BIP Web Service Reports Oracle Banking ELCM Release 14.5.0.0.0 [May] [2021]



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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 BIP 12C.

## 1.2 **Prerequisites**

Before you continue, ensure that Oracle BI Publisher 12C on the server machine.

# 1.3 Deploying BIP Reports

This section guides you through the deployment of BI Publisher reports. BIP reports deployment involves the following steps:

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

These steps are explained under the following headings.



### 1.3.1 Setting up BIP Server

For setting up BI Publisher server, follow the steps below.

1. Go to Oracle BI Publisher Web Server's Administration Console.

ORACLE BI Publisher Enterprise		
	Sign In	
	Please enter username and password	
	Username	
	1	
	Password	
	Accessibility Mode	
	Sign In	
	-17 mm	
	English (United States)	
Oracle BI Publisher 12.2.1.0.0 Copyright © 2003, 2015, Oracle and/or its affiliates. All rights reserved.		

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

On successful login, the following screen is displayed.

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me				Home	Catalog	New 🔻	Open 🔻	Signed In As	weblogic
Create	Recent								
Report	Reports								
	Others								
Report Job	Favorites Manage								
Data Model									
More 👻									
Browse/Manage									
Catalog Folders									
Report Job History									

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

The following screen is displayed.



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Data Sources JBBC Connection JMDI Connection File CLAP Connection OLAP Connection VMM Service Connection MTP Connection	System Maintenance Server Configuration Scheduler Configuration Scheduler Deprofiles Report Viewer Configuration Manage Cache					
Security Center Socially Configuration Robei and Phomissions Digital Signature	Runtime Configuration Properties Font Mappings Currency Formats					
Delivery Delivery configuration Printe Fax Email WebDAV If P FTP Content Server CUPS Server	Integration Oracle BI Presentation Services					
Oracle BI Publisher 12.2.1.0.0 (build:20151008.1303)						

Click 'Server Configuration' under 'System Maintenance'.

The following screen is displayed.

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ninistration > Server Configuration						(
stem Maintenance						
erver Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration Manage Cache						
TIP Any changes will only take effect after the application is restarted.					A	oply Cancel
italog						
e Catalog contains all content such as reports and data models.						
Catalog Type Oracle BI \Xi Catalog						
Server Version V7						
Connection protocol TCP Test Connection						
BI Publisher repository /scratch/app/obie1221/user_projects/domains/bi/bidata/components/bipublisher/repository						
81 Search URL http://ofss220331.in.oracle.com:8505/bisearch/rest/BISearchQueryService/search 81 Search Group name bisearch ws						
BL Search Timeout (milliscond) 6000						
eneral Properties						
System Temporary Directory						
Report Scalable Threshold						
aching						
Cache Expiration (minutes)						
Cache Size Limit						
Maximum Cached Report Definitions						
Natabase Failover						

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 BI Publisher data sources, follow the steps below.

1. Go to Oracle BI Publisher 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.

ORACLE <sup>®</sup> BI Publisher Enterprise	Search All	v	Administration	Help 🔻	Sign Out
Administration	Home	Catalog	New = Open =	Signed In As	weblogic 💌
Data Sources UBEC Connection INDI Connection File Carbonic Connection UCA - Connection Web Service Connection HTTP: Connection	System Maintenance Sever Configuration Scheduler Configuration Scheduler Desprinder Report Weier Configuration Manage Cache				
Security Center Security Configuration Roles and Permissions	Runtime Configuration Properties Fornt Mappings Currency Formats				
Digital Signature	Currency Formats				
Delivery Delivery Configuration Pex Email WebCAV WebCAV FTP Content Server CUPS Server	Integration Oracle El Presentation Services				
Oracle BI Publisher 12.2.1.0.0 (build 20151008.1303)					

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

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ninistration > JDBC										(
a Sources										
DBC JNDI File LDAP	OLAP Web Services HTTP									-
Add Data Source										
Data Source Name	Connection String	Delete								
lemo	jdbc:oracle:thin:@HOST:PORT:SID	Û								
CBIP	jdbc:oracle:thin:@10.184.132.131:1522:FCDEV123	Û								
CBIPBPEL	jdbc:oracle:thin:@10.184.132.131:1522:FCDEV123	î								
Dracle BI EE	jdbc:oraclebi://ofss220331.in.oracle.com:8514/	1								

