

BIP Web Service Reports  
Oracle Banking Trade Finance  
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# 1. Server Setup for Web Service Based BIP Reports

## 1.1 Introduction

This chapter explains the method to setup the web services based BI Publisher reports server on Oracle Analytics Server v5.5.

## 1.2 Prerequisites

Before you continue, ensure that Oracle Analytics Server v5.5 on the server machine.

## 1.3 Deploying BIP Reports

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

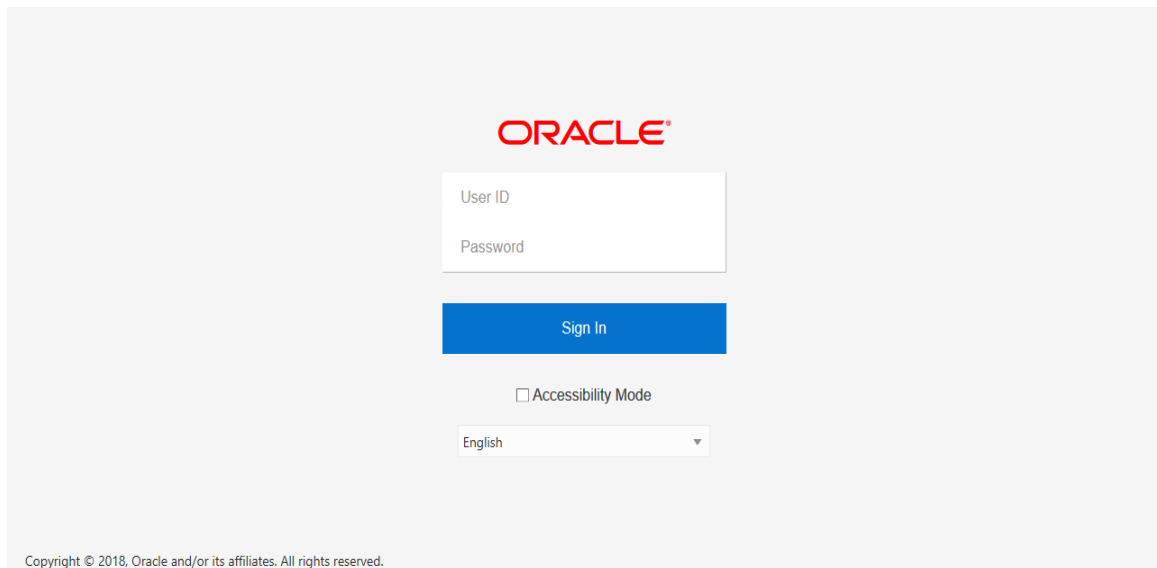
- Setup Oracle Analytics Server
- Setup Oracle Analytics Server Data Source
- Create Oracle Analytics Server FC Reports folder
- Configure Oracle Analytics Server Currency

These steps are explained under the following headings.

### 1.3.1 Setting up BIP Server

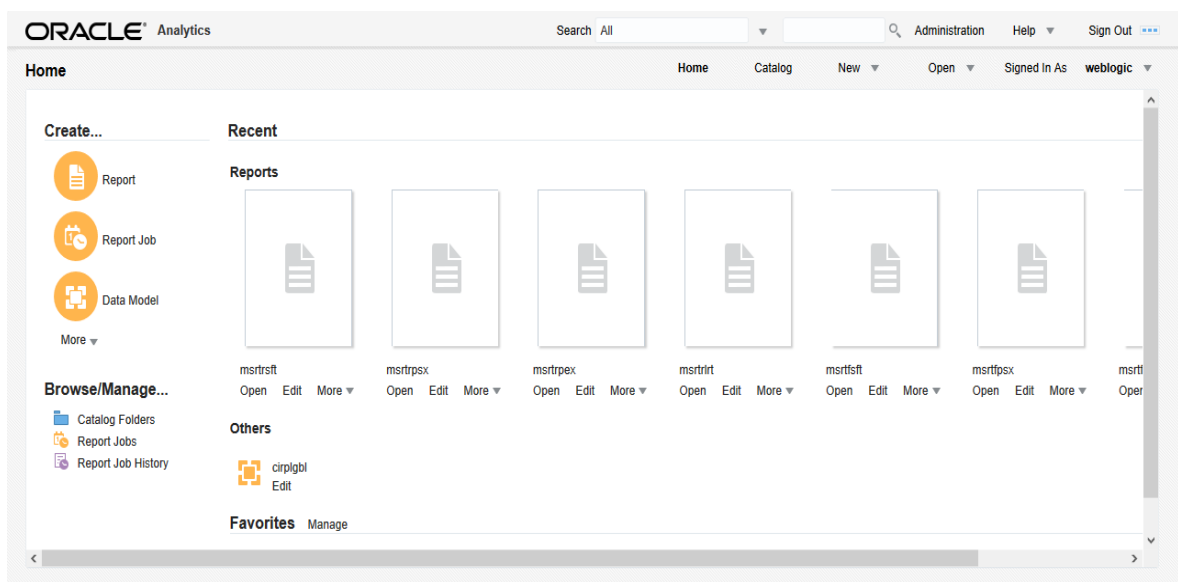
For setting up Oracle Analytics Server, follow the steps below.

