

BIP Web Service Reports
Oracle Banking Treasury Management

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Table of Contents

- 1. Server Setup for Web Service Based BIP Reports.....1
 - 1.1 Introduction1
 - 1.2 Prerequisites1
 - 1.3 Deploying BIP Reports.....1
 - 1.3.1 Setting up BIP Server.....2
 - 1.3.2 Setting Up BIP Data Sources.....4
 - 1.3.3 Creating BI Publisher 'FCReports' Folder.....6
 - 1.3.4 Creating BI Publisher Report Job9
 - 1.3.5 Configuring BIP Currency.....11

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:

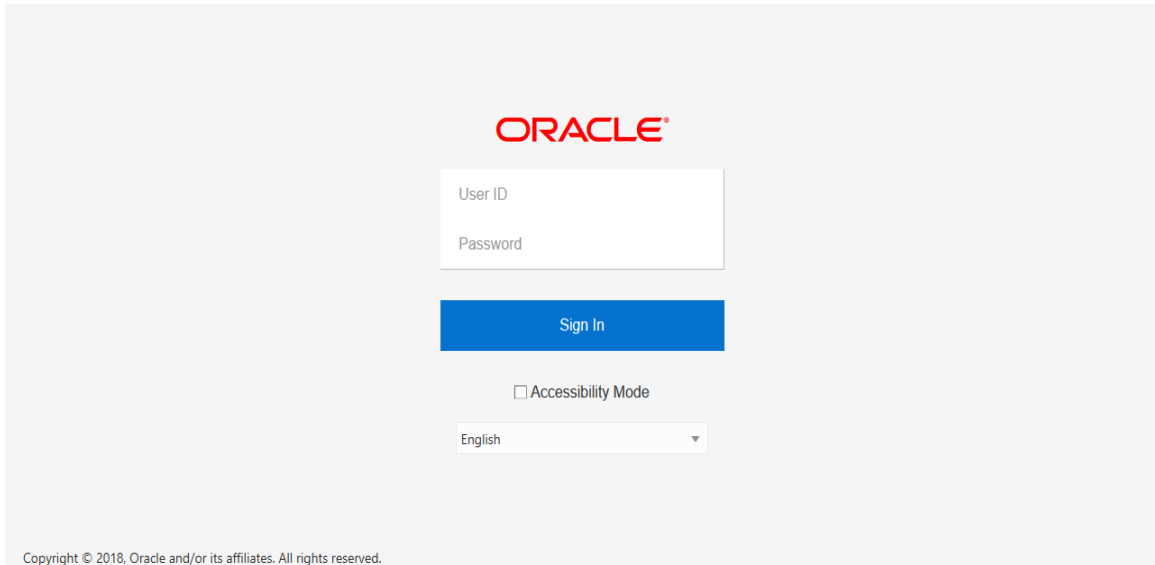
- Setup Oracle Analytics Server
- Setup Oracle Analytics Server Data Source
- Create Oracle Analytics Server FC Reports folder
- Configure Oracle Analytics Server Currency

These steps are explained under the following headings.

1.3.1 Setting up BIP Server

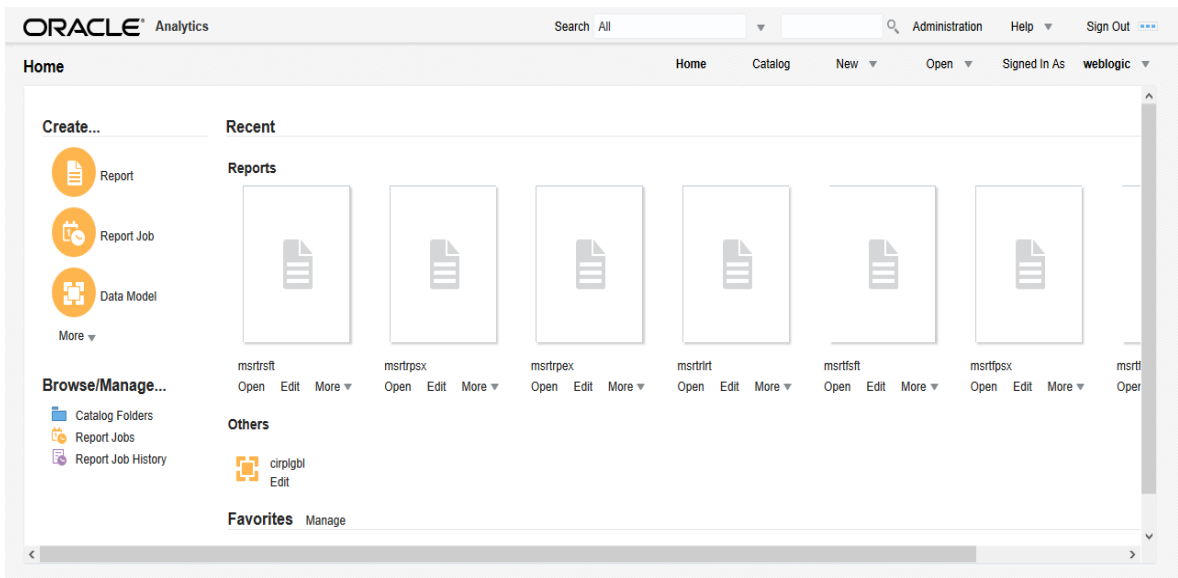
For setting up Oracle Analytics Server, follow the steps below.

