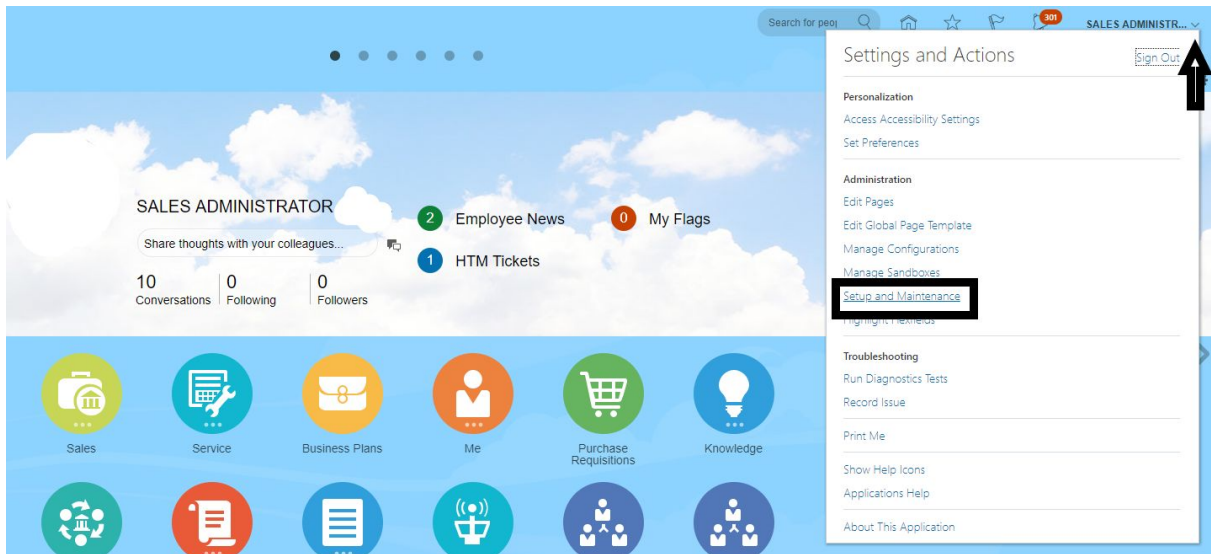
Open Signed In As

View Report

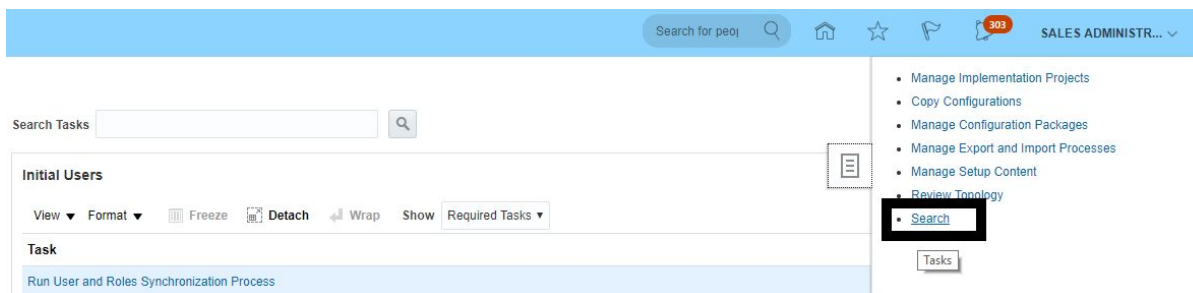
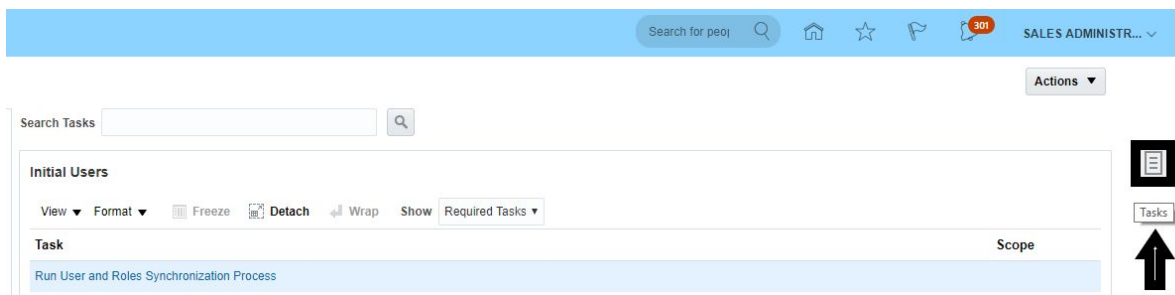
- Interactive
- PDF
- HTML
- RTF
- Excel (*.xlsx)
- PowerPoint (*.pptx)

b. Creating a job for the report

1. Log in your ERP account using a valid user name and password.
2. Click on the **arrow** next to the user role and select **Setup and Maintenance**.




3. Click on the Task Bar and select **Search**.



4. In the search bar write “**scheduler job**” and click on the magnifying glass for searching.

≡ vision

Search



Match With Tasks, Task Lists, Business Objects


Name

No search conducted.

5. Select your desired **Task List**.

≡ vision

Search



Match With Tasks, Task Lists, Business Objects

Name
Define Custom Enterprise Scheduler Jobs for Compensation Management
Define Custom Enterprise Scheduler Jobs for Customer Data Management
Define Custom Enterprise Scheduler Jobs for Enterprise Contracts
Define Custom Enterprise Scheduler Jobs for Incentive Compensation
Define Custom Enterprise Scheduler Jobs for Marketing
Define Custom Enterprise Scheduler Jobs for Sales
Define Enterprise Scheduler Job Definitions and Job Sets
Define Enterprise Scheduler Job Definitions and Job Sets for Financials
Define Enterprise Scheduler Job Definitions and Job Sets for Fusion Accounting Hub

6. Select your desired **Task** and click on it.

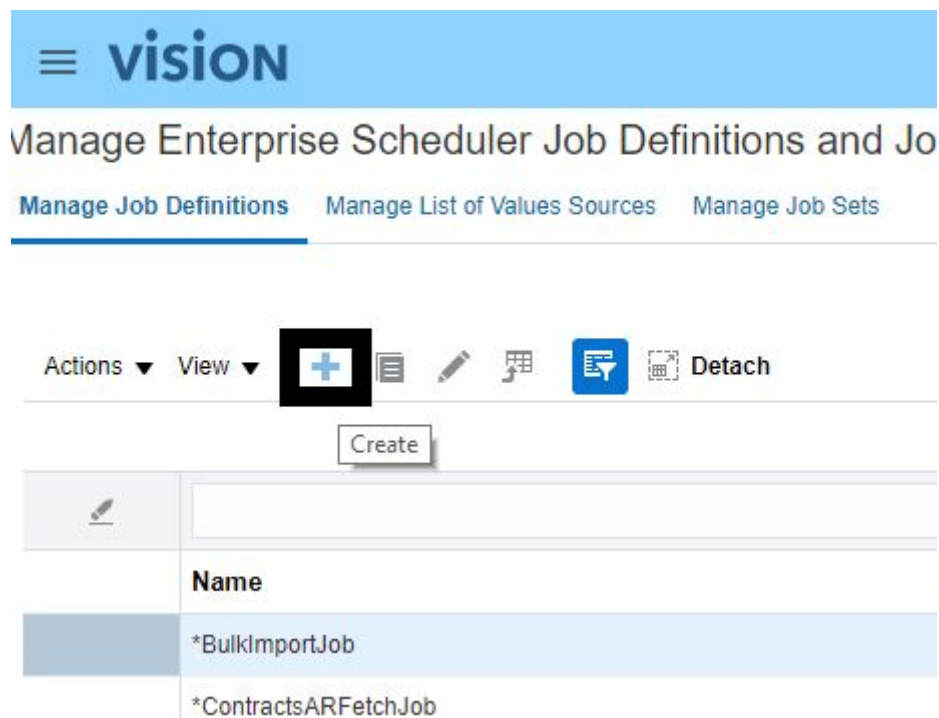
≡ vision

Task List: Define Enterprise Scheduler Job Definitions and Job Sets for Financials

Task

Manage Enterprise Scheduler Job Definitions and Job Sets for Financial, Supply Chain Management, and Related Applications

7. Click on the + sign to create a new job.



8. Fill in all the required fields:

Display Name: write your Display Name

Name: Write your Name

Path: Enter the name of the folder to store the job definition.