1. Go to Oracle Analytics Server Web Server's Administration Console.



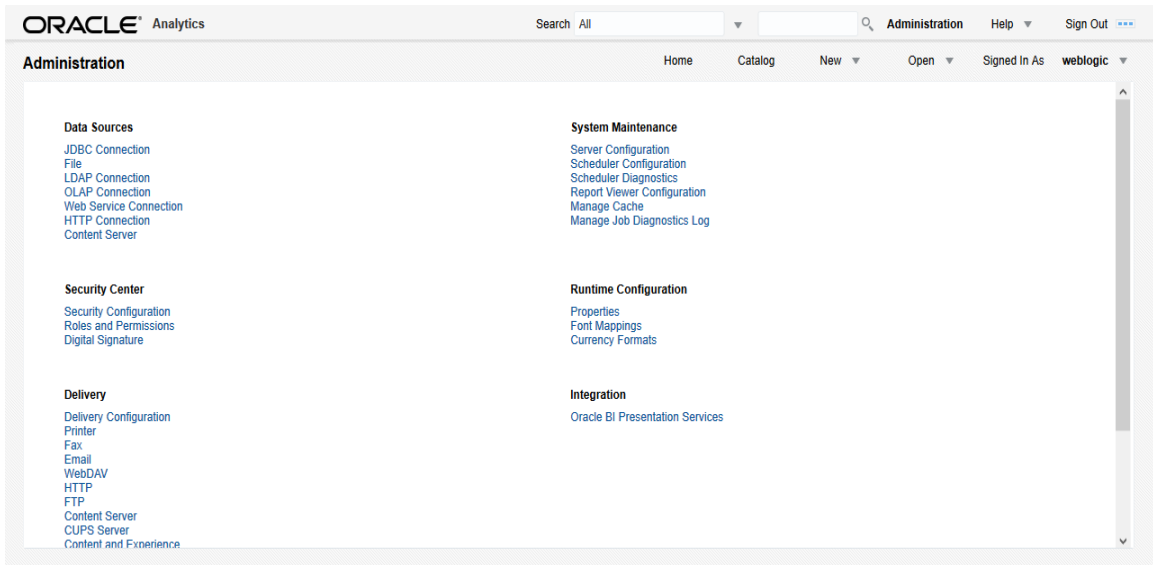
Specify the user name and password and click 'Sign In' button to sign in.

On successful login, the following screen is displayed.