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



ORACLE <sup>®</sup> BI Publisher Enterprise			Search All	Ŧ	Administration	Help 💌	Sign Out 🕒	
Administration			Home	Catalog I	New 🔻 Open 👻	Signed In As	weblogic	r
Administration > JDBC > Update Data Source: FCBIP							0	^
Update Data Source: FCBIP								
						Appl	y Cancel	
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 ED	System User for your BI Server Database Connection.							
Data Source Name	FCBIP							
* Driver Type	Oracle 12c 🔹							
	oracle.jdbc.OracleDriver							
* Connection String	(Example: oracle.jdbc.OracleDriver ) jdbc:oracle:thin:@10.184.132.131:1522:FCDEV123	~						
		<b>~</b>						
Use System User								
* Username	FCUBS123							
Password	•••••							
Pre Process Function								
Post Process Function								
	Use Proxy Authentication							
	Test Connection							
Backup Data Source								
TIP To enable access to a backup data source, please check the Use Backup Data Source checkbox an	d enter the necessary connection information.							
Use Backup Data Source	-							
Use Backup Data Source Connection String		~						
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litername								~

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\_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	Туре	Size
\mu Adv	9/2/2016 10:54 AM	File folder	
acrdltxn.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrfcdr.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
acrreval.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_instrtxn.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
herodace vdmz	7/26/2016 12·23 PM	XDM7 File	3 KB

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



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Click on Shared Folders, under the Tasks tab click on upload button, 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.

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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

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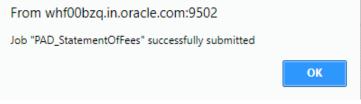
 Click on Output Tab. The options will get defaulted from the report which can be changed, if needed. Use 'Bursting definition to Determine Output & Delivery Destination' – Select this option, this will default the output and destination path as defined in the bursting query of the report.

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Overview						Return	Submit	
General Created by infra Outputs View bursting definition Report Name /FCReports/strstfee.xdo Destination								
Schedule Start immediately Notification								
General Output Schedule Notification Diagnostic								
Use Bursting Definition to Determine Output & Delivery Destination								
Make Output Public								
Save Data for Republishing								
A Output								
Output is determined by bursting definition.								
▲ Destination								

- 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		
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Notification		
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Trigger Name		
Trigger Retry Limit		
Trigger Pause Time		
Trigger Parameters		
Report Job Name	PAD_StatementOfFees	
		OK Cancel
From whf00hzg in oracle (		



### 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 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 BIP Server

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

1. Go to Oracle BI Publisher 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.

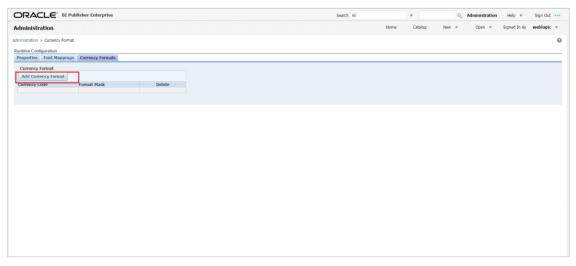


Create Recent Report			Search A	Home Catalog New	Q Administration Help ♥ Sign Out ● ♥ Open ♥ Signed in As weblogic ♥
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Catalog Folders Others Report Jobs					
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Click the link 'Administration' on the top right of the screen. The following screen is displayed.

ORACLE BI Publisher Enterprise	Search All	v		Administration	Help v	Sign Out
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Once B Publisher 12 2 1 1 8 Jour 20140534 2332)						

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



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



ORACLE BI Publisher Enterprise		Search All	v	् Administration	Help 🔻 Sign Out 🚥
Administration			Home Catalog	New v Open v	Signed In As weblogic v
Administration > Currency Format > Add Currency Format					0
Add Currency Format					Apply Cancel
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* Format Ma	sk 999G999G999G999G990M				

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.





BIP Web Service Reports [May] [2021] Version 14.5.0.0.0

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