Registering ESS (Oracle Enterprise Schedule) Job in Oracle Fusion

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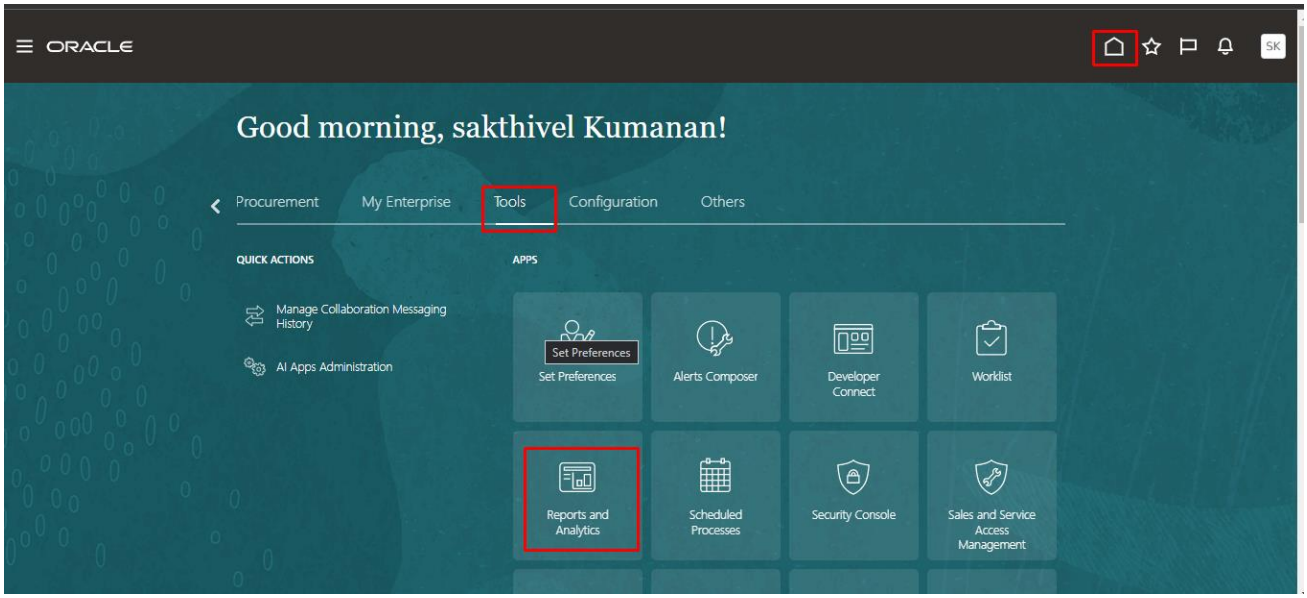
Creating the Data Model for the BI Publisher Report Extract:

A data model is an object that contains a set of **instructions for BI Publisher** to retrieve and structure data for a report.

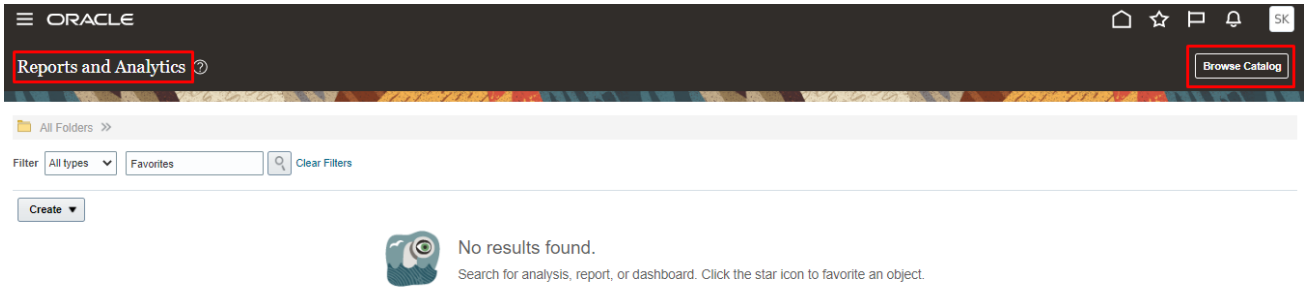
At the very simplest, a data model can be one data set retrieved from a single data source (for example, the data returned from the columns in the Po_Headers_all table). A data model can also be complex, including **parameters, triggers,** and **bursting definitions** as well as multiple data sets.

To build a data model:

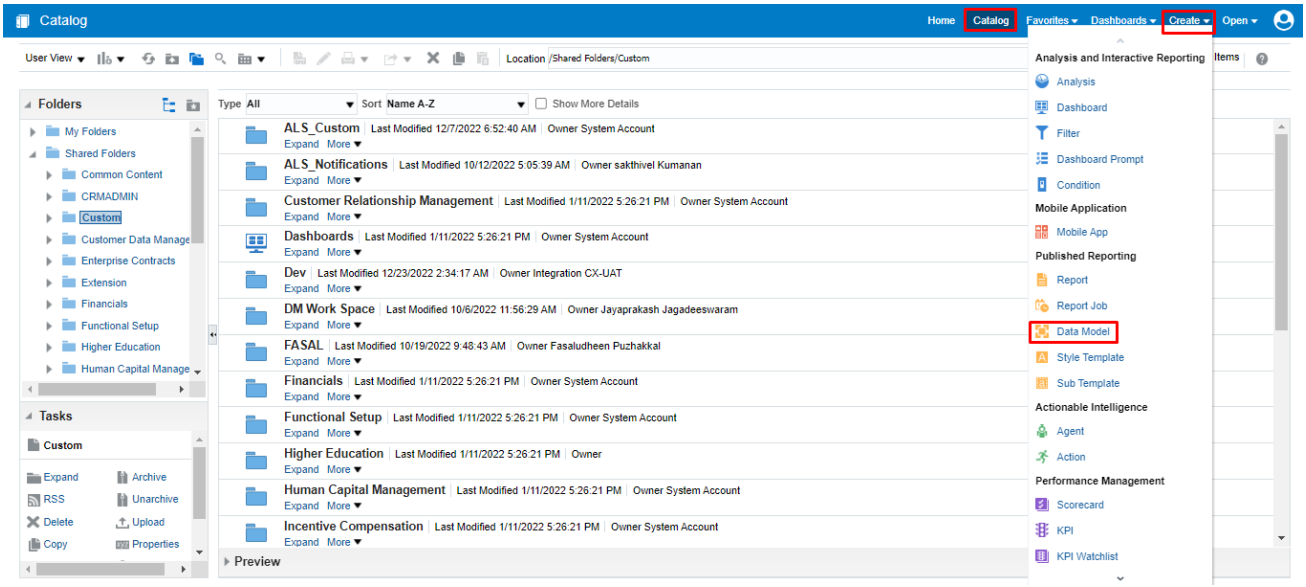
- In Oracle ERP Cloud **under Tool**, navigate to **Report and Analytics**.



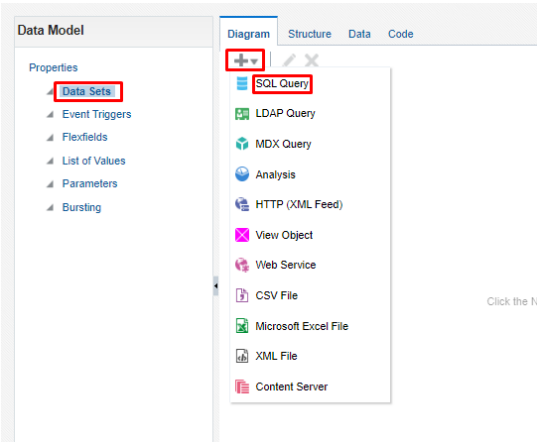
- When BI Publisher opens, click **Browse Catalog**.



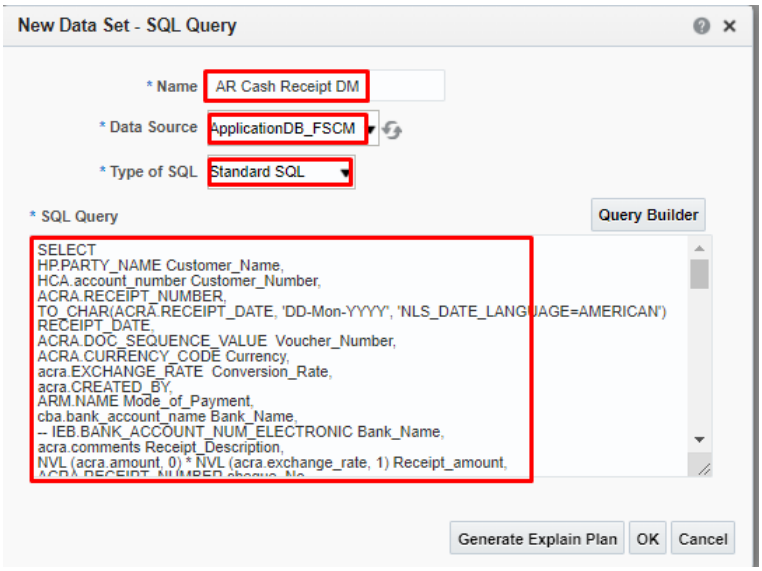
- When New Tab opens then click new and under **new** select **Data model** from creating new Data Model.



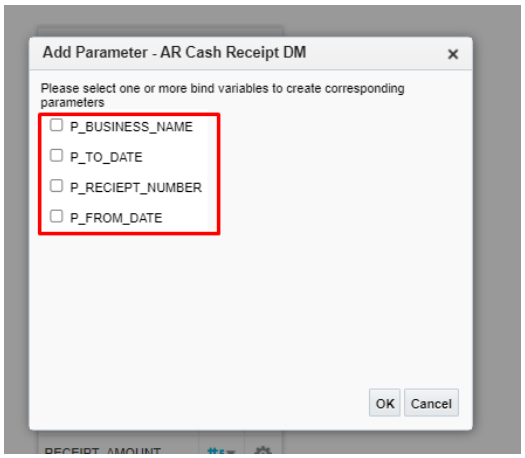
- From the Data Model page, select '**+**' icon and select **SQL Query** for creating new data set.