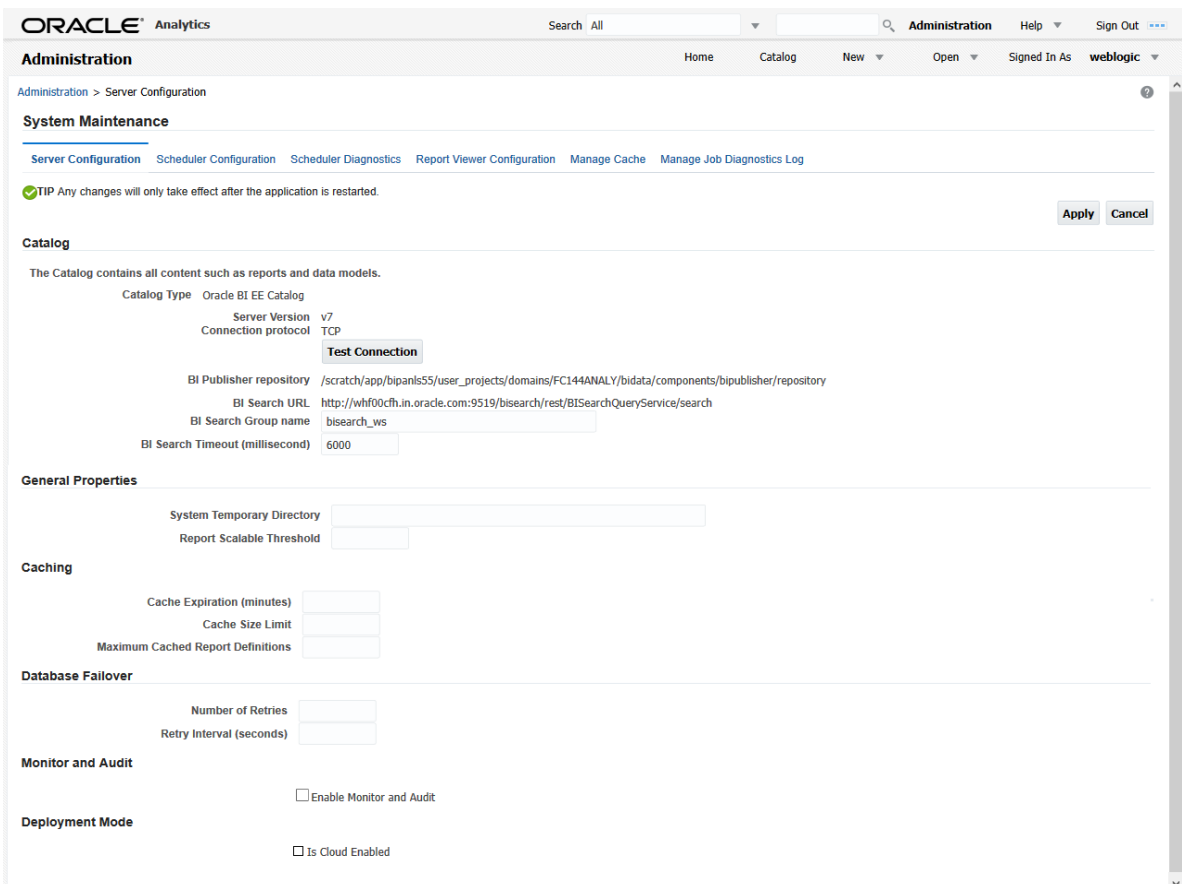
Click the link 'Administration' on the top right of the screen.

The following screen is displayed.



Click 'Server Configuration' under 'System Maintenance'.

The following screen is displayed.



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'.

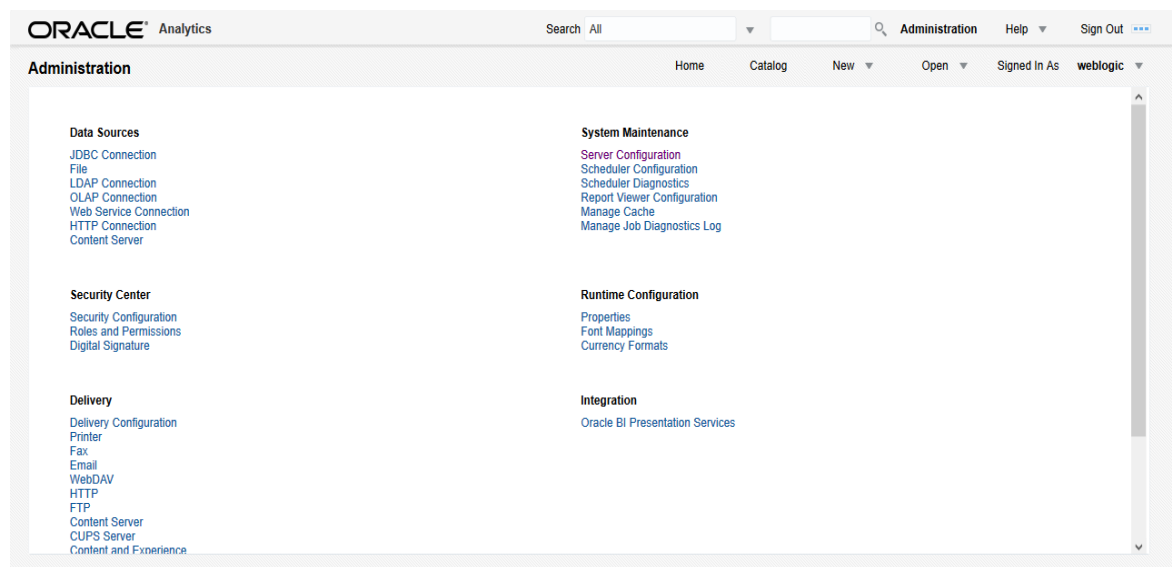
This completes the process of BIP service setup.