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



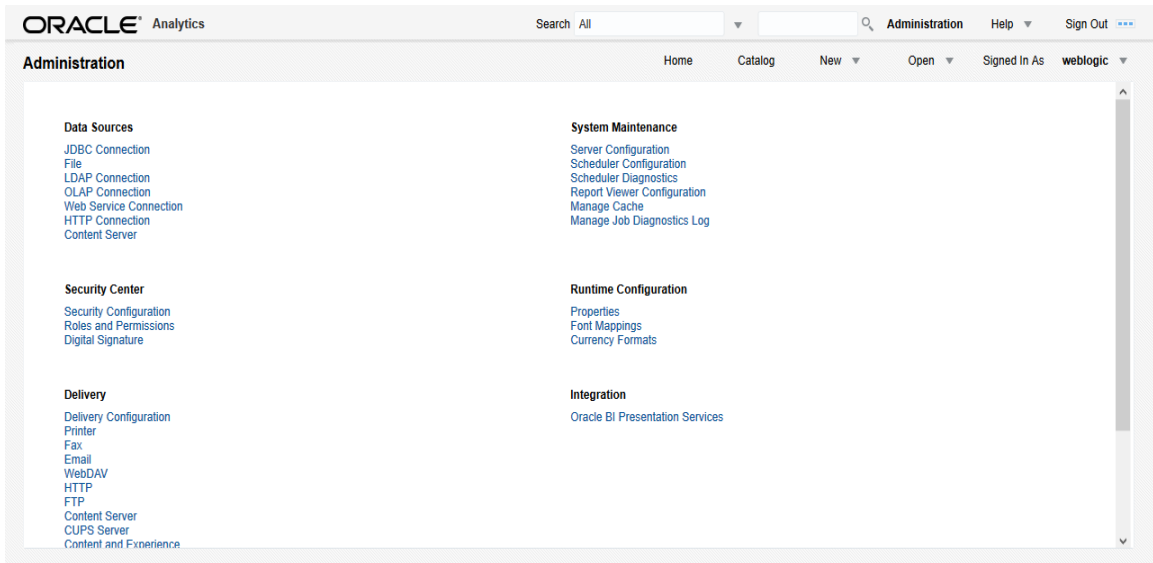
Specify the user name and password and click 'Sign In' button to sign in.

On successful login, the following screen is displayed.



