

Oracle Analytics Publisher Web Service Reports
Oracle FLEXCUBE Universal Banking
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1. Server Setup for Web Service Based Oracle Analytics Publisher Reports

1.1 Introduction

This chapter explains the method to setup the web services based reports on Oracle Analytics Publisher.

1.2 Prerequisites

Before you continue, ensure that Oracle Analytics Publisher on the server machine.

1.3 Deploying BIP Reports

This section guides you through the deployment of Oracle Analytics Publisher reports. This reports deployment involves the following steps:

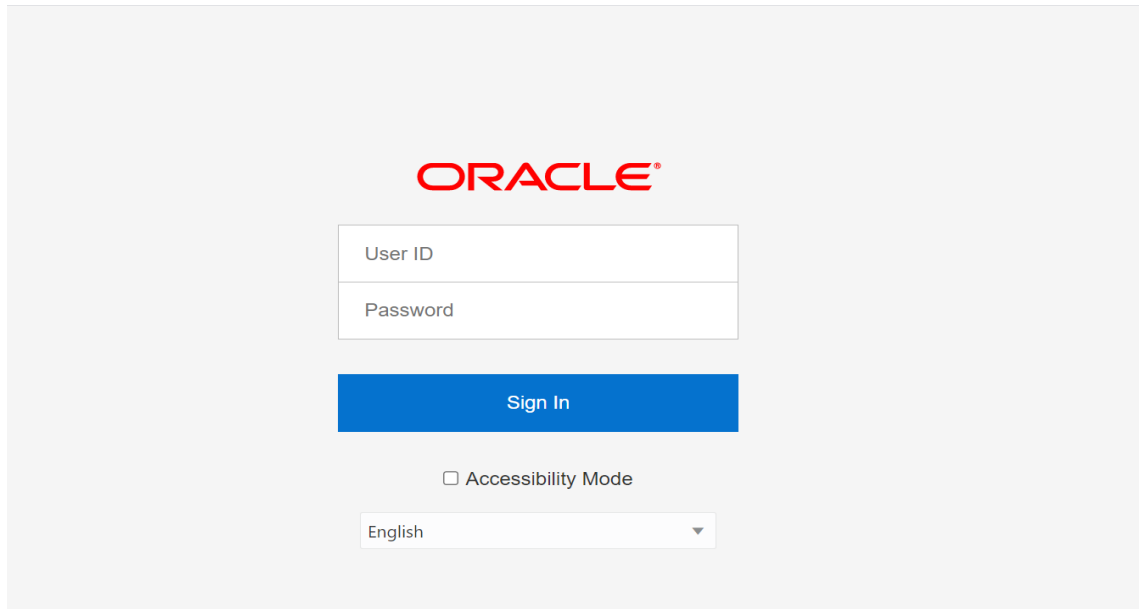
- Setup Oracle Analytics Publisher Server
- Setup Oracle Analytics Publisher Data Source
- Create Oracle Analytics Publisher FC Reports folder
- Configure Oracle Analytics Publisher Currency

These steps are explained under the following headings.

1.3.1 Setting up Oracle Analytics Publisher Server

For setting up Oracle Analytics Publisher server, follow the steps below.

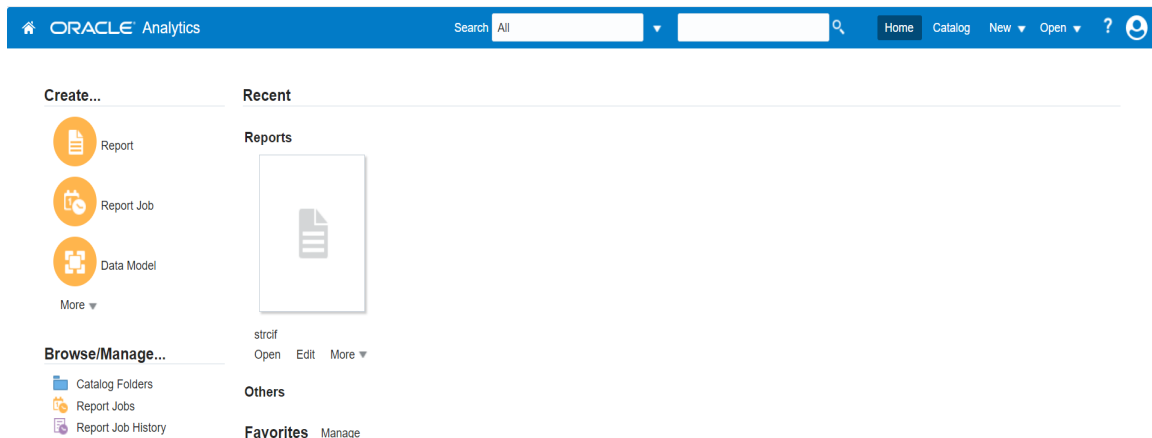
1. Go to Oracle Analytics Publisher's Administration Console.