Note: This folder is created in /oracle/apps/ess/custom/

Job Application Name: select **FscmEss**

Job Type: select BIPJobType

Report ID: this a path to the place where your job is saved in ERP

Add **Parameters** by clicking on the + sign.

Note: Parameters are the same as added in the Data model section. See part 4/a/15 of this User Guide.

Create Job Definition

Job Definition [Show More](#)

* Display Name

* Name

* Path

Application

Description

Retries

Job Category

Timeout Period

* Job Application Name

☐ Enable submission from Enterprise Manager

* Job Type

Class Name

Default Output Format

Report ID

Priority

Allow Multiple Pending Submissions

☒ Enable submission from Scheduled Processes

Parameters User Properties

Actions View +

Parameter Prompt

No data to display.

>> Detach

☐ Bursting report

Create Parameter

* Parameter Prompt Tooltip Text

* Data Type

☐ Read only

* Page Element

Default Value

☐ Required

☐ Do not display

Save and Create Another **Save and Close** Cancel

Detach Save and Close

9. Click **Save and Close**.

vision

Manage Enterprise Scheduler Job Definitions and Job Sets for Financial, Supply Chain Management, and Related Applications

Manage Job Definitions Manage List of Values Sources Manage Job Sets

Create Job Definition

Job Definition! Show More

Display Name: Large_Data_DHI

Name: Large_Data_DHI

Path: /otovo

Application: [Dropdown]

Description: [Text Area]

Retries: [Text]

Job Category: [Text]

Timeout Period: [Text]

Job Application Name: FromESS

Job Type: BIPJobType

Class Name: oracle.xdo.service.client.scheduler.BIPJobExecutable

Default Output Format: [Dropdown]

Report ID: CustomhotovoLarge+Data

Priority: [Text]

Allow Multiple Pending Submissions: [Dropdown]

Enable submission from Enterprise Manager: [Checkbox]

Burding report: [Checkbox]

Enable submission from Scheduled Processes: [Checked]

Large_Data_DHI: Parameters User Properties

Actions View + Copy from Existing Job Definition Detach

Parameter Prompt	Data Type	Page Element	Default Value	Read Only	Required
No data to display					

10. The **confirmation** note appears.

vision

Manage Enterprise Scheduler Job Definitions and

Manage Job Definitions Manage List of Values Sources Manage Job Sets

Confirmation
Your changes were saved.

Actions View + Detach

5. Configuring Integration

- A. **Configuring parameters:** EmailToInCaseOfFault, ErpScheduledJobName, ParametersForScheduledJob, where they refer to:

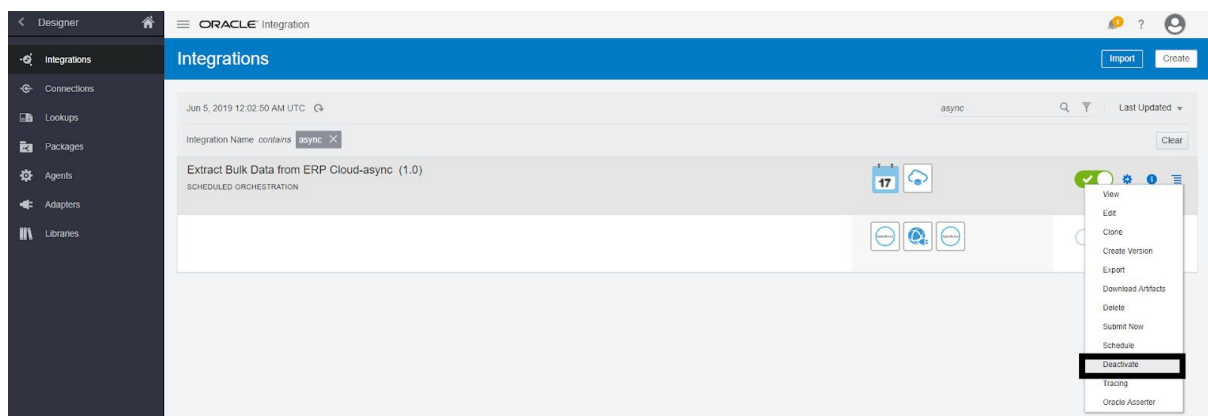
- EmailToInCaseOfFault: Email of an administrator who will be notified in case of the integration failure,
- ErpScheduledJobName: Scheduled Job name in ERP cloud,
- ParametersForScheduledJob: Parameters to be passed to scheduled job in ERP, **should be comma separated values.**

Note: Scheduled parameters are available across all scheduled runs of an integration and can be used to facilitate processing of data from one run to the next. For example, when performing batch processing a schedule parameter can be used to track the current position of batched data between runs.

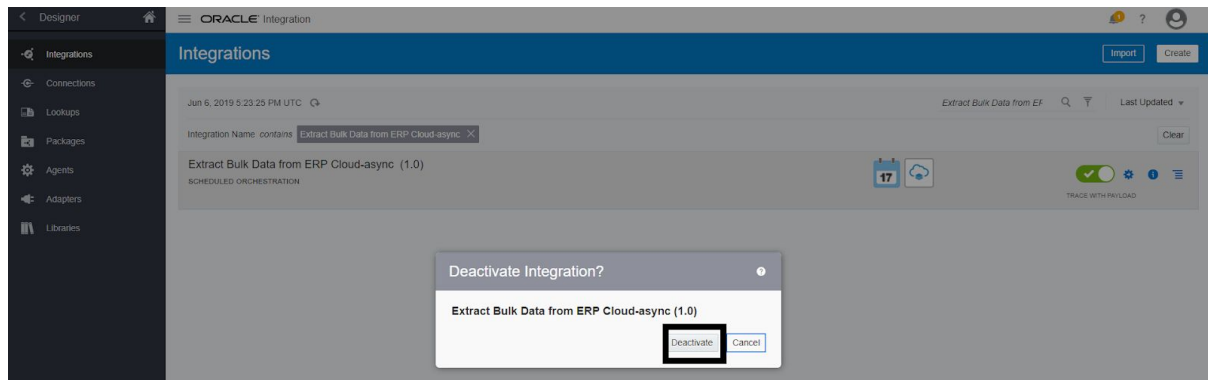
1. **Log in** to your OIC service as an admin user and open the “Integrations” page.
2. Select **Extract Bulk Data from ERP Cloud-async (1.0)**.

Note: To configure the integration it must be deactivated.

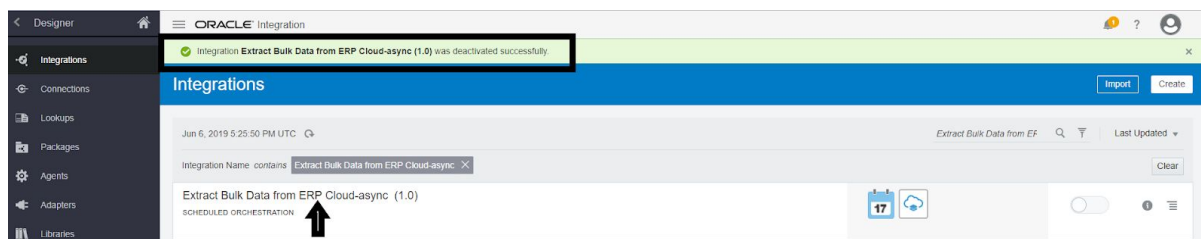
3. To deactivate the integration from the menu bars on the right select **Deactivate**.