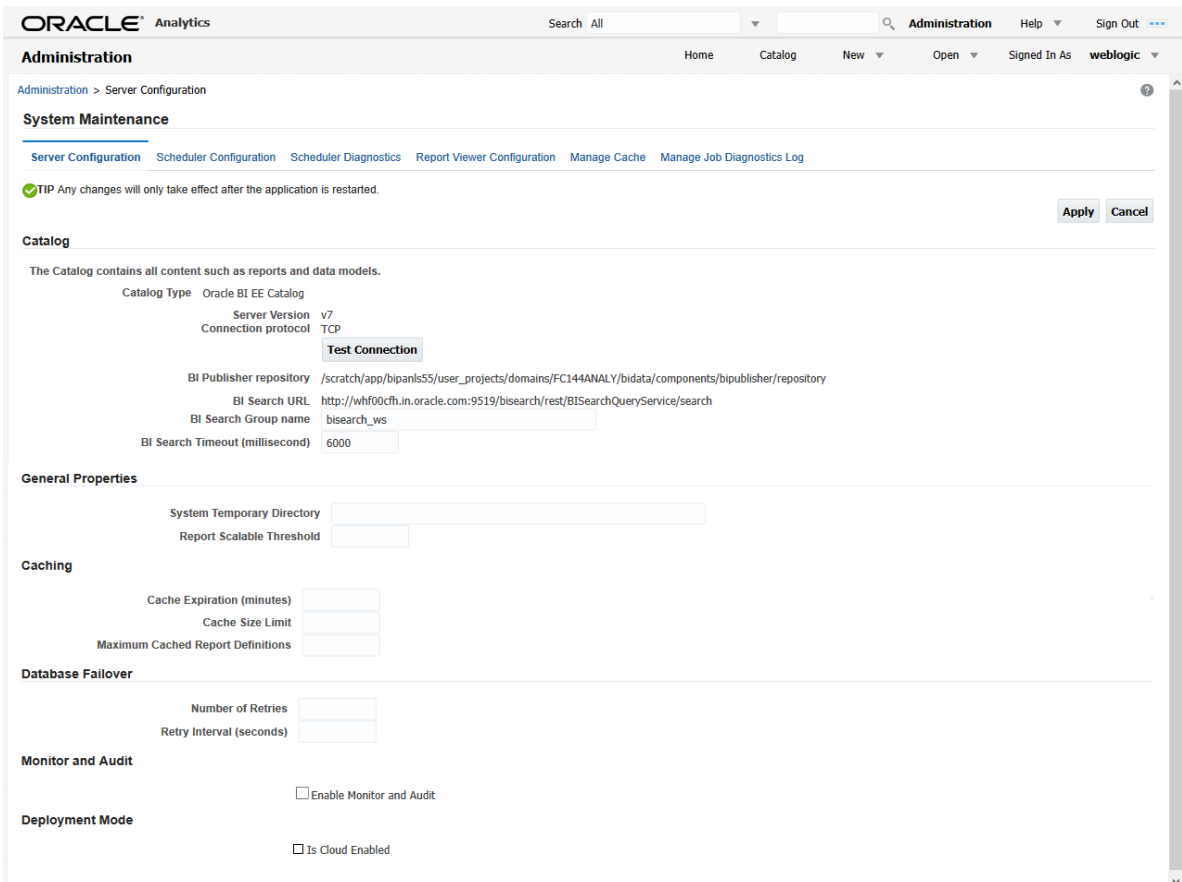
Click the link 'Administration' on the top right of the screen.

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.

A screenshot of the Oracle Analytics Administration Console. The page has a header with the Oracle logo and "Analytics" text. A search bar is present with the text "Search All". On the right side of the header, there are links for "Administration", "Help", and "Sign Out". Below the header, there is a navigation bar with "Home", "Catalog", "New", "Open", "Signed In As", and "weblogic". The main content area is titled "Administration" and is divided into several sections: "Data Sources" (JDBC Connection, File, LDAP Connection, OLAP Connection, Web Service Connection, HTTP Connection, Content Server), "Security Center" (Security Configuration, Roles and Permissions, Digital Signature), "Delivery" (Delivery Configuration, Printer, Fax, Email, WebDAV, HTTP, FTP, Content Server, CUPS Server, Content and Experience), "System Maintenance" (Server Configuration, Scheduler Configuration, Scheduler Diagnostics, Report Viewer Configuration, Manage Cache, Manage Job Diagnostics Log), "Runtime Configuration" (Properties, Font Mappings, Currency Formats), and "Integration" (Oracle BI Presentation Services).

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

The screenshot shows the Oracle Analytics Administration console. The breadcrumb navigation is 'Administration > JDBC'. The 'Data Sources' section is active, with sub-tabs for 'JDBC', 'File', 'LDAP', 'OLAP', 'Web Services', 'HTTP', and 'Content Server'. An 'Add Data Source' button is visible. Below it is a table listing existing data sources:


Data Source Name	Connection String	Delete
FCBIP	jdbc:oracle:thin:@// whf00bey.in.oracle.com:1524/FC144IUTPDB	X
FCBIPPEL	jdbc:oracle:thin:@//whf00cgp.in.oracle.com:1521/ELCM144DEV	X
Oracle BI EE	jdbc:oraclebi://whf00cfh.in.oracle.com:9528/	X

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

The screenshot shows the 'Add Data Source' configuration page. It includes several sections:

- General:** Contains fields for 'Data Source Name', 'Driver Type' (Oracle 12c), 'Database Driver Class' (oracle.jdbc.OracleDriver), and 'Connection String' (jdbc:oracle:thin:@[host]:[port]:[sid]). There are also checkboxes for 'Use System User', 'Pre Process Function', 'Post Process Function', 'Client Certificate', and 'Use Proxy Authentication'. A 'Test Connection' button is present.
- Backup Data Source:** Includes a checkbox for 'Use Backup Data Source' and fields for 'Connection String', 'Username', and 'Password'. A 'Test Connection' button is also present.
- Security:** Features a checkbox for 'Allow Guest Access' and a section for 'Allowed User' with 'Available Roles' and 'Allowed Roles' lists. Roles include 'Authenticated User', 'BI Consumer', 'BI Content Author', 'BI Data Model Author', 'BI Service Administrator', 'DV Consumer', and 'DV Content Author'. Action buttons like 'Move', 'Move All', 'Remove', and 'Remove All' are provided.