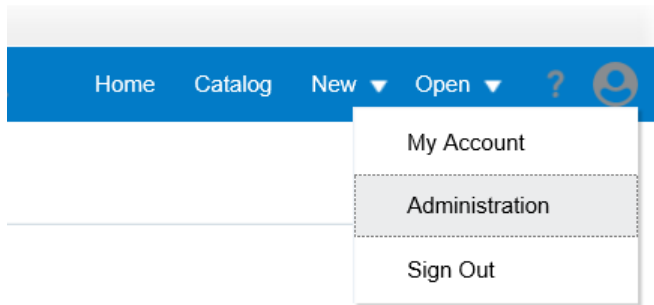


The image shows the Oracle Analytics Publisher Administration Console login interface. At the top center is the Oracle logo in red. Below it are two input fields: 'User ID' and 'Password'. A blue 'Sign In' button is positioned below these fields. Under the button is a checkbox labeled 'Accessibility Mode'. At the bottom is a language dropdown menu currently set to 'English'.

Specify the user name and password and click 'Sign In' button to sign in.

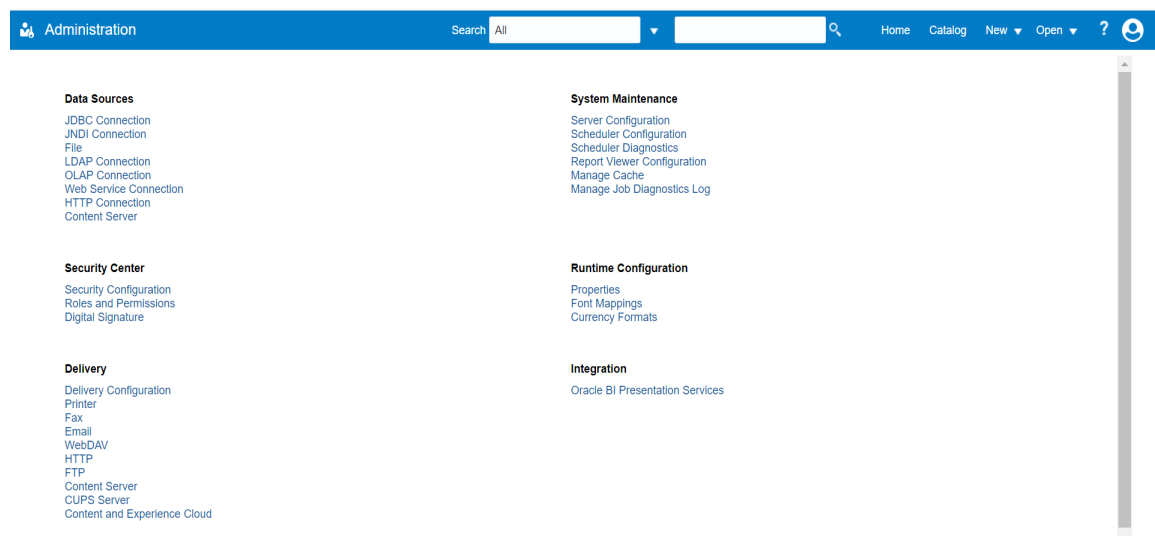
On successful login, the following screen is displayed.





Click the link 'Administration' on the top right of the screen, appearing on click of User icon.

The following Administration screen is displayed.



Click 'Server Configuration' under 'System Maintenance'.

The following screen is displayed.

Administration > Server Configuration

System Maintenance

Server Configuration | Scheduler Configuration | Scheduler Diagnostics | Report Viewer Configuration | Manage Cache | Manage Job Diagnostics Log

TIP Any changes will only take effect after the application is restarted.

Catalog

The Catalog contains all content such as reports and data models.

Catalog Type: Oracle BI EE Catalog

Server Version: v7

Connection protocol: TCP

Test Connection

BI Publisher repository: /scratch/app/domains/oas59/FC145BIP/bidata/components/bipublisher/repository

BI Search URL: http://fsgbu-mum-937.snbomprshared1.gbucdsint02bom.oraclevcn.com:9505/bisearch/rest/BISearchQueryService/search

BI Search Group name: bisearch_ws

BI Search Timeout (millisecond): 6000

General Properties

System Temporary Directory:

Report Scalable Threshold:

Specify the following details:

Cache Expiration (Minutes)

Specify the duration for which the data need to be stored in the cache. You need to specify the duration in terms of minutes.