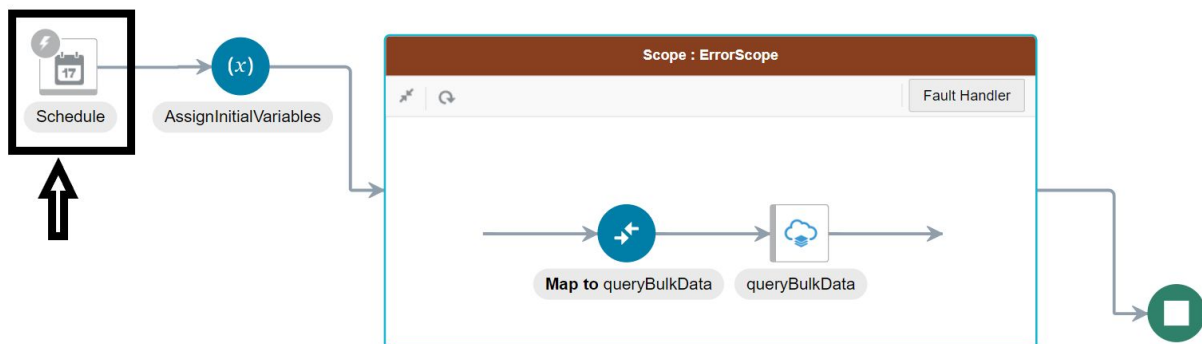
4. Deactivation modal window appears - select **Deactivate**.



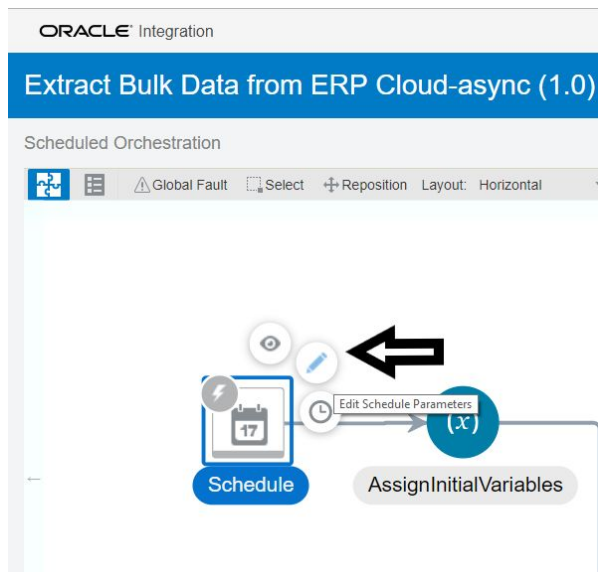
5. When the integration is deactivated, the confirmation note appears. Click on the flow name to open it.



6. When it is opened select **Schedule** section.



7. Three little icons appear next to it - select a **pencil** little icon for editing parameters.



8. You will see the parameters page, where in the value column click on the line for editing and adding values for the following parameters: EmailToInCaseOfFault, ErpScheduledJobName, ParametersForScheduledJob. You can add more parameters by clicking on the “+” sign. When done click **Close** and **Save**.

ORACLE Integration

Schedule Parameters

Extract Bulk Data from ERP Cloud-async (1.0) Close

Schedule Parameters

Scheduled parameters are available across all scheduled runs of an integration and can be used to facilitate processing of data from one run to the next. For example, when performing batch processing a schedule parameter can be used to track the current position of batched data between runs.
Add at least one named variable. (Maximum 5 variables can be added.)

Parameter Name	Description	Value
EmailToInCaseOfFault	Email of administrator who will be notified in case of integration failure	Enter your value for the parameter
ErpScheduledJobName	Scheduled Job name in ERP cloud	Enter your value for the parameter
ParametersForScheduledJob	Parameters to be passed to scheduled job in ERP, should be comma separated values	Enter your value for the parameter

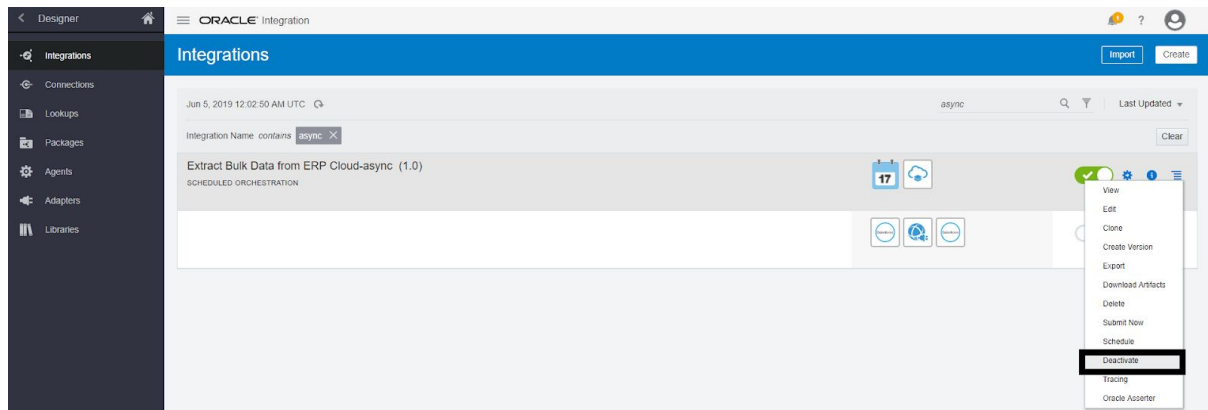
+

B. Configuring Scheduler:

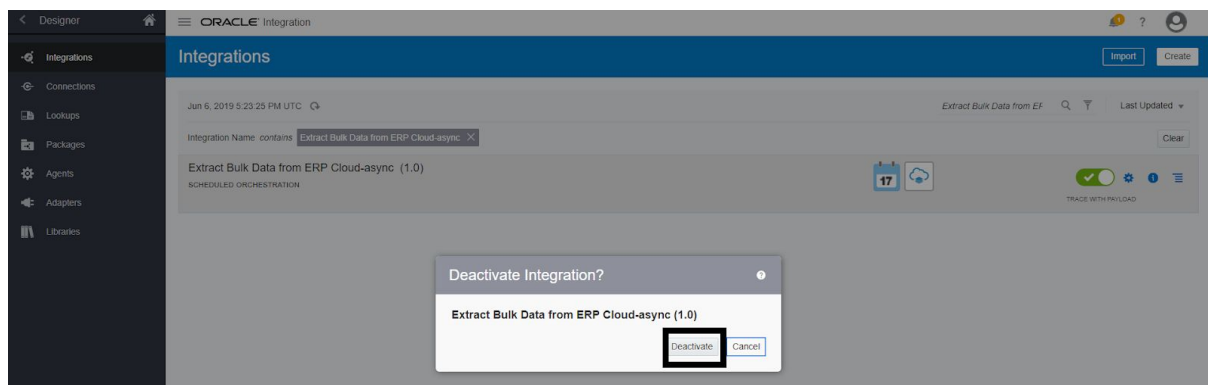
1. **Log in** to your OIC service as an admin user and open the “Integrations” page.
2. Select **Extract Bulk Data from ERP Cloud-async (1.0)**.

Note: To configure the integration it must be deactivated.