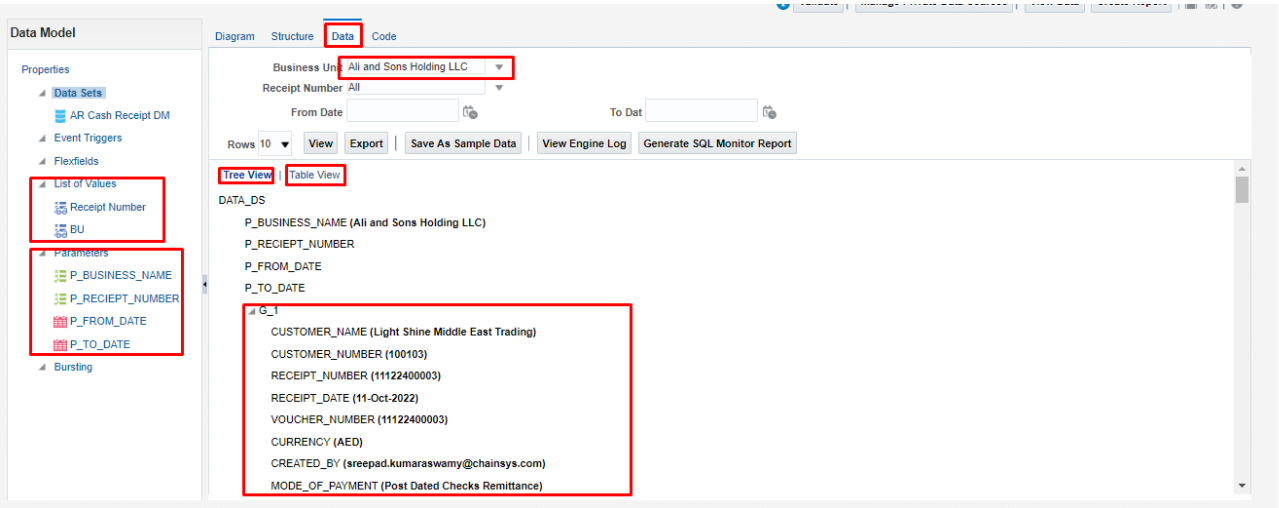
- Specify the name of the query and then in Type of SQL drop-down, select Standard SQL.
- In SQL Query, paste the SQL defined in the prior section and then click OK.



- In that query if any bind variable (parameter) contains that application awards you to **create the parameters** as you query contains name.
- You can simply click check box and create parameter for the report.

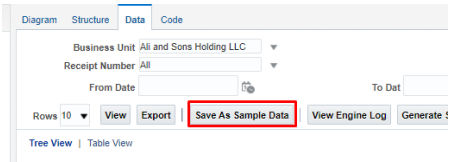


- From the Data Model page, click the **Data tab** to view sample data for the query by entering **sample values for the bind parameters**.
- Data may be viewed in both **tree** and **table formats**.

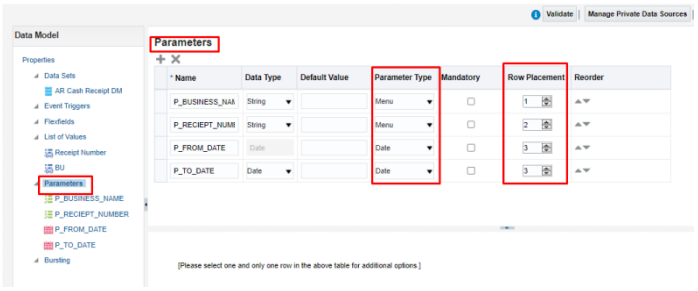


- Click Save as Sample Data.

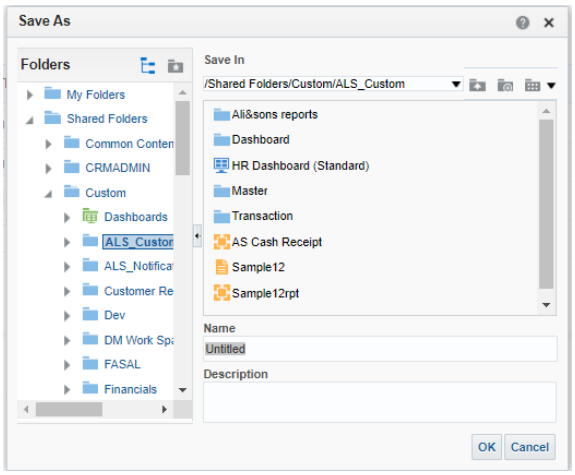
  Sample data is required to build the report layout and to preview the report definition.



- From the Data Model menu, navigate to Parameters, and then select Row Placement Order.



- The order is important, and the same order should be defined in the report definition.
- Confirm the row and click Save.
- You are prompted to **select the location** to which to save the data model.



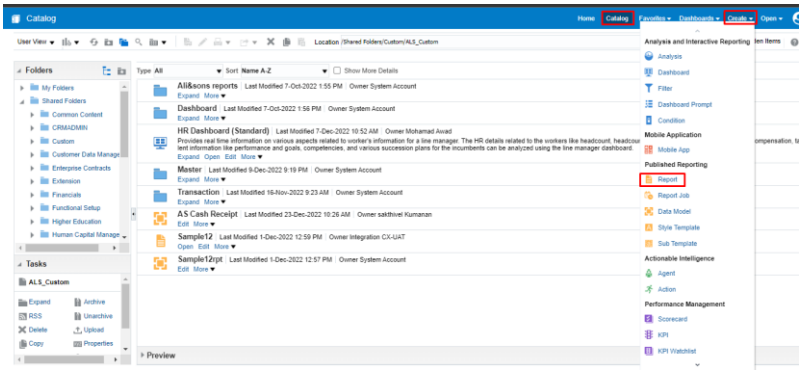
- Give the data model name and save the data model.
- After the data model has been saved, it can be used as the basis for the BI Report Creation.