## 1.3.2 Setting Up BIP Data Sources

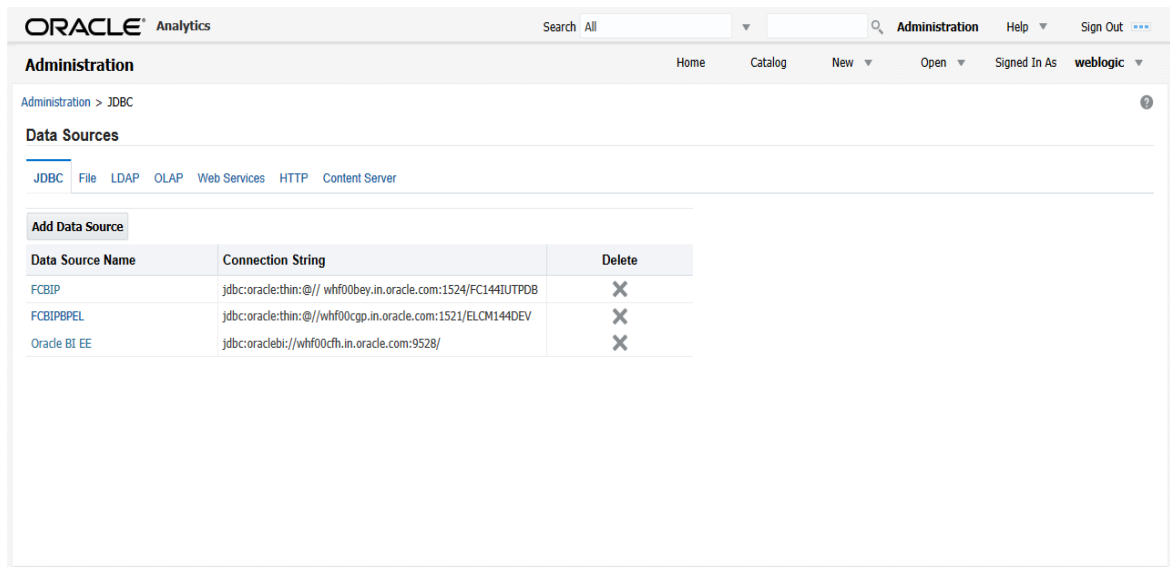
For setting up Oracle Analytics Server data sources, follow the steps below.

1. Go to Oracle Analytics Server Web Server's Administration Console. Specify the user name and password and click 'Sign In' button to sign in.

Click the link 'Administration' on the top right of the screen. The following screen is displayed.



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



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

The screenshot shows the 'Add Data Source' form in the Oracle Analytics Administration console. The breadcrumb trail is Administration > JDBC > Add Data Source. The form has 'Apply' and 'Cancel' buttons. It is divided into three sections: General, Backup Data Source, and Security.

**General**

- TIP Please make sure to install the required JDBC driver classes.
- TIP With Oracle Fusion Middleware Security Model, select the Use System User checkbox to use the BI System User for your BI Server Database Connection.
- TIP Not all JDBC data sources support Data Gateway.
- \* Data Source Name: [Text Field]
- \* Driver Type: Oracle 12c [Dropdown]
- \* Database Driver Class: oracle.jdbc.OracleDriver [Text Field]
- \* Connection String: jdbc:oracle:thin:@[host]:[port]:[sid] [Text Field]
- Use System User: [Checkbox]
- \* Username: [Text Field]
- Password: [Text Field]
- Pre Process Function: [Text Field]
- Post Process Function: [Text Field]
- Client Certificate: [Text Field]
- Use Proxy Authentication: [Checkbox]
- Test Connection [Button]

**Backup Data Source**

- TIP To enable access to a backup data source, please check the Use Backup Data Source checkbox and enter the necessary connection information.
- Use Backup Data Source: [Checkbox]
- Connection String: [Text Field]
- Username: [Text Field]
- Password: [Text Field]
- Test Connection [Button]

**Security**

- Allow Guest Access: [Checkbox]
- Allowed User: [Text Field]
- Available Roles: [List Box]
- Allowed Roles: [List Box]
- Move [Button]
- Move All [Button]
- Remove [Button]
- Remove All [Button]

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 user ID and password 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 BI Publisher 'FCReports' Folder**

For creating BI Publisher FC reports 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\_5.5
- MAIN/<Module>/Reports\_5.5

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

- MAIN/<Module>/Advices\_5.5/Datamodels\_5.5
- MAIN/<Module>/Advices\_5.5/Reports\_5.5 (except Branch Module)
- MAIN/<Module>/Advice\_5.5/XSD