Cache Size Limit

Specify the maximum size allowed for cache.

Maximum Cached Report Definition

Specify the maximum number of reports that can be stored in cache.



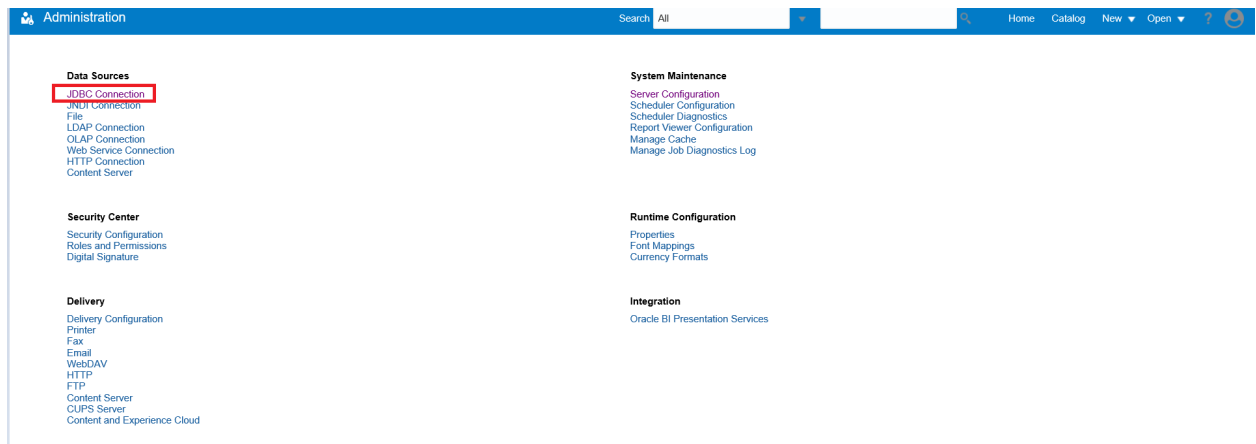
Cache related settings are optional.

Once you have specified the above details, click 'Apply'.

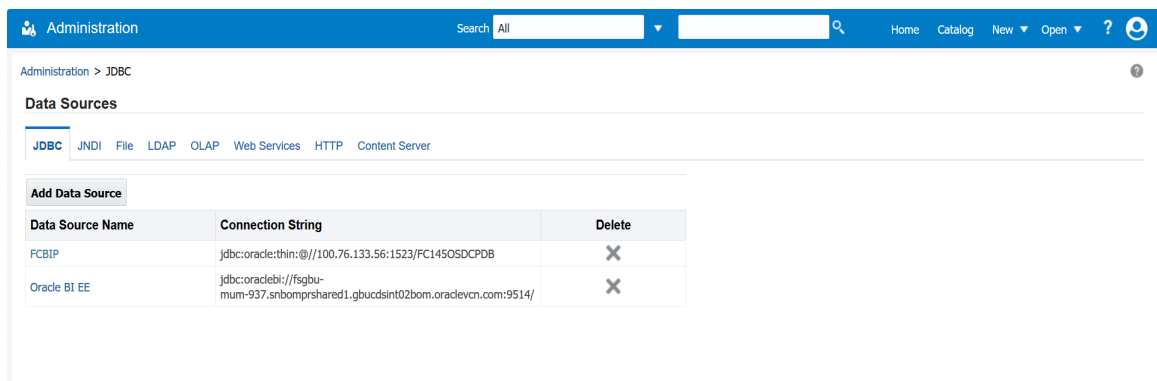
This completes the process of BIP service setup.