Crating the BI Report based on the Data Model

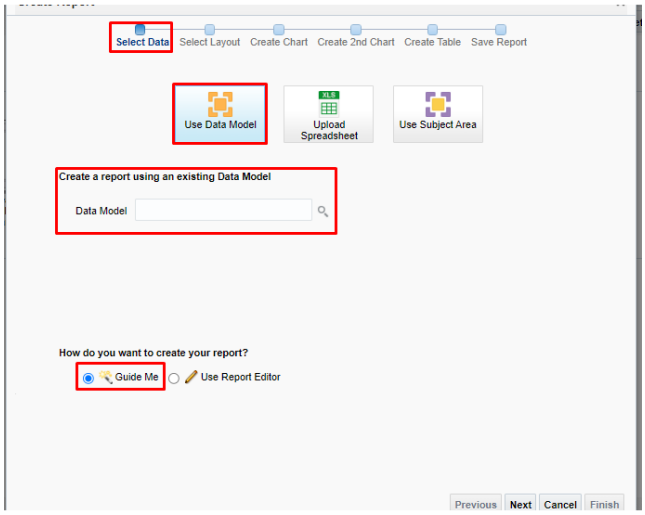
In this step you create the Oracle Business Intelligence Publisher report used as the data source for the Previous created data model.

To create the BI Publisher report.

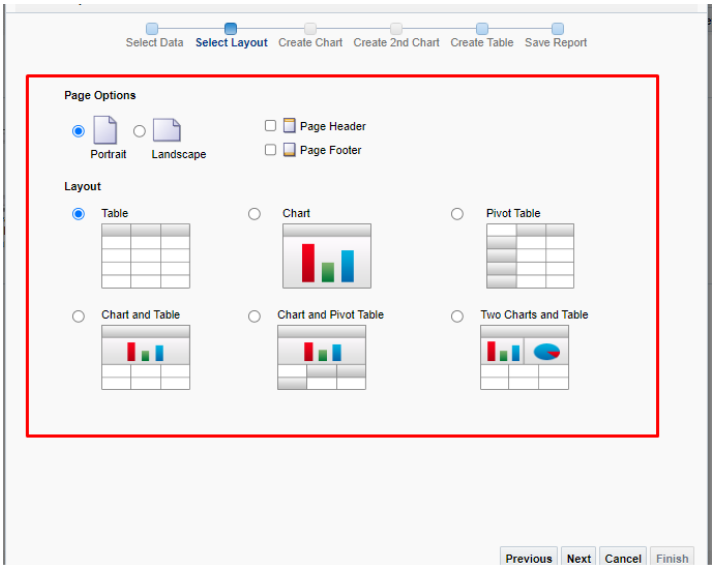
- In BI Publisher, select **New**, then under Published Reporting, select **Report menu** option to **create a new report**.



- On the **Create Report** page, click **Use Data Model** to use an existing data model and then from **Create a report using an existing Data Model**, select the data model and then click **Next**.

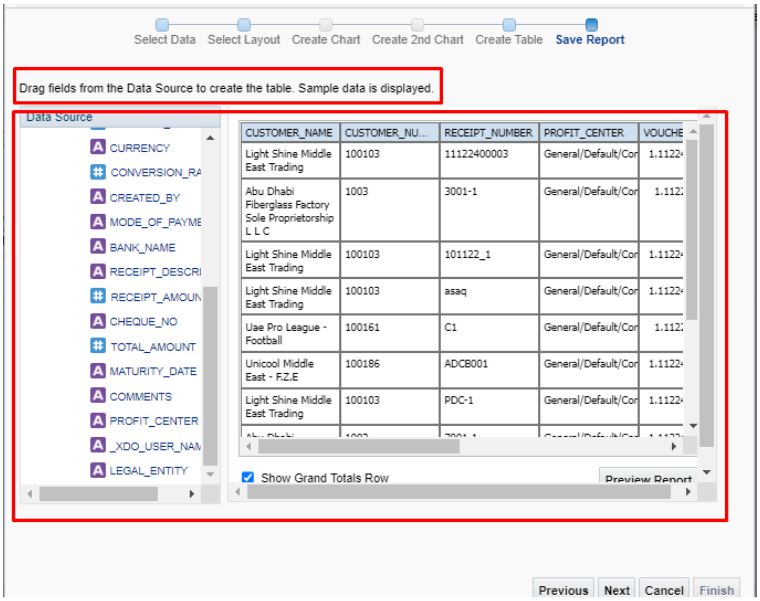


- On the **following page**, you can create your **Custom layout**, or you can **leave the default values**.