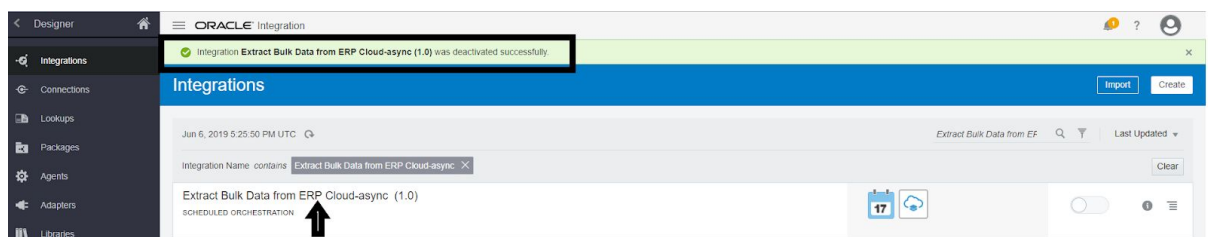
3. To deactivate the integration from the menu bars on the right select **Deactivate**.



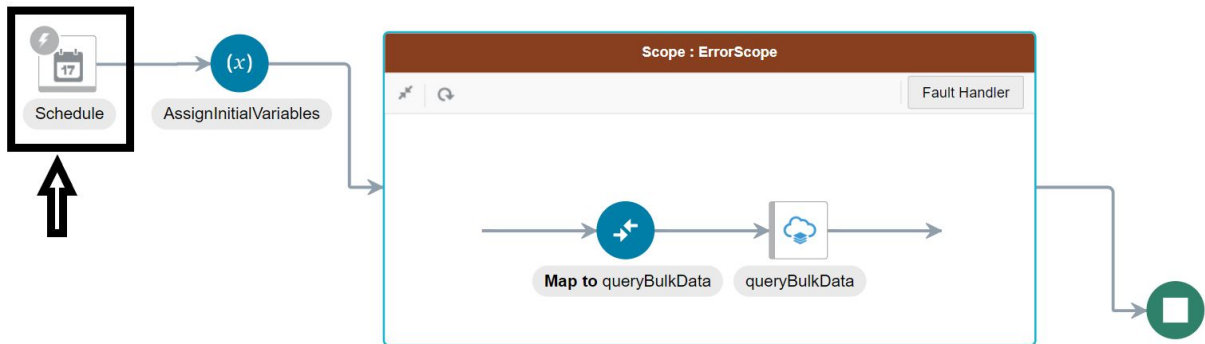
4. Deactivation modal window appears - select **Deactivate**.



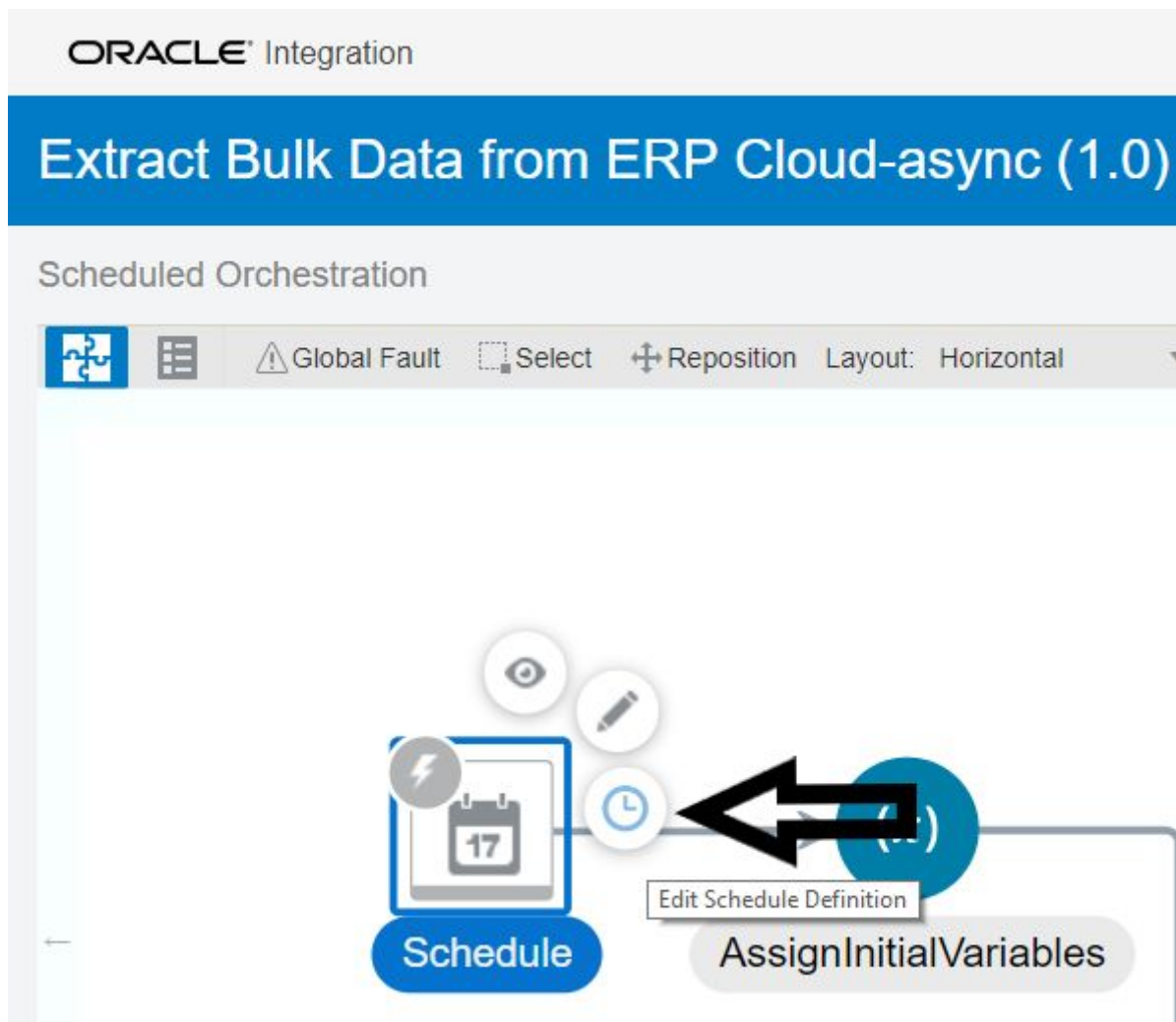
5. When the integration is deactivated, the **confirmation** note appears. Click on the flow name to open it.



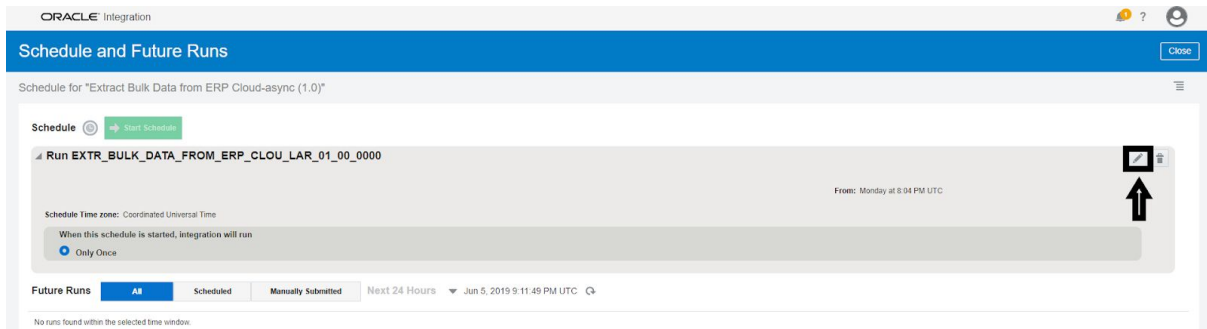
6. When it is opened select **Schedule** section.