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

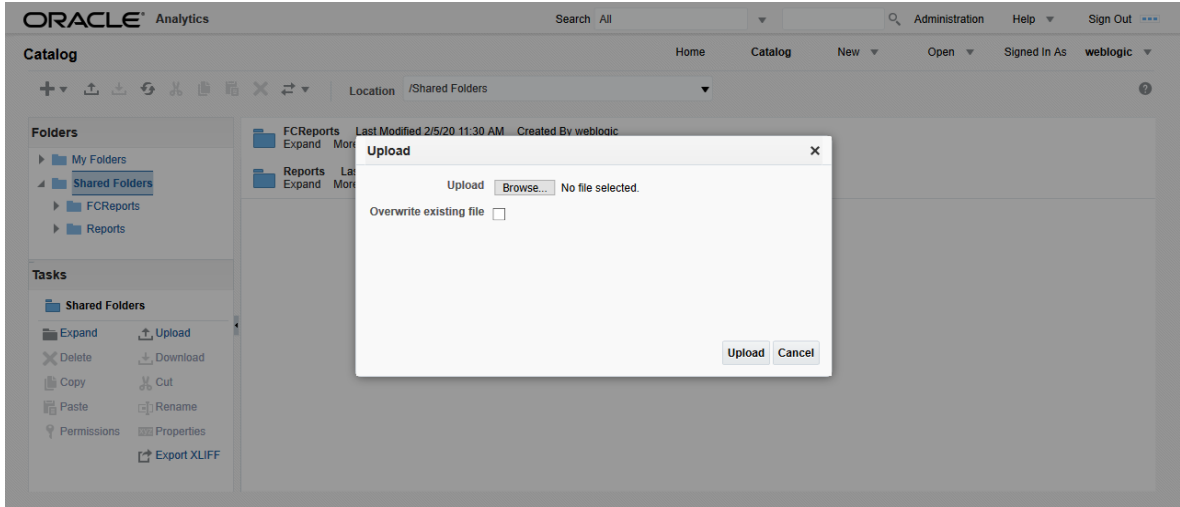
- MAIN/<Module>/Advices_5.5/Datamodels_5.5
- MAIN/<Module>/Advices_5.5/Reports_5.5 (except Branch Module)
- MAIN/<Module>/Advice_5.5/XSD

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
acrfdcdr.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrgpbal.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acjrjnal.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
accreval.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_instrxn.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
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

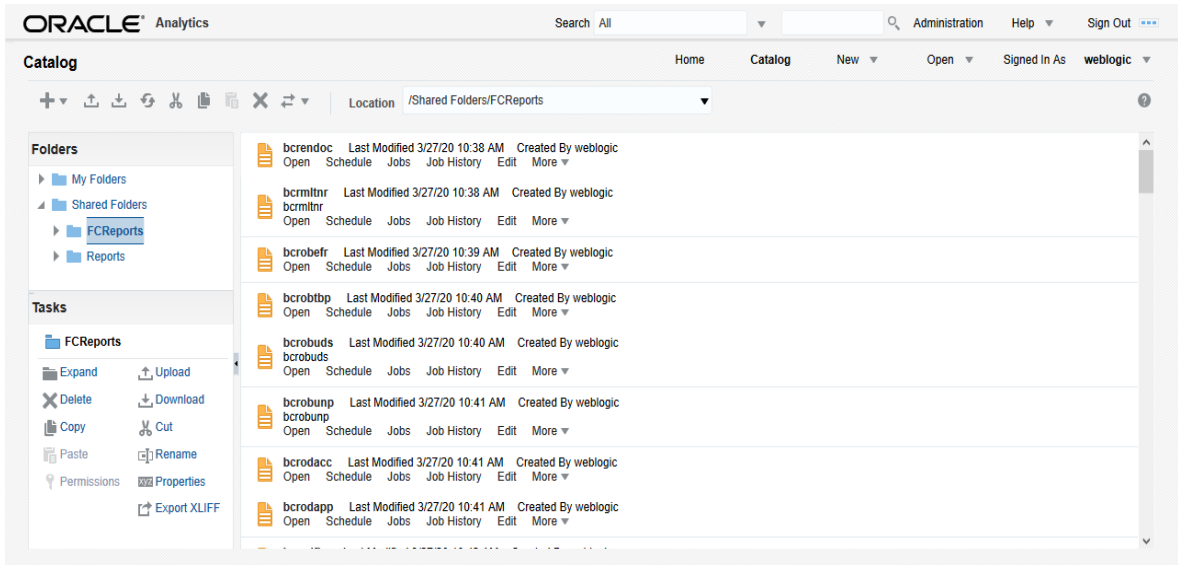
Select all these and zip as FCReports.zip. Then rename this to FCReports.xdrz

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.