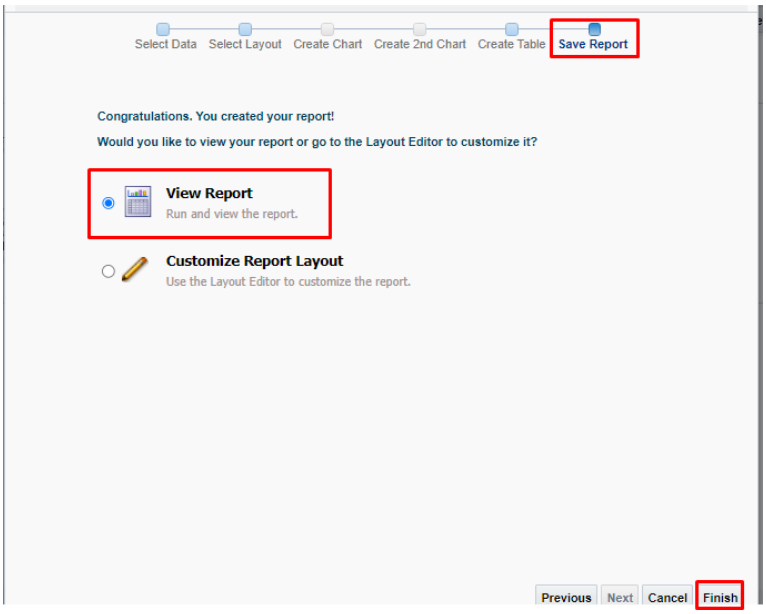


- On the next page, **uncheck the Show Grand Totals Row field at the bottom of the page.**

- On the same page, **drag and drop the columns from the Data Source** in the left pane to the layout area in the right page including all columns for the extract.
- The **displayed sample data is based on the sample data generated** when you created the data model.

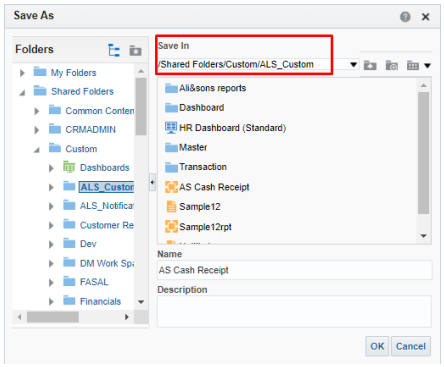


- Click **Finish**.

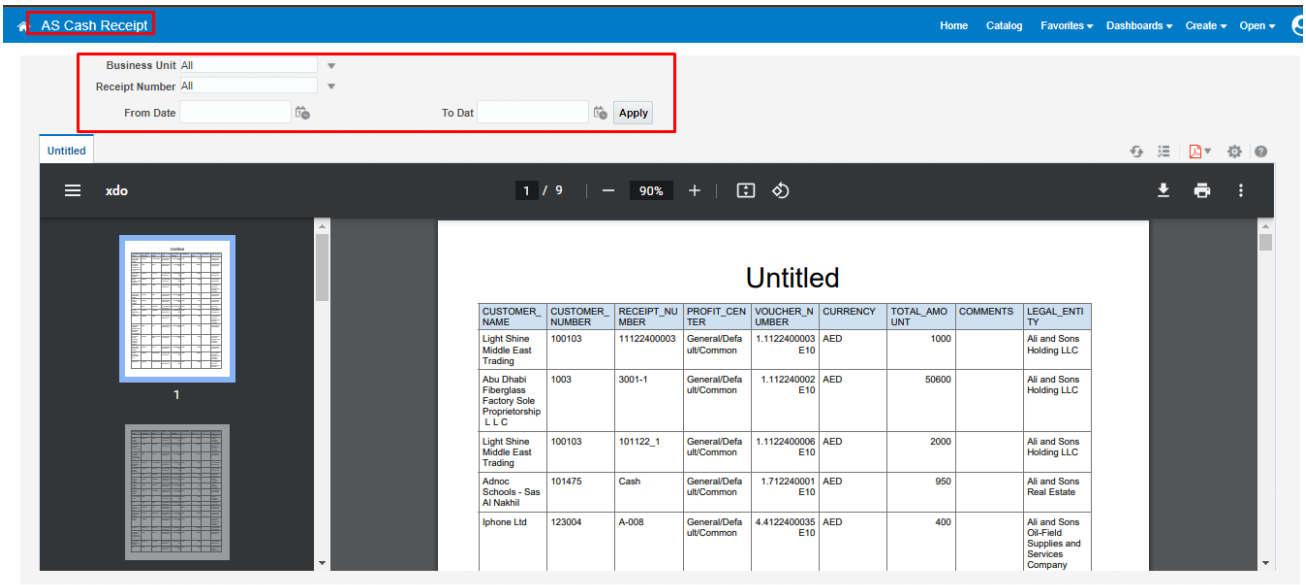


- Save the report to the **desired location**.

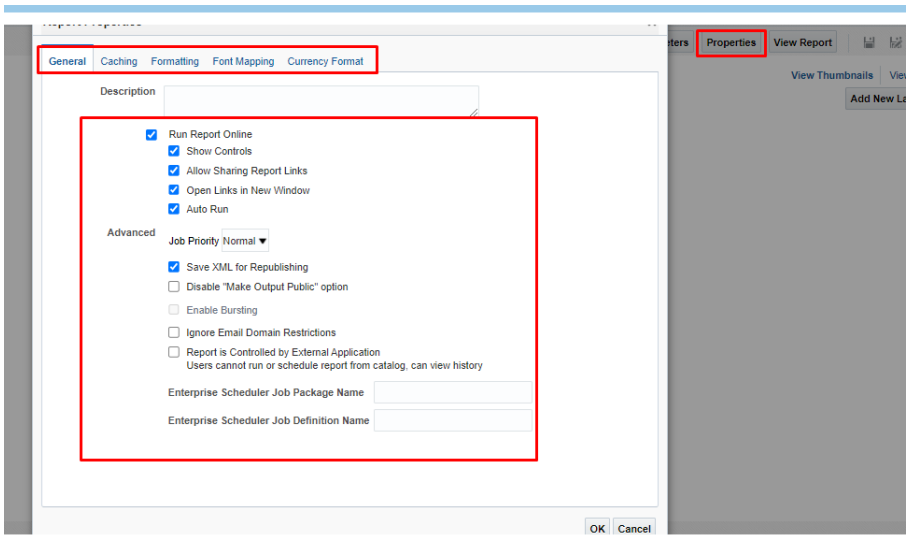
In this example, the report definition is saved to */Custom/ALS_Custom/AS Cash Receipt.xdo*