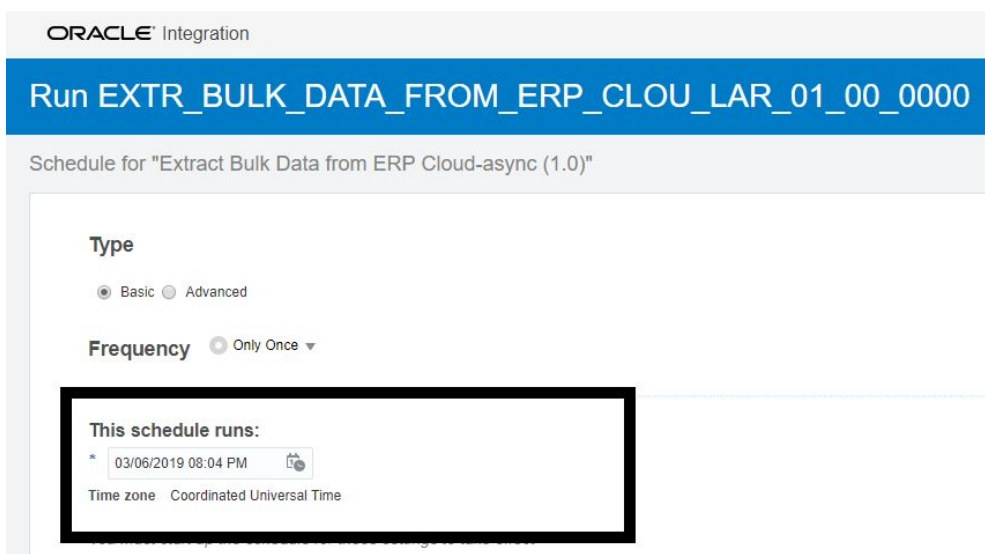
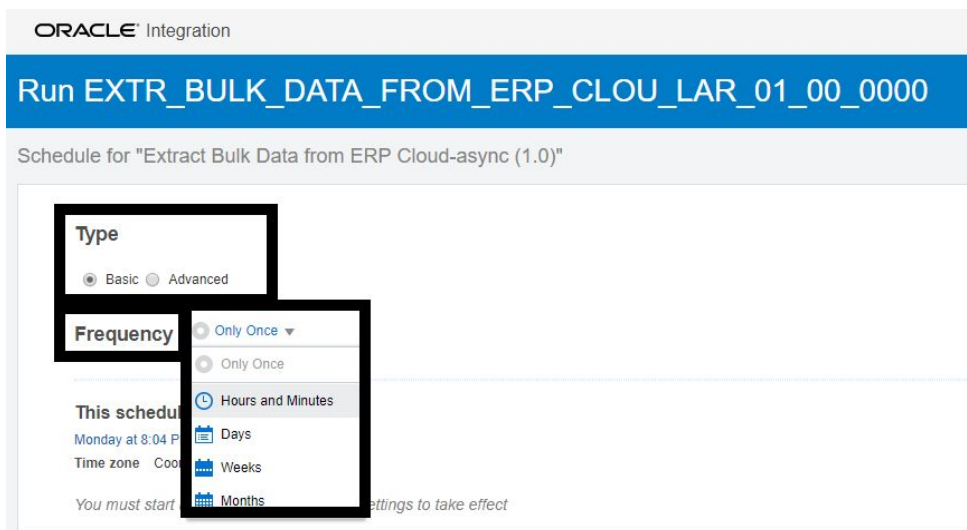
7. Three little icons appear next to it - select a **clock** little icon for editing of the schedule.



8. You will see the **schedule** page. Click on the little pencil icon on the top right hand side for editing.



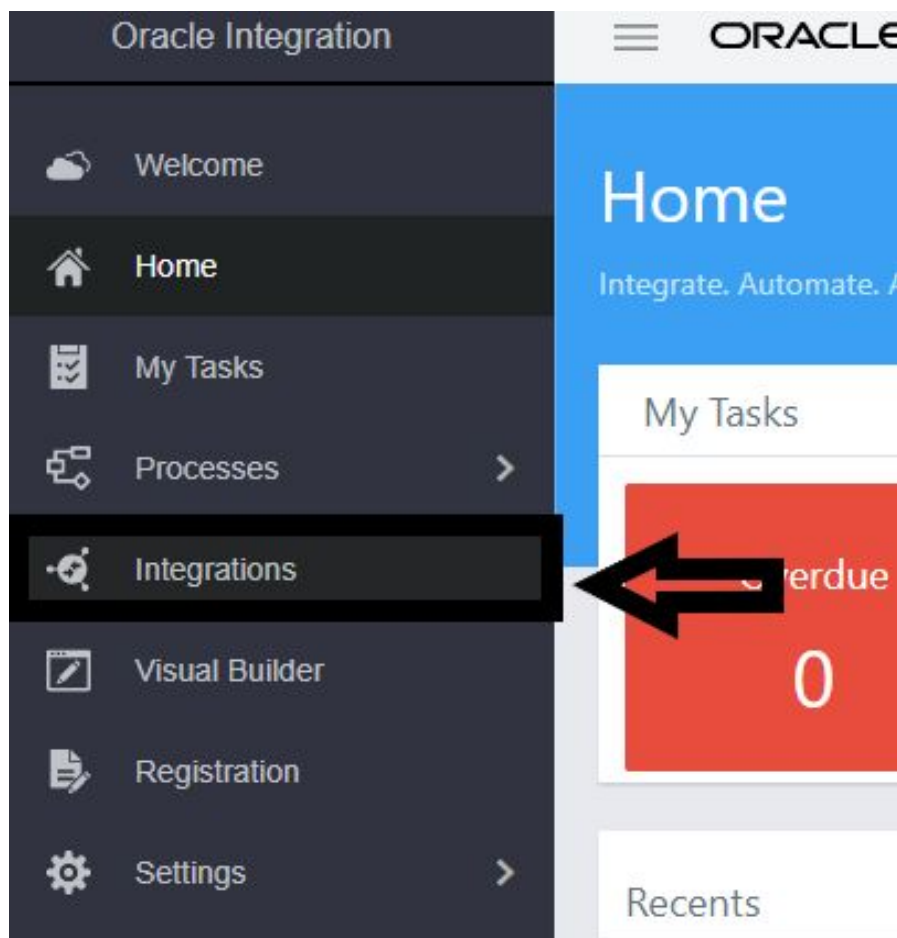
9. Select **Type**, **Frequency** and **Scheduler Start Date** and click **Save** and **Close**.