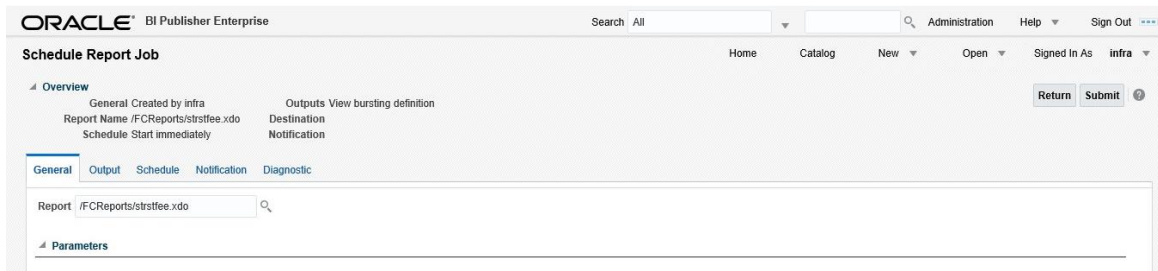
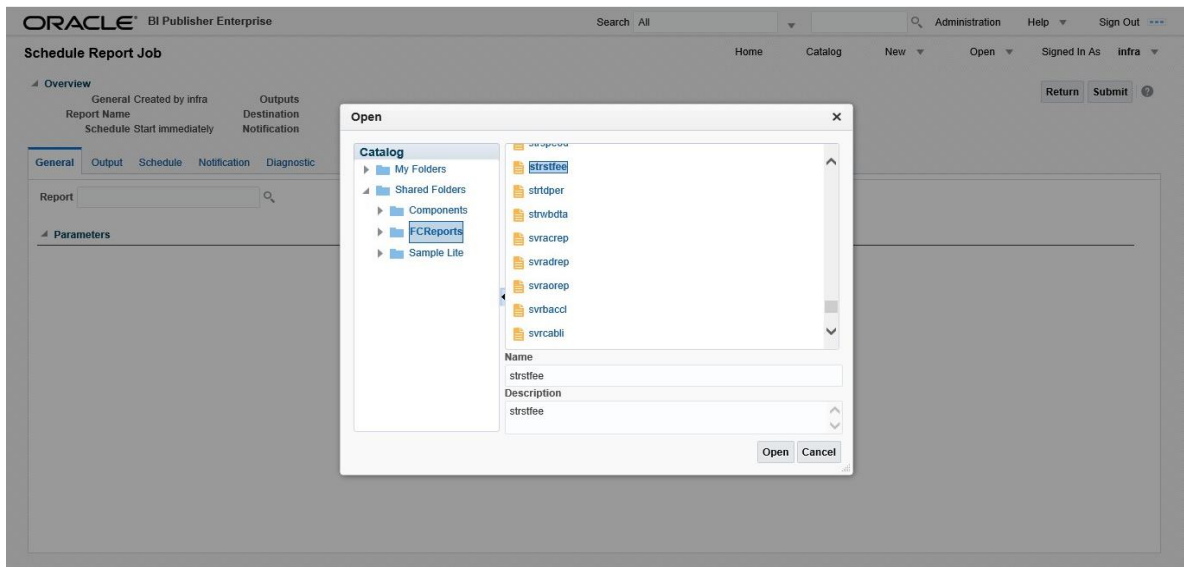
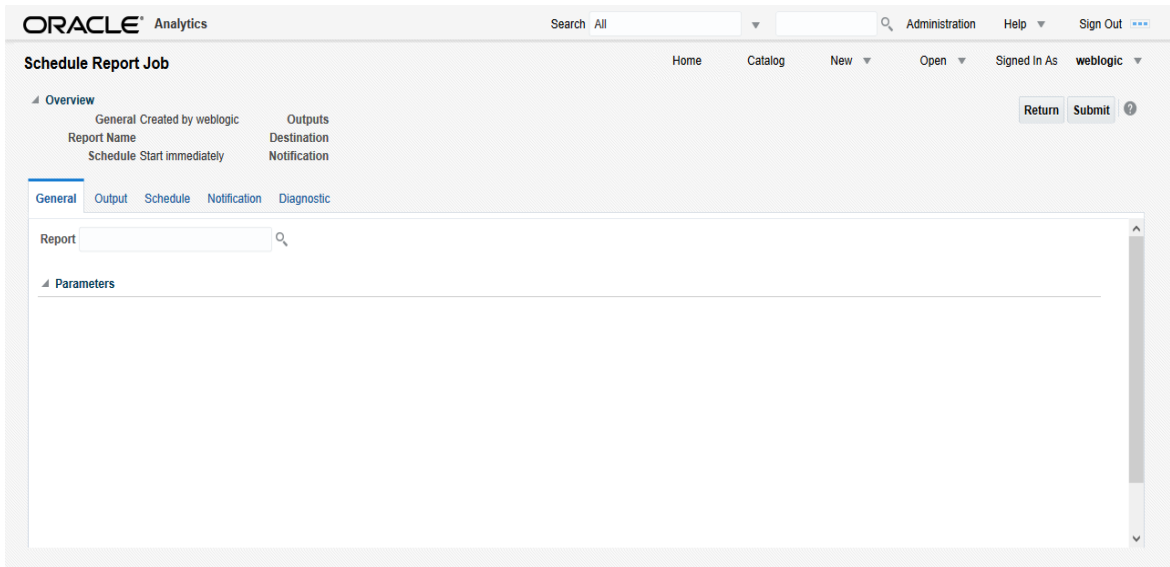