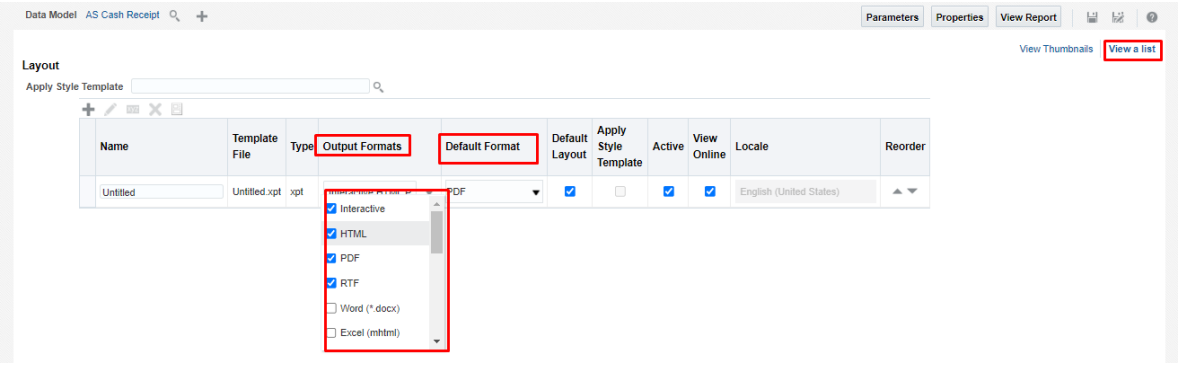
- After the report is saved**, run the report to confirm that the data is displayed correctly**. Then **provide sample** values for the **bind parameters if needed**.



- You can modify the report as you want in report properties, and you can add more then one layout against one parameter.



- You can set output format in view list menu.