1.3.2 Setting Up Oracle Analytics Publisher Data Sources

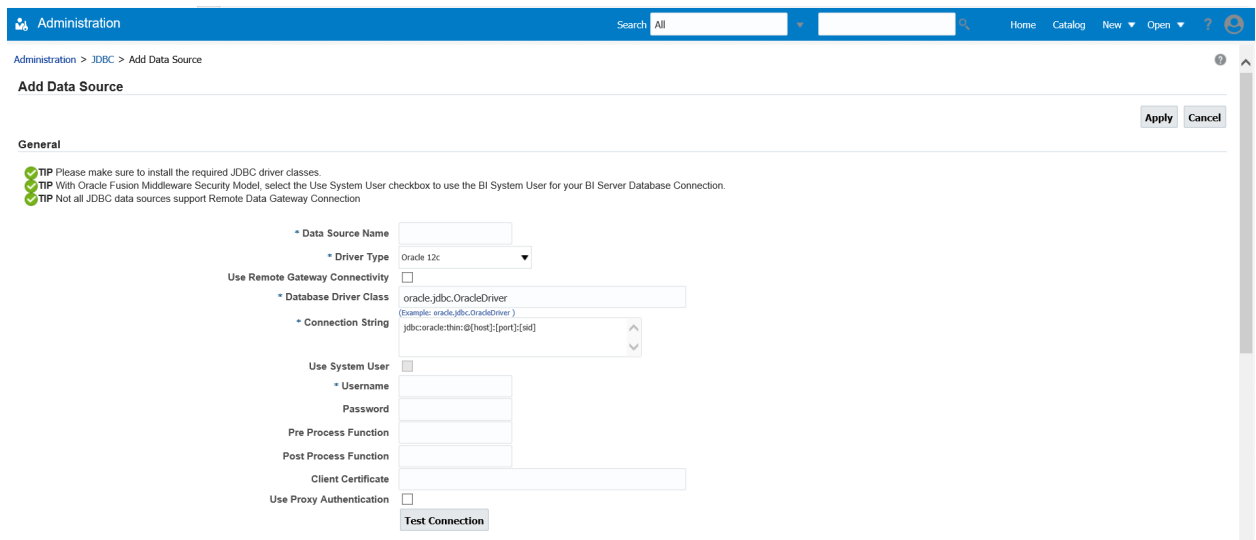
For setting up BI Publisher data sources goto the 'Administration' page.



Click 'JDBC Connection' under 'Data Sources'. The following screen is displayed.



Click 'Add Data Source' button under 'JDBC' tab. The following screen is displayed.



Specify the JDBC connection details as shown in the screen.



Ensure that the data source name displayed on the screen is the same as the one provided or 'defaultDataSourceRef' in the function ID specific report xdm files. All the xdm files should have the same defaultDataSourceRef.

Enter the details, and click 'Test Connection' button. On successful connection, you will see a confirmation message on the screen.

Once the connection testing is successful, Click 'Apply' button. This completes the process of BIP data source setup.

1.3.3 Creating Oracle Analytics Publisher 'FCReports' Folder

For creating Oracle Analytics Publisher FCReports folder, follow the steps below.

1. In the shipment media, copy all the files from the following folders to a common location:

- MAIN/<Module>/Datamodels_12c
- MAIN/<Module>/Reports_12c

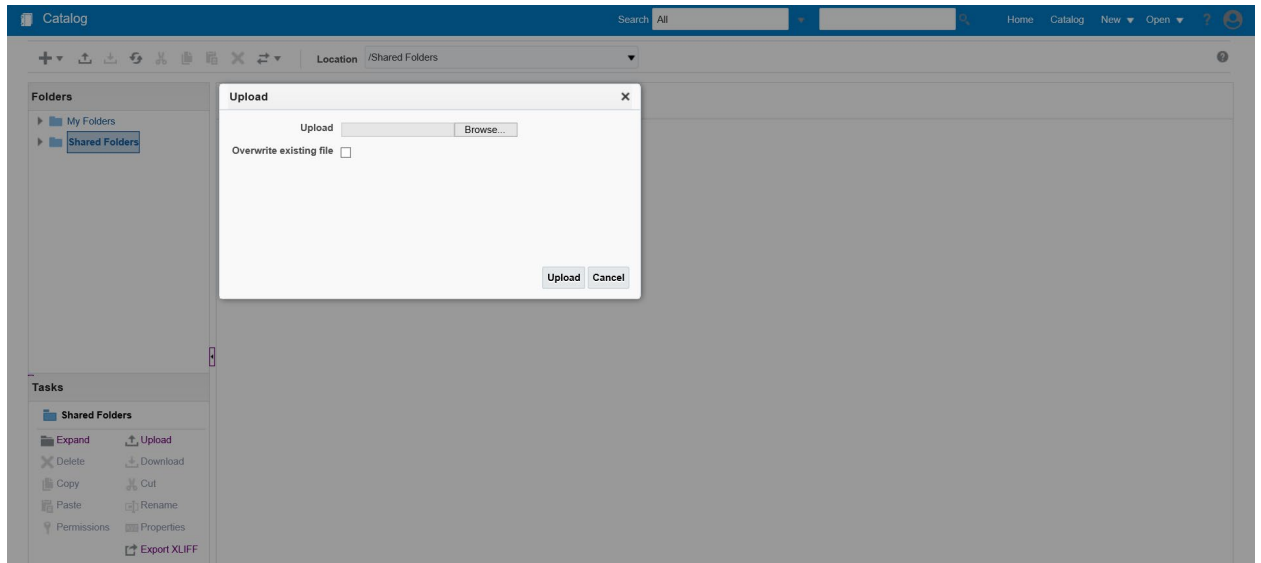
Along with these create a folder called 'Adv' and keep the files under these directories