In FCUBS properties Advice Type should be set to 'BIP' for displaying Branch Advice in PDF format

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.



- 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.

ORACLE Analytics

Search All Administration Help Sign Out

Home Catalog New Open Signed In As **weblogic**

Schedule Report Job

Overview

General Created by weblogic Outputs
Report Name Destination
Schedule Start immediately Notification

Return Submit

General **Output** Schedule Notification Diagnostic

Use Bursting Definition to Determine Output & Delivery Destination
 Use XML Data Chunking
 Make Output Public
 Save Data for Republishing
 Compress output prior to delivery

Output

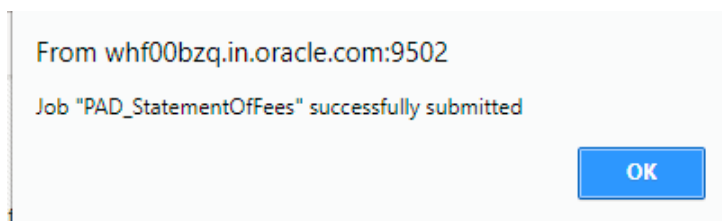
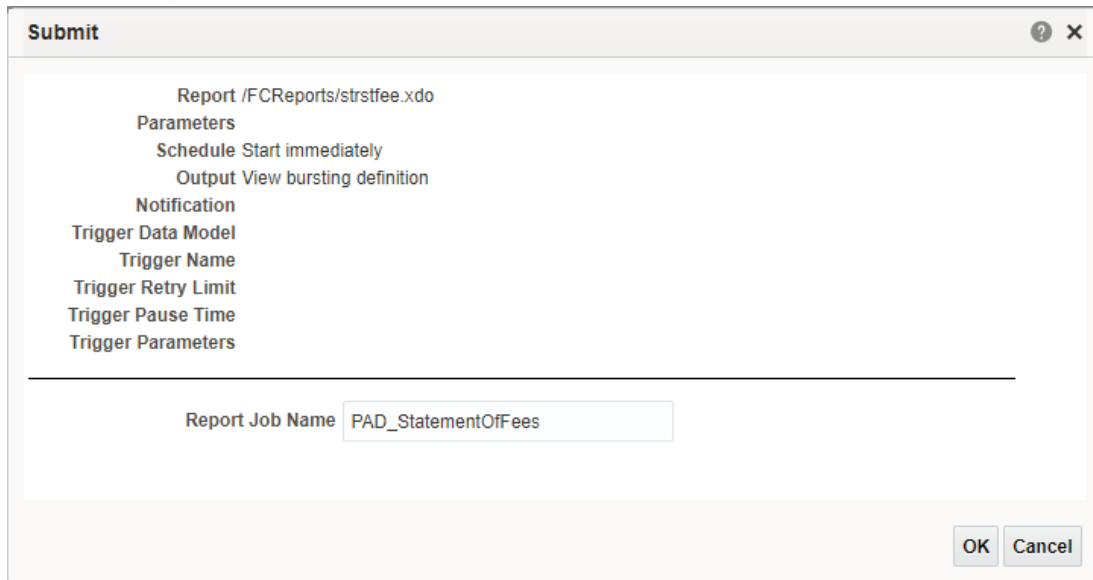
Name	Layout	Format	Locale	Timezone	Calendar	Save Output
No output available						

Destination

You can add multiple destinations as you need.

Destination Type **▼** Add Destination

- 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.