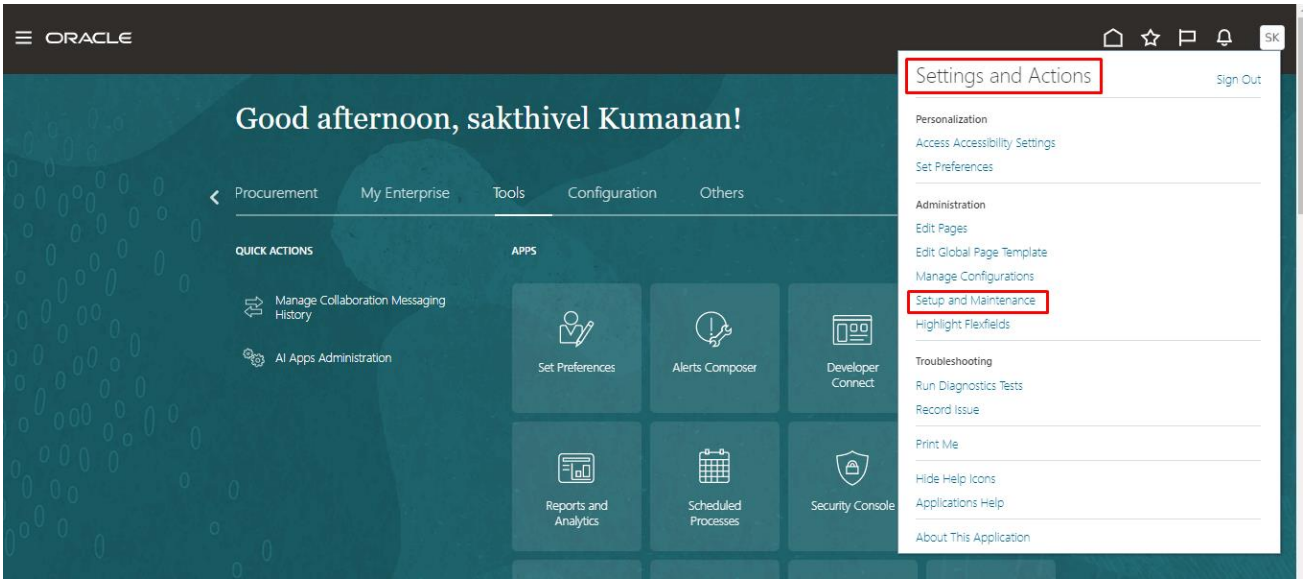


Creating An Oracle Enterprise Scheduler (ESS) Job

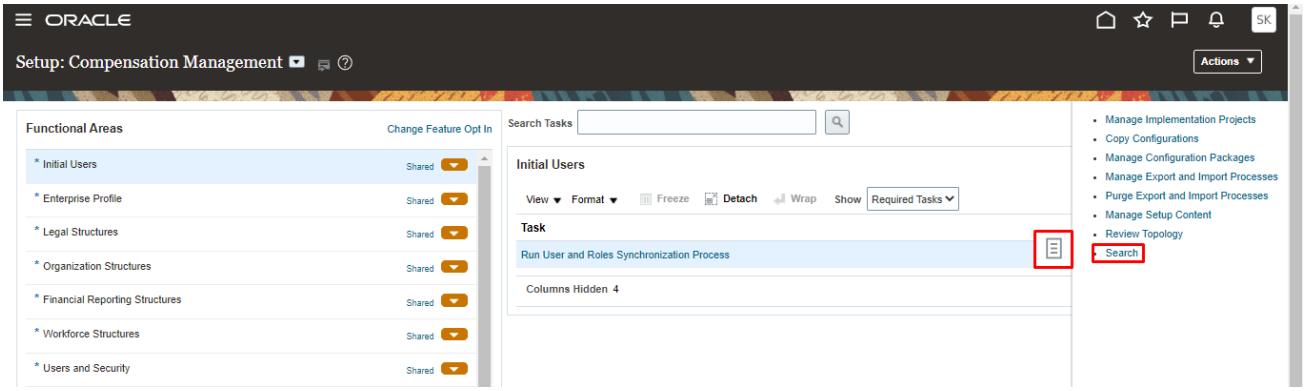
You register the **Oracle Business Intelligence Publisher report** as an **Oracle Enterprise Scheduler (ESS) Job** to run an integration in **asynchronous mode**. This mode enables you to schedule a job to be executed at specific intervals not subject to timeout restrictions.

To create an ESS job and run an extract in asynchronous mode:

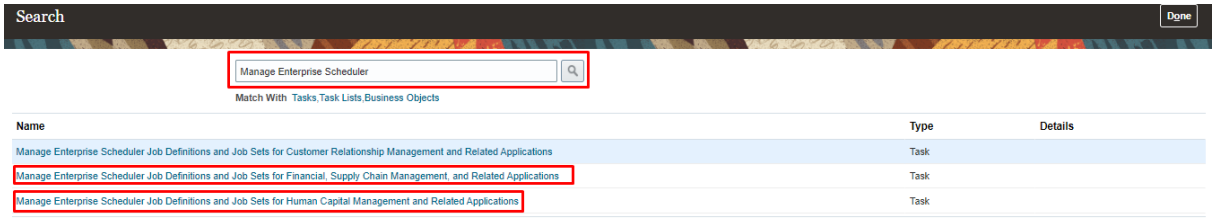
- In BI Publisher, navigate to **Settings and Actions**, and then select **Setup and Maintenance**.



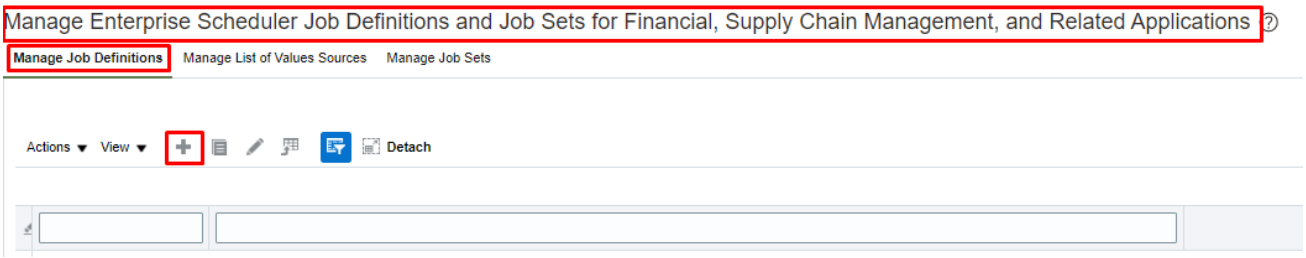
- Click **Search**.



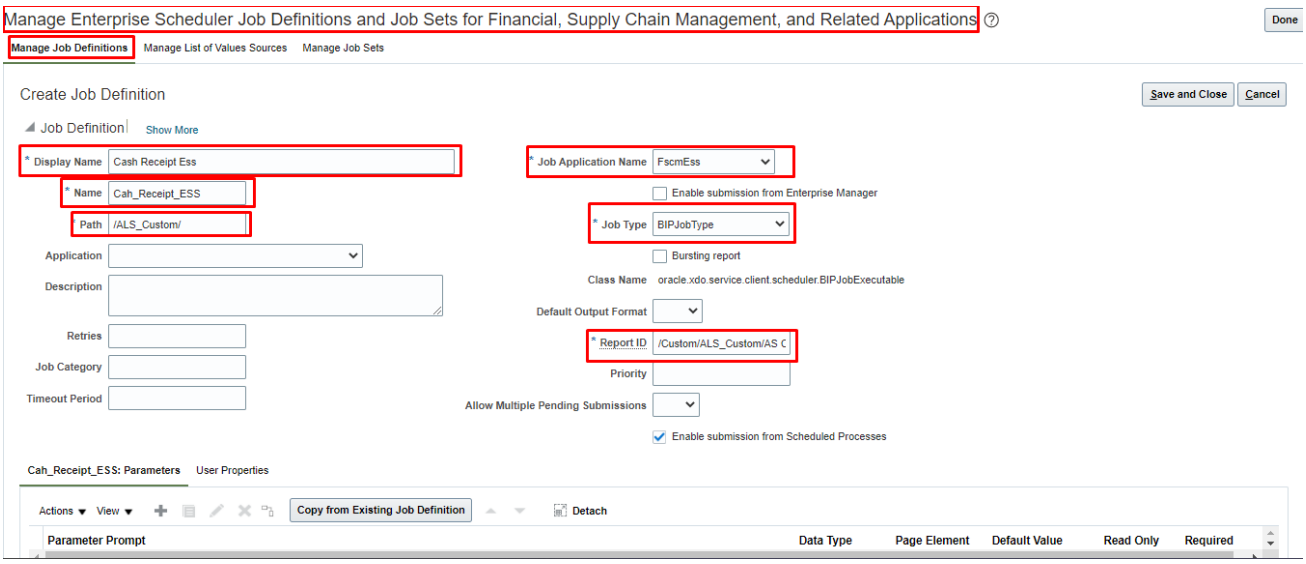
- Search for **Manage Enterprise Scheduler** and then select **Manage Enterprise Scheduler Job Definitions and Job Sets for Financial, Supply Chain Management, and Related Applications**. for HCM module **Manage Enterprise Scheduler Job Definitions and Job Sets for Human Capital Management and Related Applications**