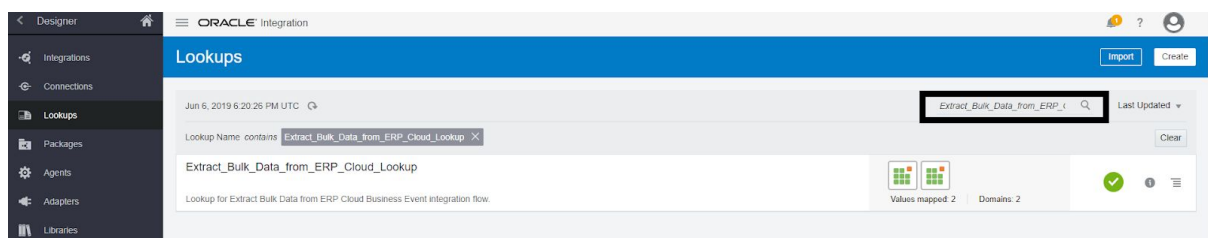
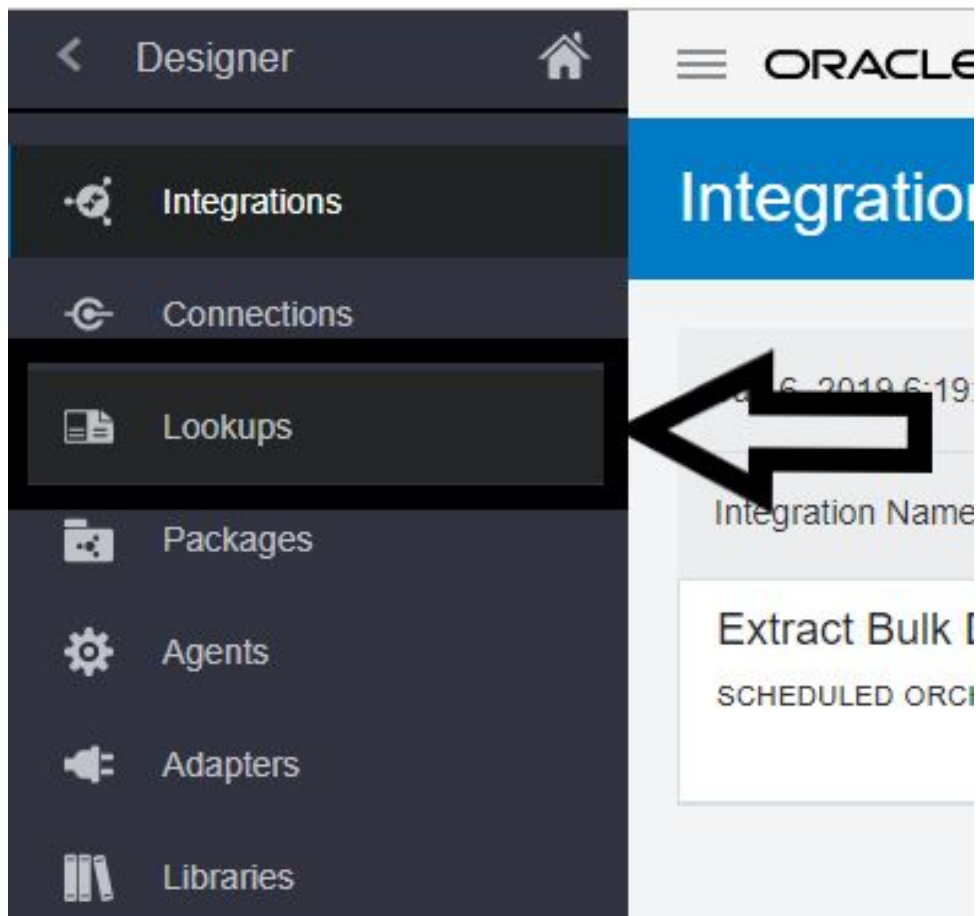
Note: You can also configure the schedule when activating the flow, or from the main page by clicking on the **Schedule**. See parts **6/A** and **6/B** of this User Guide.

C. Configuring Lookups:

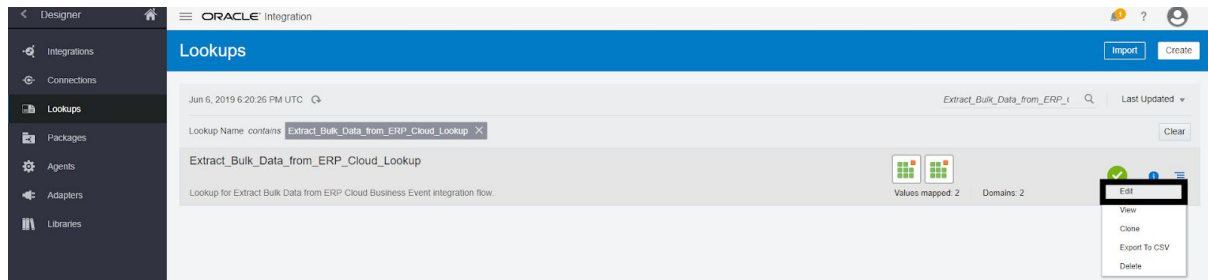
1. **Log in** to your OIC service as an admin user and open the “Integrations” page.



2. Select **Lookups** and write **Extract_Bulk_Data_from_ERP_Cloud_Lookup** in the search bar.

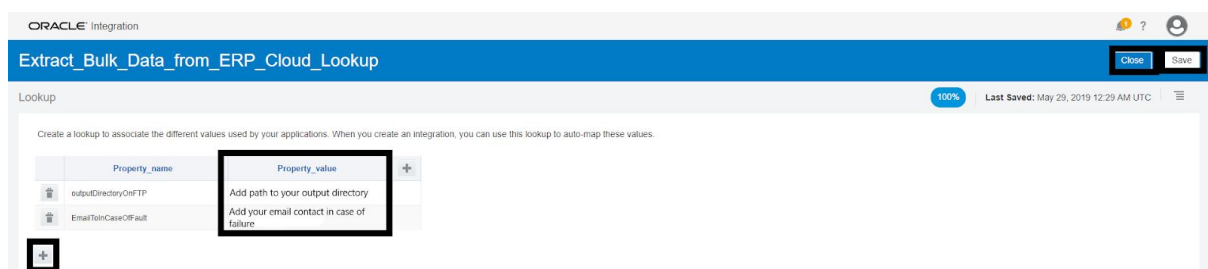


3. Click on the Actions menu and select **Edit**.



4. Enter **values** for your lookups.

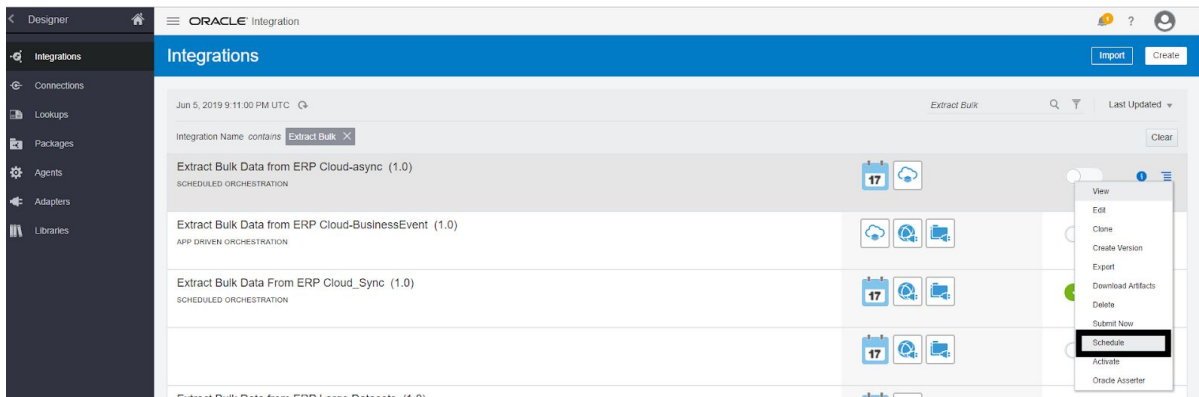
Note: You can add more lookups by clicking on the “+” sign.