- MAIN/<Module>/Advices_12c/Datamodels_12c
- MAIN/<Module>/Advices_12c/Reports_12c (except Branch Module)
- MAIN/<Module>/Advice_12c/XSD

For example:

Name	Date modified	Type	Size
Adv	9/2/2016 10:54 AM	File folder	
acrdlbn.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrfdcr.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrgpbal.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrijnal.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrmrevl.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrpcash.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrpcshd.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrpfbvl.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrpmove.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrrval.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrstmnt.xdmz	7/27/2016 12:14 PM	XDMZ File	2 KB
acrstmov.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acruncol.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acst_detailed.xdmz	7/27/2016 12:20 PM	XDMZ File	2 KB
additionalcollateralletter.xdmz	8/8/2016 11:06 AM	XDMZ File	4 KB
additionalinformationletter.xdmz	8/8/2016 11:06 AM	XDMZ File	4 KB
advice_cr_instrbn.xdmz	7/27/2016 4:31 PM	XDMZ File	2 KB
amrfdhd.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
amrfunbl.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
amrnvmv.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
ApplicantDependencyAnalysis.xdmz	8/8/2016 12:08 PM	XDMZ File	4 KB
ApplicantOverallAnalysis.xdmz	8/8/2016 12:08 PM	XDMZ File	4 KB
ApprovedIslamicFinancingCreationDeals...	8/8/2016 11:08 AM	XDMZ File	4 KB
ApprovedLoanCreationDeals.xdmz	8/8/2016 12:08 PM	XDMZ File	4 KB
bcrendoc.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrmltnr.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrobefr.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrobtbp.xdmz	7/26/2016 12:23 PM	XDMZ File	4 KB
bcrobuds.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrobunp.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcroddcc.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB

Select all these and zip as FCReports.zip. Then rename this to FCReports.xdrz

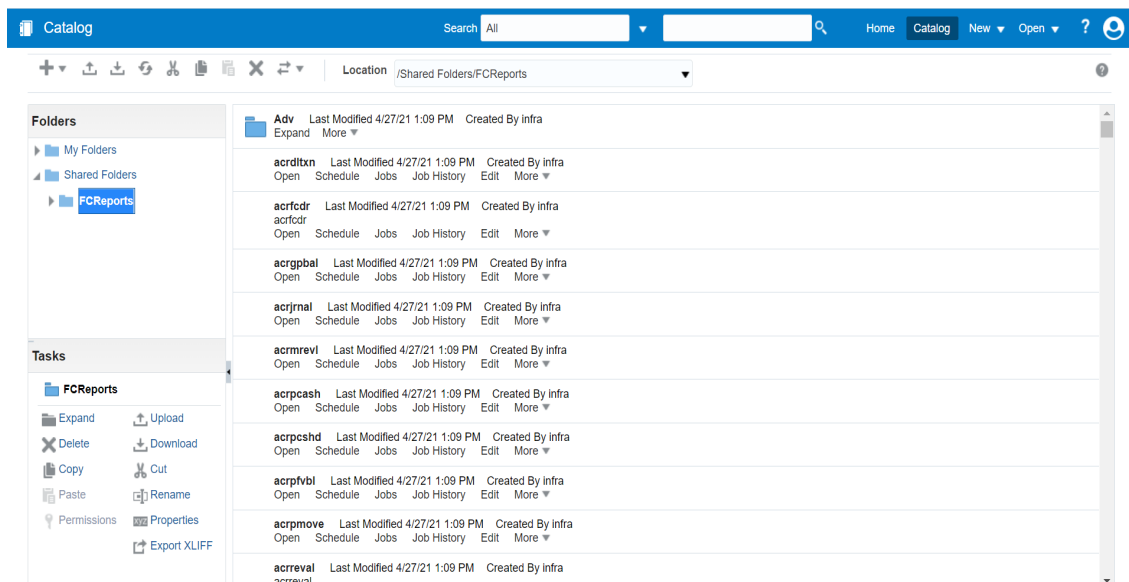


Deploy this file as follows:

Select the Catalog option in the top menu.