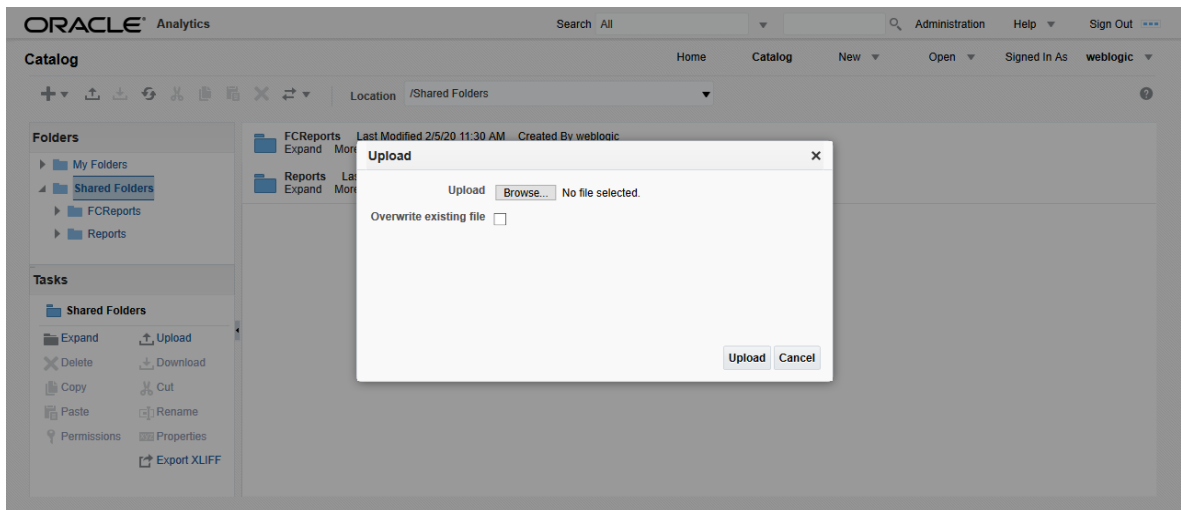


For example:

Name	Date modified	Type	Size
Adv	9/2/2016 10:54 AM	File folder	
acrdltxn.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrftcdr.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrgpbal.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrjrnal.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
acrpfvbl.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_instrtn.xdmz	7/27/2016 4:31 PM	XDMZ File	2 KB
amrfndhd.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
amrfunbl.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
amrnavmv.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
bcrodacc.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB

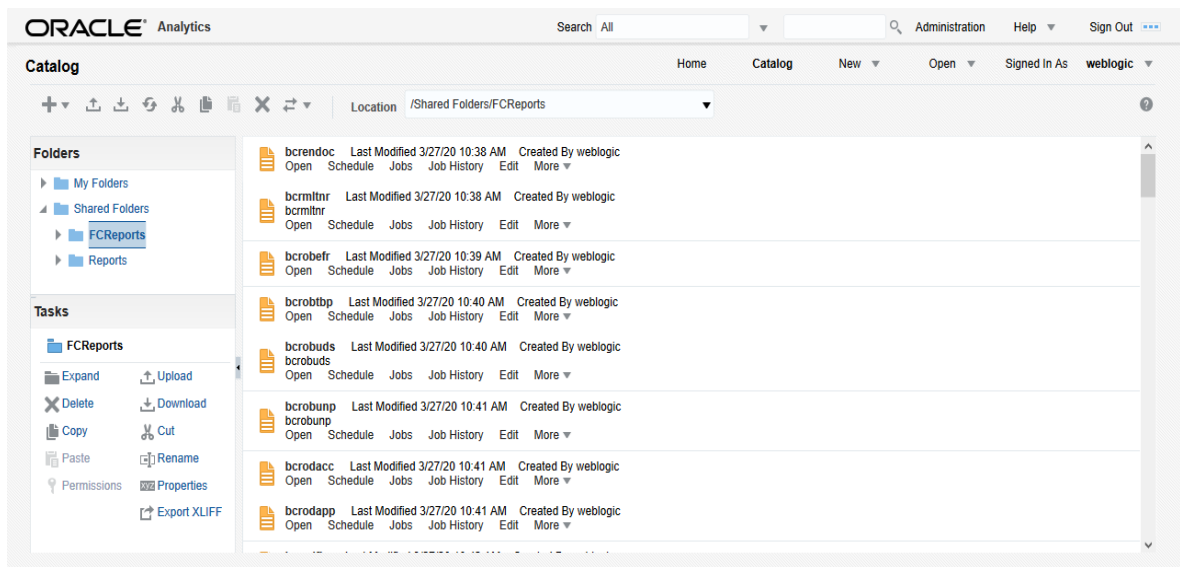
Select all these and zip as FCReports.zip. Then rename this to FCReports.xdrz

Deploy this file as follows.