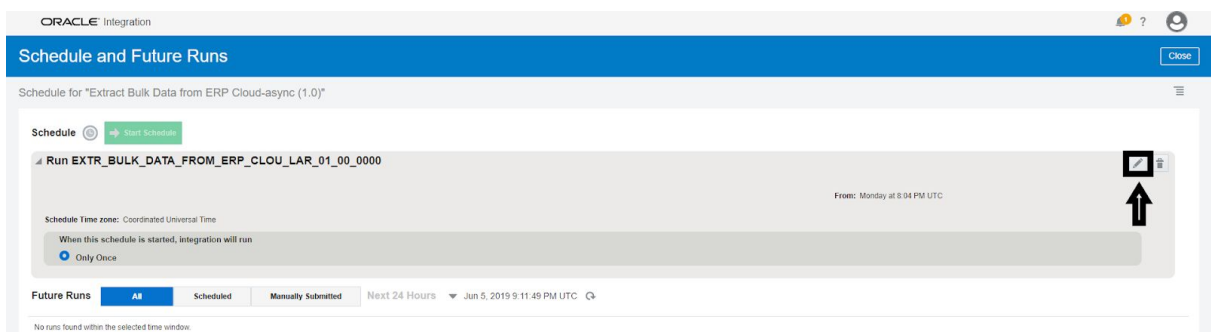
6. Activating and Submitting Integration

A. Setting up the schedule for Extract Bulk Data from ERP Cloud-async (1.0) while activating the flow

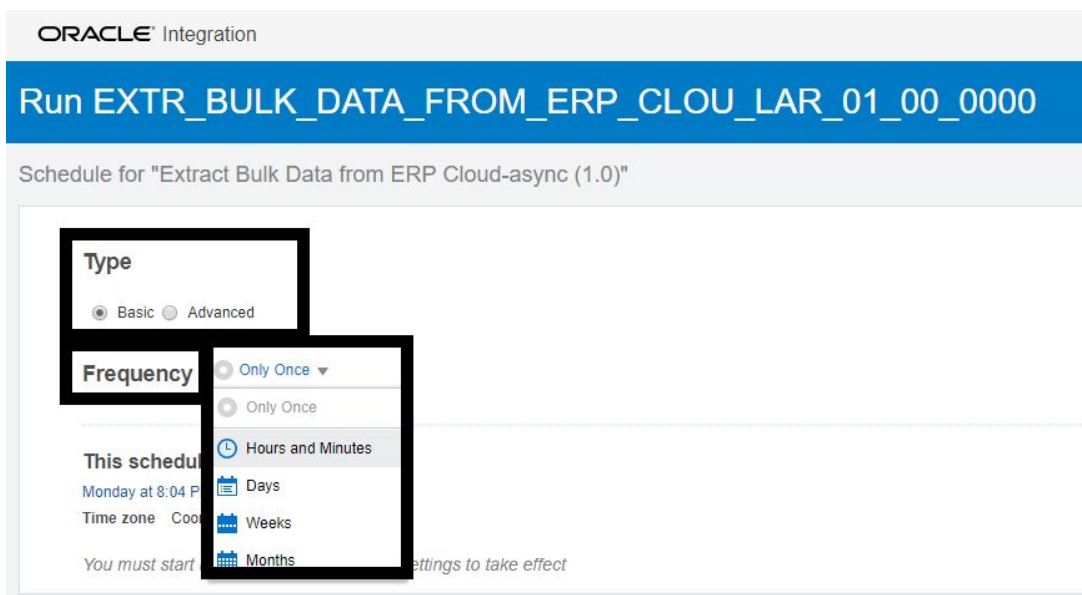
1. **Log in** to your OIC service as an admin user and open the “Integrations” page.
2. Select the integration flow called **Extract Bulk Data from ERP Cloud-async (1.0)** and then select **Schedule** from the Actions menu and click on it.



- Click on the little pencil icon on the top right hand side for editing.



- Select **Type**, **Frequency** and **Scheduler Start Date** and click **Save** and **Close**.



ORACLE Integration

Run EXTR_BULK_DATA_FROM_ERP_CLOU_LAR_01_00_0000


Schedule for "Extract Bulk Data from ERP Cloud-async (1.0)"

Type

☒ Basic ☐ Advanced

Frequency ☒ Only Once ▼

This schedule runs:

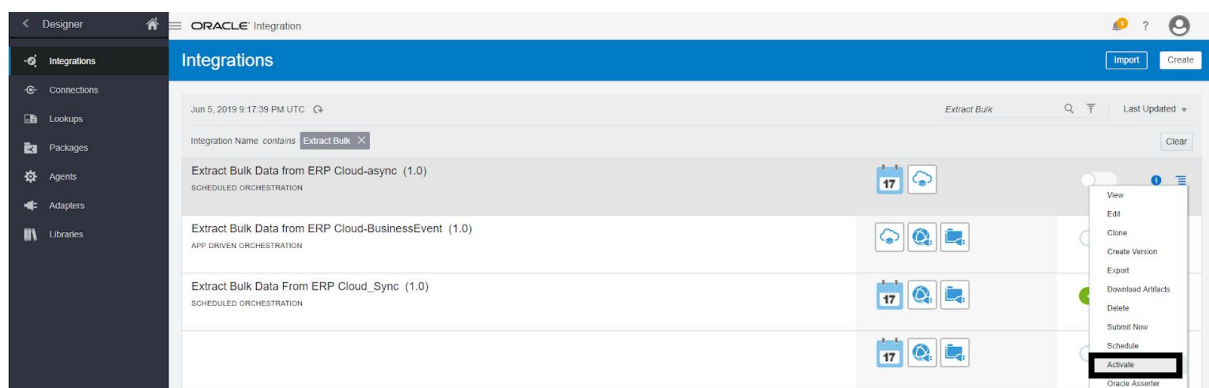
* 03/06/2019 08:04 PM 

Time zone Coordinated Universal Time

Note: You can set up the Schedule component when activating the integration flow. See **Part B** (below) of Activating Integration part of this User Guide.

B. Activating Extract Bulk Data from ERP Cloud-async (1.0) flow:

1. **Log in** to your OIC service as an admin user and open the "Integrations" page.
2. Select the integration flow called **Extract Bulk Data from ERP Cloud-async (1.0)** and then select **Activate** from the actions menu on the right hand side - the on/off icon will go green when activated.



3. In the Activate Integration modal window select from the following options:

Select/unselect **Contribute integration mappings to Oracle Recommends**.

Note: Oracle Integration leverages the collective intelligence to recommend which fields should be mapped while developing an integration. These recommendations are built based on the mappings contributed to Oracle Recommends anonymously. Unselect the checkbox if you do not wish to contribute the mappings. You may change this in recommendations page from settings menu.

- Select/unselect **Tracing** and **Payload**.

Note: When tracing is enabled, integration activity can be viewed in the Activity Stream.

Not recommended in a production environment.

Note: When payload is included, sensitive information from the payload is written into log files, which can be downloaded and viewed. This may pose a security risk, and also slow down your system.

Not recommended in a production environment.

- Select either **Activate** or **Activate and Schedule**.

Note: When selecting **Activate** the flow will be **activated**.

When selecting **Activate and Schedule** you will be redirected to the Schedule part of the flow where you can set up the scheduler for this integration flow and it will be **activated**.

Activate Integration



Extract Bulk Data from ERP Cloud-async (1.0)

Schedule: A schedule can be defined to run this integration. To add it now, click "Activate and Schedule...". You can also [add it later](#).

Oracle Recommends

☒ Contribute integration mappings to Oracle Recommends.

i Oracle Integration leverages the collective intelligence to recommend which fields should be mapped while developing an integration. These recommendations are built based on the mappings contributed to Oracle Recommends anonymously. Unselect the checkbox if you do not wish to contribute the mappings. You may change this in recommendations page from settings menu.

[Learn More](#)

Oracle Asserter: When Asserter recording is enabled, payloads will be captured and integration instances will be recorded. Recordings can be played later and maximum five recordings will be maintained for an integration.

⚠ Oracle Asserter feature not supported for this integration. Please refer the documentation for supported types.

Tracing: When tracing is enabled, integration activity can be viewed in the Activity Stream.

☒ Enable tracing
☒ Include payload

⚠ When payload is included, sensitive information from the payload is written into log files, which can be downloaded and viewed. This may pose a security risk, and also slow down your system. Not recommended in a production environment.