Click on Shared Folders in Folders and click on upload button(at the bottom), browse the FCReports.xdrz file and click on upload.

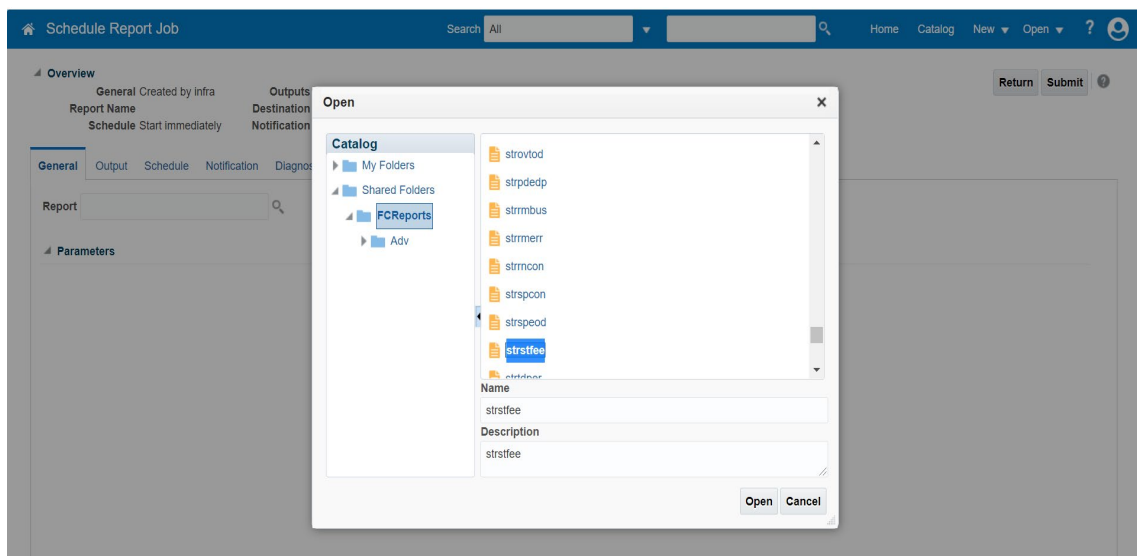
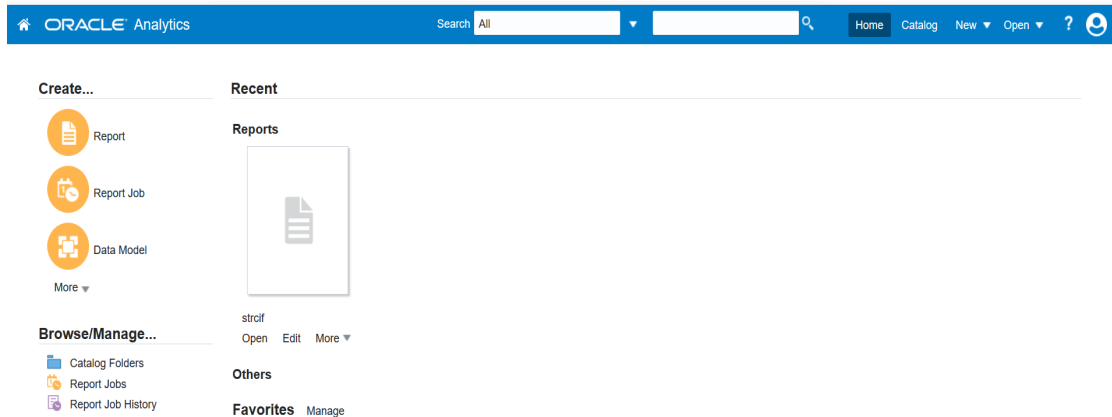
In Oracle BI Publisher Enterprise, navigate to 'Shared Folders' and then to 'FCReports' folder. The screen will display the list of all available reports.



This completes the process of 'FCReports' folder creation.

1.3.4 Creating Oracle Analytics Publisher Report Job

1. In the home page, on the left side, click on Report Job and select the report which has to be run



Schedule Report Job

Search: All

Home Catalog New Open ?