Click on Shared Folders, under the Tasks tab click on upload button, browse the FCReports.xdrz file and click on upload.

In Oracle Analytics Server v5.5 Enterprise, navigate to 'Shared Folders' and then to 'FCReports' folder. The screen displays the list of all available reports.

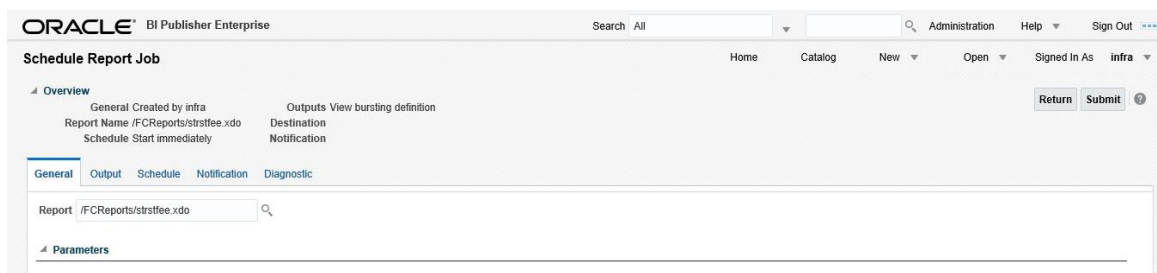
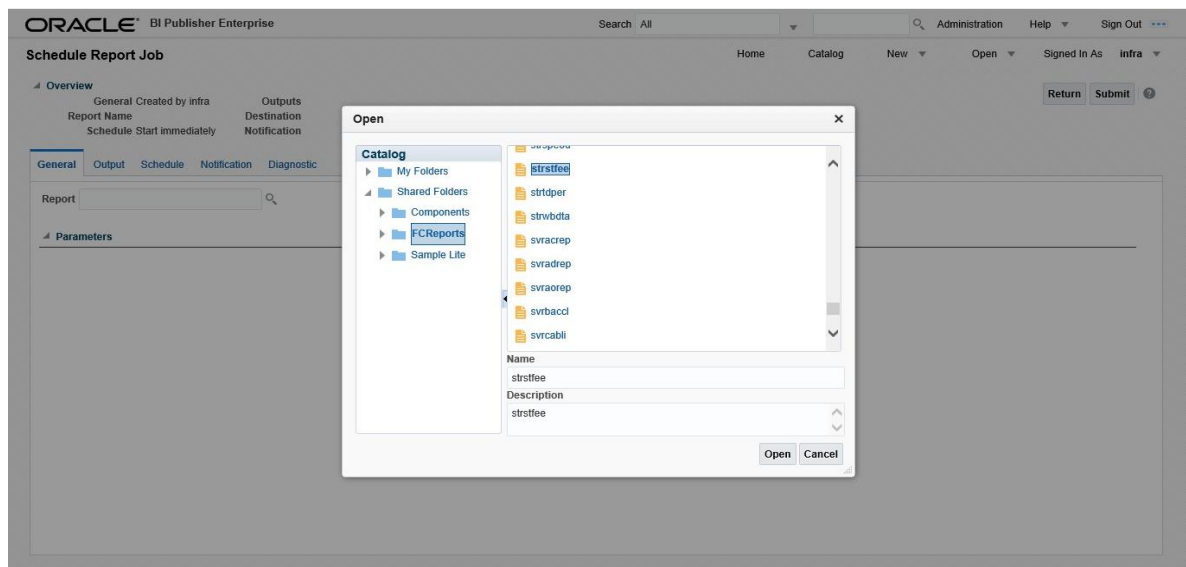
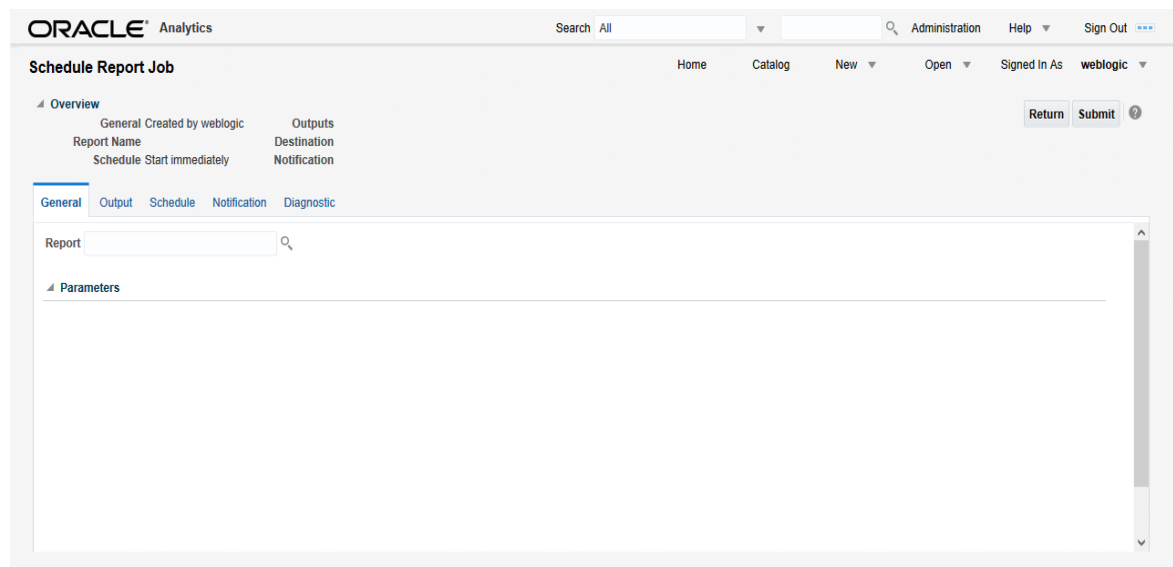