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**

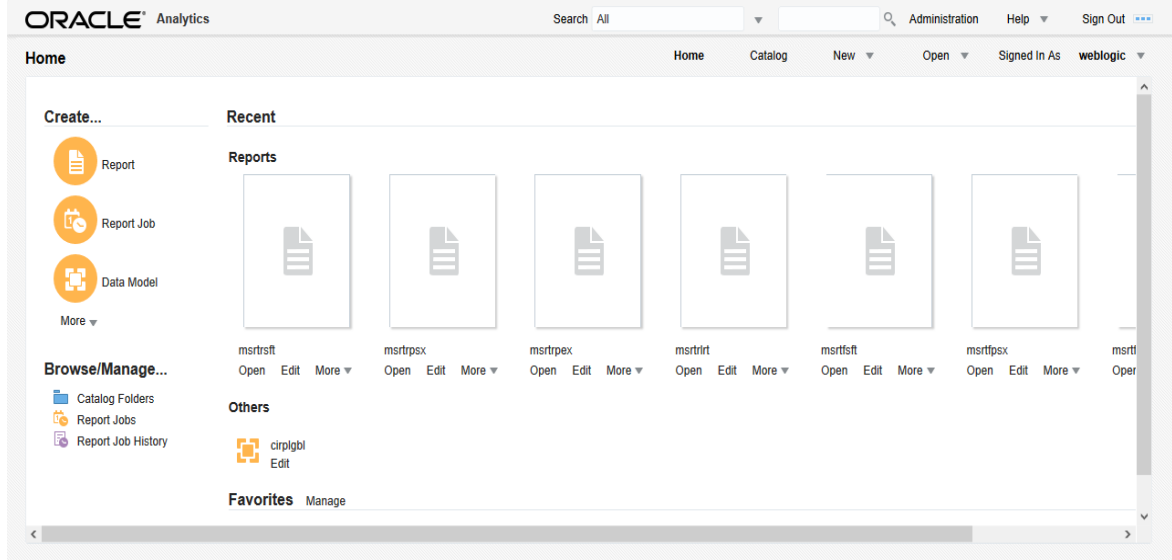
In this method, you need to define the mask for each currency in the 'xdo.cfg' file. Further, place the 'xdo.cfg' file in the folder '<BI Publisher Repository>\Admin\Configuration'.

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

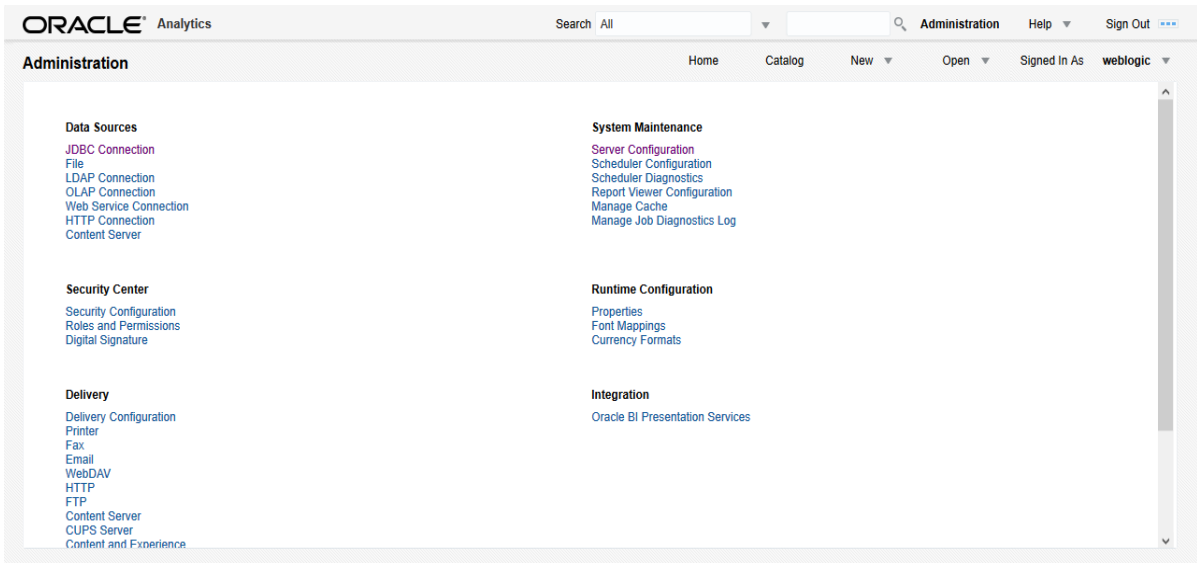
1.3.5.2 **Configuring Currency from BIP Server**