Overview

General Created by infra

Report Name /FCReports/strstfee.xdo

Schedule Start immediately

Outputs View bursting definition

Destination

Notification

Return Submit

General Output Schedule Notification Diagnostic

Report /FCReports/strstfee.xdo

Parameters

PM_REPORT_NAME

Language ENG

- Click on Output Tab. The options will get defaulted from the report which can be changed, if needed. Use 'Bursting definition to Determine Output & Delivery Destination' – Select this option, this will default the output and destination path as defined in the bursting query of the report.

Schedule Report Job

Search: All

Home Catalog New Open ?

Overview

General Created by infra

Report Name /FCReports/strstfee.xdo

Schedule Start immediately

Outputs View bursting definition

Destination

Notification

Return Submit

General **Output** Schedule Notification Diagnostic

☒ Use Bursting Definition to Determine Output & Delivery Destination

☐ Enable XML Pruning

☐ Make Output Public

☒ Save Data for Republishing

☐ Compress output prior to delivery

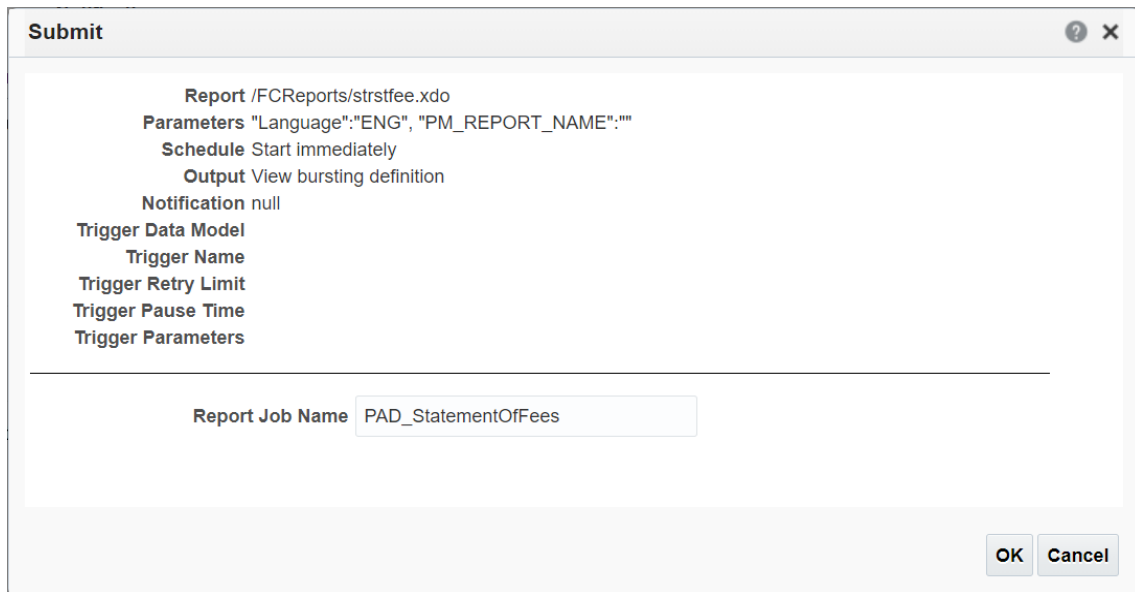
Output

Output is determined by bursting definition.

Destination

Destination is determined by bursting definition.

- Click on 'Submit' on then top right, to submit the job. A pop-up message asking job name is displayed. Enter any name in job name and click on 'OK'. Then a confirmation message that job is submitted successfully is displayed.
- The job will generate the Report output in in destination configured in report.

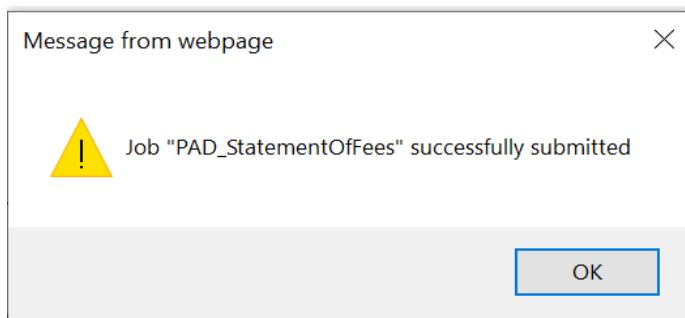


A dialog box titled "Submit" with a close button (X) in the top right corner. The dialog contains the following configuration details:

- Report** /FCReports/strstfee.xdo
- Parameters** "Language": "ENG", "PM_REPORT_NAME": ""
- Schedule** Start immediately
- Output** View bursting definition
- Notification** null
- Trigger Data Model**
- Trigger Name**
- Trigger Retry Limit**
- Trigger Pause Time**
- Trigger Parameters**

Report Job Name

At the bottom right, there are two buttons: **OK** and **Cancel**.