In FCUBS properties Advice Type should be set to 'BIP' for displaying Branch Advice in PDF format

This completes the process of 'FCReports' folder creation.

### 1.3.4 Creating BI 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.



2. 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.

The screenshot shows the 'Schedule Report Job' configuration page in Oracle Analytics. The 'Output' tab is selected, displaying several checkboxes for output options: 'Use Bursting Definition to Determine Output & Delivery Destination' (unchecked), 'Use XML Data Chunking' (unchecked), 'Make Output Public' (unchecked), 'Save Data for Republishing' (checked), and 'Compress output prior to delivery' (unchecked). Below these is an 'Output' section with a table header: Name, Layout, Format, Locale, Timezone, Calendar, and Save Output. The table currently shows 'No output available'. At the bottom, there is a 'Destination' section with the text 'You can add multiple destinations as you need.' and a 'Destination Type' dropdown menu next to an 'Add Destination' button.

3. 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.
4. The job will generate the Report output in in destination configured in report.

**Submit**

Report /FCReports/strstfee.xdo

Parameters

Schedule Start immediately

Output View bursting definition

Notification

Trigger Data Model

Trigger Name

Trigger Retry Limit

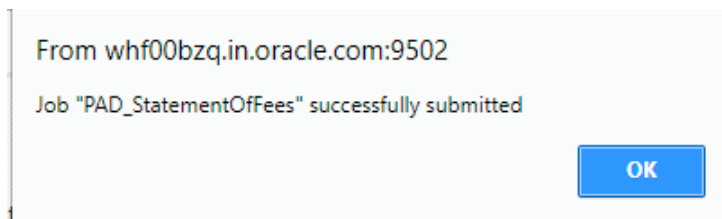
Trigger Pause Time

Trigger Parameters

---

Report Job Name

OK Cancel



### 1.3.5 **Configuring BIP Currency**

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

- Configure using xdo.cfg file