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

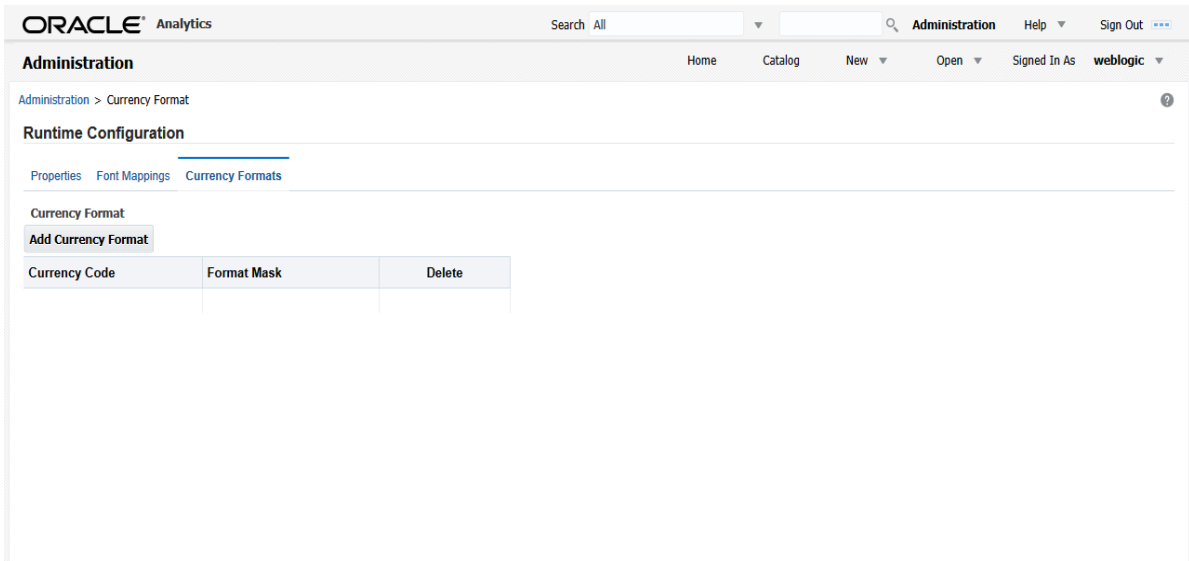
1. Go to Oracle Analytics Server Web Server's Administration Console. Specify the user name and password and click 'Sign In' button to sign in. On successful login, the following screen is displayed.



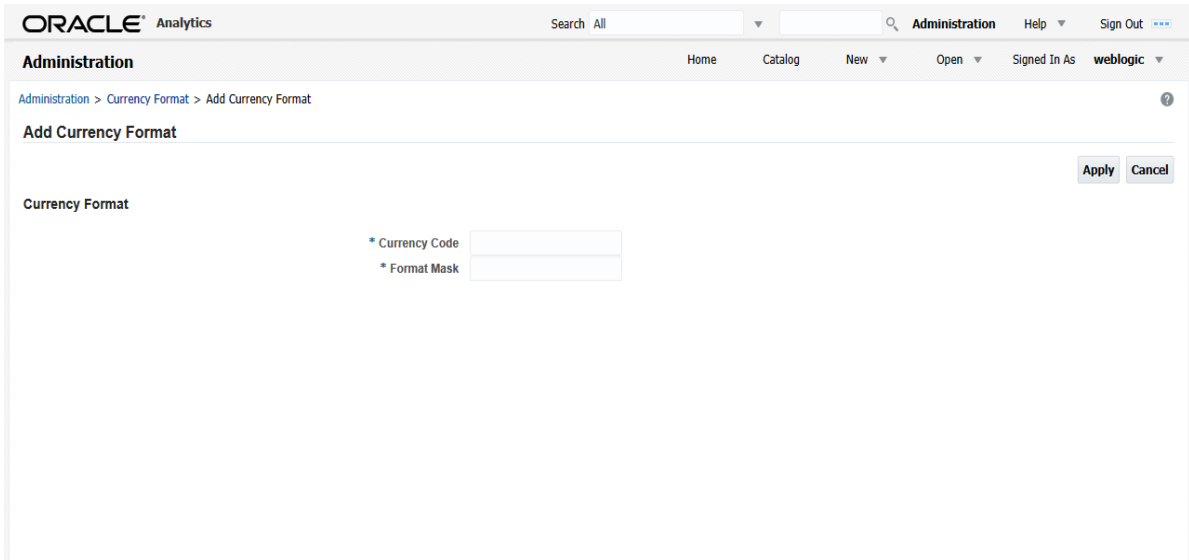
Click the link 'Administration' on the top right of the screen. The following screen is displayed.



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



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



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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