1.3.5 **Configuring Oracle Analytics Publisher Currency**

You can set configuration for each currency by using one of the following methods.

- Configure using xdo.cfg file
- Configure from BIP server

1.3.5.1 **Configuring Currency using 'xdo.cfg' file**

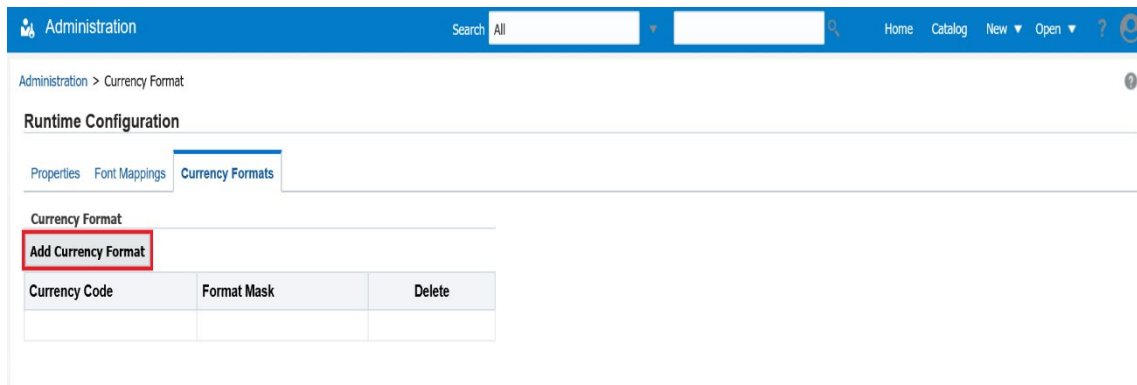
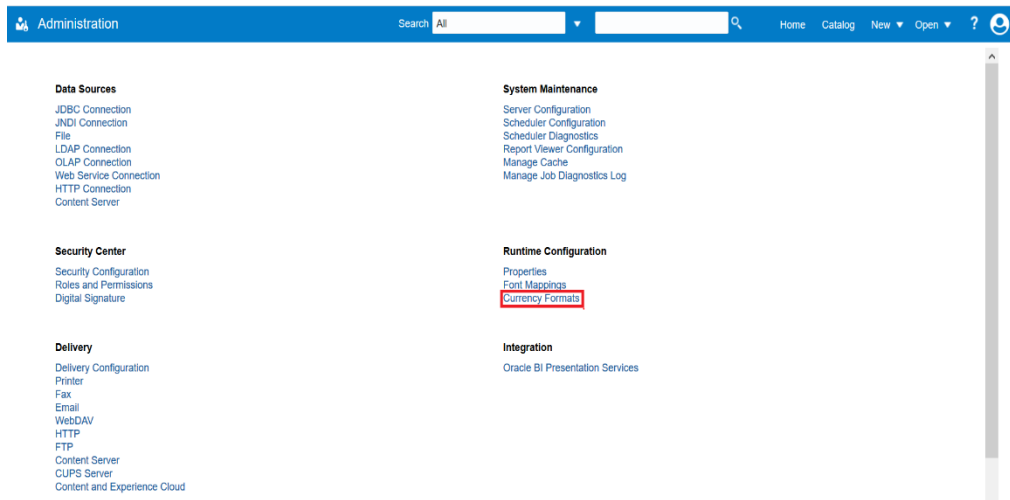
In this method, you need to define the mask for each currency in the 'xdo.cfg' file. Further, place the 'xdo.cfg' file in the folder '<BI Publisher Repository>\Admin\Configuration'.

[Click to view the 'xdo.cfg' file.](#)

1.3.5.2 **Configuring Currency from Oracle Analytics Publisher Server**

In order to configure the currency from Oracle Analytics Publisher server, follow the steps given below.

In the 'Administration' page, Click 'Currency Formats' under 'Runtime Configuration'. The following screen is displayed.



Click 'Add Currency Format' button. The following screen is displayed.

Administration

Search All

Home Catalog New Open ?

Administration > Currency Format > Add Currency Format

Add Currency Format

Apply Cancel

Currency Format

* Currency Code GBP

* Format Mask 99999G999G999

Specify the currency code and the format mask. Click 'Apply' button.

Once the changes for all currencies are made, restart the Oracle Analytics server.

This completes the process of currency configuration from Oracle Analytics Publisher server.



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