- On the Manage Job Definitions page, click shows the **Add icon**. to **add or create a new ESS job**.

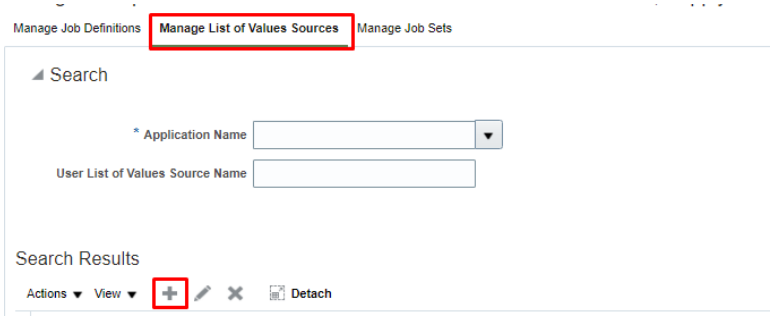


- On the **Manage Enterprise Scheduler Job Definitions and Job Sets for Financial, Supply Chain Management**, and Related Applications page, **complete the following fields**:
    - **Display Name**—Enter a user-defined name for the extract. This name is displayed under Scheduled Processes.
    - **Name**—Specify an alphanumeric name without spaces and special characters.
    - **Path**—Specify the path where to save the ESS job.
    - This path is created as a subfolder of /oracle/apps/ess/custom. For example, if you specify epm, then the ESS Job path is /oracle/apps/ess/custom/epm.
    - **Job Application Name**—Select FscmEss.
    - **Job Type**—Select **BIPJobType.**
    - **Report ID**—Specify the report path of the custom report defined in the Creating the BI Publisher Report Extract step. For example, specify */Custom/ALS_Custom/AS Cash Receipt.xdo*

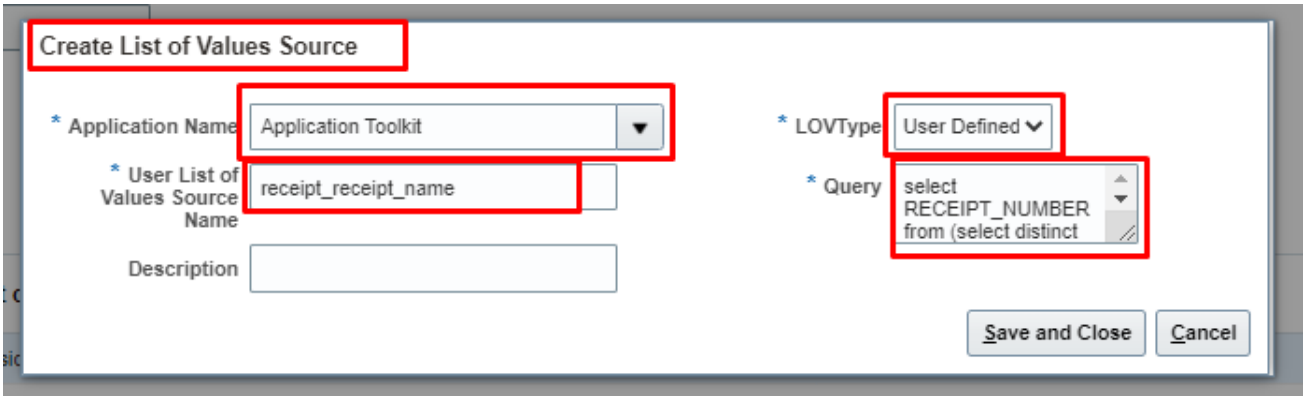


- On the Data Model components pane, then Parameters, click Create Parameter page.
- Create parameters for each of the custom report parameters defined in BI Publisher in the same order that they were created for the report.

  For LOV Columns you shout create LOV source first in **Manage List of Values Sources** page and then you can create parameter in ess registration.



- You click '+' icon and crate LOV sources.
- You should choose application name as **Application Toolkit**
- You select your own list of value source name.
- In LOV type you select user defend and under box you write your own SQL LOV query.



Assign the parameters:

- Assign the previous created parameters to the registering the ESS Page.
- And Run the ESS in tools schedule process page.