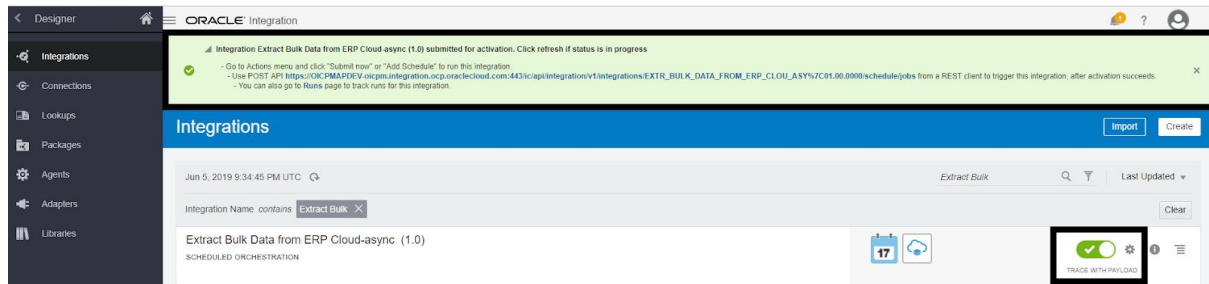
[Learn More](#)

Activate and Schedule...

Activate

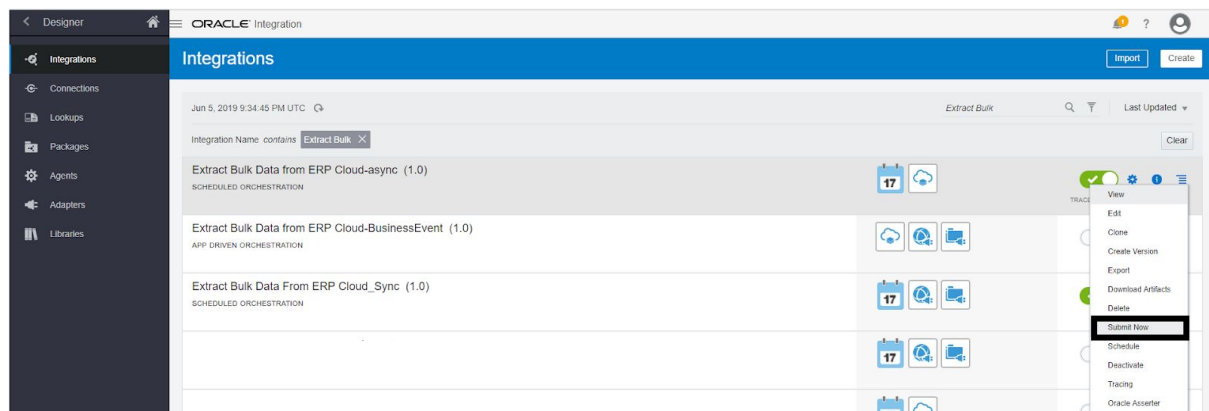
Cancel

4. The **confirmation** note appears at the top, the flow is activated.



C. Submitting Extract Bulk Data from ERP Cloud-async (1.0) flow:

1. **Log in** to your OIC service as an admin user and open the “Integrations” page.
2. Select the integration flow called **Extract Bulk Data from ERP Cloud-async (1.0)** and then select **Submit Now** from the Actions menu and click on it.



3. In the **Submit Now** modal window you have another opportunity to configure values for parameters (see part No.6 of this User Guide) for this integration and select/unselect an option to **Run as part of schedule** for these parameters. Click **Submit**.

Submit Now : Configure Schedule Parameters

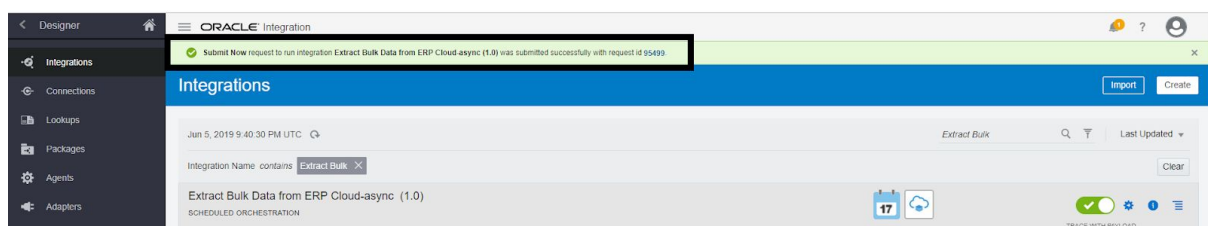
Configure values for Schedule Parameters. **New Value** replaces the currently stored value and will be used for the new run. **Current Value** indicates the currently stored value.

☒ Run as part of schedule

Parameter Name	Default Value	Current Value	New Value
EmailToInCaseOfFault			Enter new value
ErpScheduledJobName			Enter new value
ParametersForSched...	"default value 1, default value 2"	"Parameter_1, Parameter_2"	Enter new value

Submit **Cancel**

4. The **confirmation** note appears. The flow has been submitted.



7. Appendix - Mappings

Mappings for Extract Bulk Data from ERP Cloud-async (1.0):

Note: This is the scheduled orchestration part.

a. Mapping to query bulk data

Name	Source	Target
Map to queryBulkData	\$ErpScheduledJobName	/nstrgmpr:exportBulkData/ns trgmpr:jobName
	\$ParametersForScheduledJob	/nstrgmpr:exportBulkData/ns trgmpr:parameterList
	"EnableEvent=Y"	/nstrgmpr:exportBulkData/ns trgmpr:jobOptions
	"000"	/nstrgmpr:exportBulkData/ns trgmpr:notificationCode

Mappings for Extract Bulk Data from ERP Cloud-BusinessEvent (1.0):

Note: This is the app driven part.

a. Mapping to get a bulk object from a business event

Name	Source	Target
Map to getBulkObjectFromBusinessEvent	/nssrcmpr:onEvent/inp1:ErpExportBulkDataEvent/inp1:DOCUMENTID	/nstrgmpr:OutboundSOAPRequestDocument/nstrgmpr:Body/tns:getDocumentForDocumentId/tns:DocumentId

b. Mapping to write a file to an FTP server

Name	Source	Target
Map to writeFilesToFtp	concat (concat (xp20:format-dateTime (fn:current-dateTime(), "[YYYY]-[MM]-[DD]-[HH]-[mm]-[ss]"), "-"), \$getBulkObjectFromBusinessEvent/nsmpr1:getDocumentForDocumentIdResponse/nsmpr1:result/tns:DocumentName)	/nstrgmpr:WriteFile/nstrgmpr:OutboundFTPHeaderType/ns2:fileName
	dvm:lookupValue ("tenant/resources/dvms/Extract_Bulk_Data_from_ERP_Cloud_Lookup", "Property_name", "outputDirectoryOnFTP", "Property_value", "/oracle-large")	/nstrgmpr:WriteFile/nstrgmpr:OutboundFTPHeaderType/ns2:directory
	\$getBulkObjectFromBusinessEvent/nsmpr1:getDocumentForDocumentIdResponse/nsmpr1:result/tns:Content	/nstrgmpr:WriteFile/ns4:ICSFile/ns4:FileReference
	dvm:lookupValue ("tenant/resources/dvms/Extract_Bulk_Data_from_ERP_Cloud_Lookup", "Property_name", "outputDirectoryOnFTP", "Property_value", "/oracle-large")	/nstrgmpr:WriteFile/ns4:ICSFile/ns4:Properties/ns4:directory
	concat (concat (xp20:format-dateTime (fn:current-dateTime(), "[YYYY]-[MM]-[DD]-[HH]-[mm]-[ss]"), "-"), \$getBulkObjectFromBusinessEvent/nsmpr1:getDocumentForDocumentIdResponse/nsmpr1:result/tns:DocumentName)	/nstrgmpr:WriteFile/ns4:ICSFile/ns4:Properties/ns4:filename