- Configure from Oracle Analytics Server

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

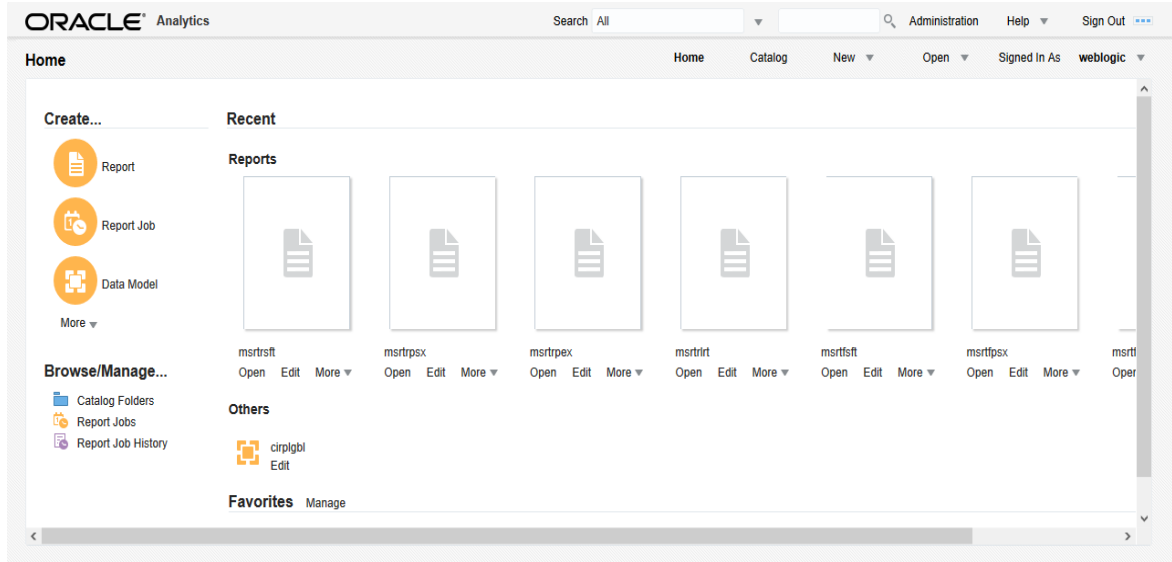
In this method, you need to define the mask for each currency in the 'xdo.cfg' file. Further, place the 'xdo.cfg' file in the folder '<BI Publisher Repository>\Admin\Configuration'.

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

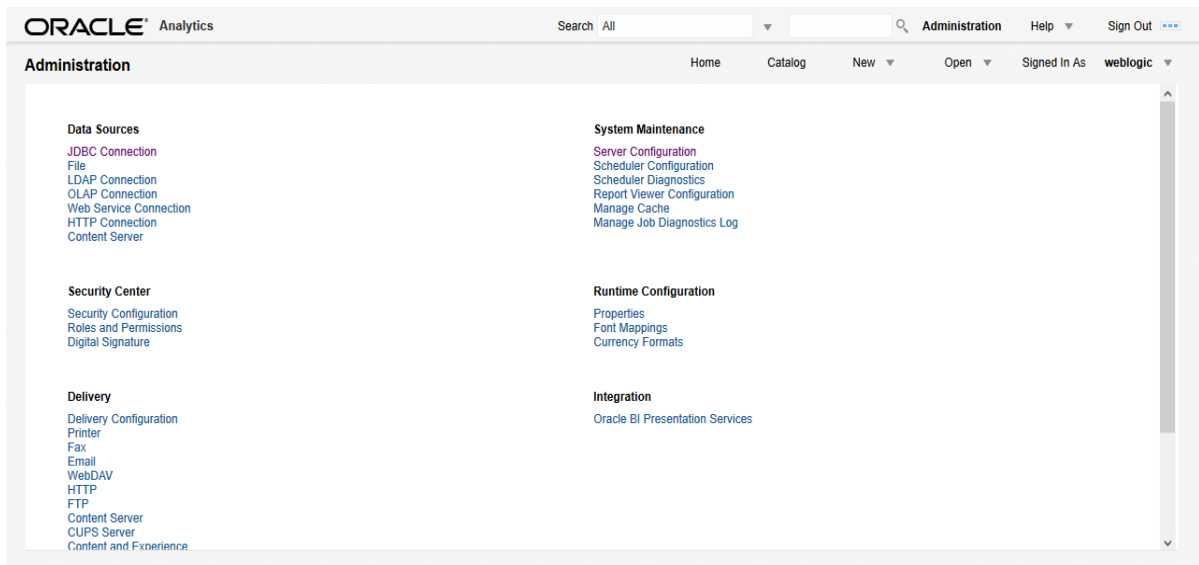
#### 1.3.5.2 **Configuring Currency from BIP Server**

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

1. Go to Oracle Analytics Server Web Server's Administration Console. 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. The following screen is displayed.



Click 'Currency Format' under 'Runtime Configuration'. The following screen is displayed.

ORACLE Analytics

Search All

Administration Help Sign Out

Administration Home Catalog New Open Signed In As weblogic

Administration > Currency Format

Runtime Configuration

Properties Font Mappings Currency Formats

Currency Format

Add Currency Format

Currency Code	Format Mask	Delete

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

ORACLE Analytics

Search All

Administration Help Sign Out

Administration Home Catalog New Open Signed In As weblogic

Administration > Currency Format > Add Currency Format

Add Currency Format

Apply Cancel

Currency Format

\* Currency Code

\* Format Mask

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

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

This completes the process of currency configuration from BIP server.



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