BIP Web Service Reports Oracle FLEXCUBE Universal Banking Release 12.5.0.0.0 [September] [2017]



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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.

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

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

On successful login, the following screen is displayed.

her Enterprise	Search All		•	0,	Administration	Help 🔻	Sign Out	
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3. Click the link 'Administration' on the top right of the screen.

The following screen is displayed.



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Security Center Security Configuration Roles and Permissions Digital Signature	Runtime Configuration Properties Fort Mappings Currency Formats				
Delivery Delivery Configuration Printer Fax Email WebDAV HTP TOTEN Server CuPIS Server	Integration Oracle BI Presentation Services				
racie BI Publisher 12.2.1.0.0 (build 20151008.1303)					

4. Click 'Server Configuration' under 'System Maintenance'.

The following screen is displayed.

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Server Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration Manage Cache					- 1
✓TIP Any changes will only take effect after the application is restarted.					
				Apply Cance	ы
Catalog					
The Catalog contains all content such as reports and data models.					
Catalog Type Oracle BI 🔣 Catalog					
Server Version V7 Connection protocol TCP					
Test Connection					
BI Publisher repository /scratch/app/obie1221/user_projects/domains/bi/bidata/components/bipublisher/repository					
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General Properties					
System Temporary Directory					
Report Scalable Threshold					
Caching					
Cache Expiration (minutes)					
Cache Size Limit					
Maximum Cached Report Definitions					
					~
Database Failover					>

5. 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.

- 6. Once you have specified the above details, click 'Apply'.
- 7. 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.
- 2. Click the link 'Administration' on the top right of the screen. The following screen is displayed.

ORACLE' BI Publisher Enterprise	Search All	v	٩, ١	Administration	Help 💌	Sign Out
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Data Sources UDBC Connection UDBC Connection File Connection COLP Connection Web Service Connection HTTP Connection	System Maintenanco Server: Configuration Scheduler Diagnostics Report Viewer: Configuration Menage Cache					
Security Center Security Configuration Roles and Permissions Digital Signature	Runtime Configuration Properties Font Mappings Currency Formats					
Delivery Delivery Configuration Protein Final WebDAV HTTP FTP Content Server CUPS Server	Integration Oracle BI Presentation Services					
Oracle Bi Publisher 12.2.1.0.0 (build:20151008.1303)						

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



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ta Sources									
DBC JNDI File LDAP	OLAP Web Services HTTP								
Add Data Source									
Data Source Name	Connection String (dbc:oracle:thin:@HOST:PORT:SID	Delete							
		Û							
CBIP	jdbc:oracle:thin:@10.184.132.131:1522:FCDEV123	Û							
CBIPBPEL	jdbc:oracle:thin:@10.184.132.131:1522:FCDEV123	Û							
Drade BI EE	jdbc:oraclebi://ofss220331.in.oracle.com:8514/	Û							

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

		Search All	▼ Q Administration Help ▼ Sign Out ····	
Administration		Home	Catalog New v Open v Signed In As weblogic v	
Administration > JDBC > Update Data Source: FCBIP			0	~
Update Data Source: FCBIP				
oposte bata source. PCBP				
			Apply Cancel	
General	Home       Catalog       New *       Open *       Signed In As       weblogic *         Image: Source have       Catalog       New *       Open *       Signed In As       weblogic *         Image: Source have       FOBIP       Image: Source have       FOBIP       Image: Source have       FOBIP         abase hive Class for chables       Image: Source have       FOBIP       Image: Source have       Image:			
✓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 B	I System User for your BI Server Database Connection.			
Data Source Name	FCBIP			
* Database Driver Class				
* Connection String				
	Jabcioraciertnini@10.184.132.131115221PCDEv123			
		×		
Use System User				
* Username	FCUBS123			
Password				
Pre Process Function				
Post Process Function				
	Use Proxy Authentication			
Backup Data Source				
ITIP To enable access to a backup data source, please check the Use Backup Data Source checkbox ar	d enter the necessary connection information.			
Use Backup Data Source				
Connection String				
		×		~
likername				

5. 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 for 'defaultDataSourceRef' in the function ID specific report xdm files. All the xdm files should have the same defaultDataSourceRef.

- 6. Enter the user ID and password and click 'Test Connection' button. On successful connection, you will see a confirmation message on the screen.
- 7. 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
🍌 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
berodace vdmz	7/26/2016 12·23 PM	XDM7 File	3 KB

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

3. Deploy this file as follows.



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4. 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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+▼ 土土 ゆん 単	Location /Shared Folders/FCReports ▼					e
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My Folders	acrfcdr Last Modified 8/22/16 12:20 PM Created By weblogic acrfcdr Open Schedule Jobs Job History Edit More <del>v</del>					
eod report     Shared Folders	ecrgpbal Last Modified 8/22/16 12:20 PM Created By weblogic Open Schedule Jobs Job History Edit More *					
Components	acrjmal Last Modified 8/22/16 12:20 PM Created By weblogic Open Schedule Jobs Job History Edit More 💌					
FCReports     Sample Lite	acrmrevI Last Modified 8/22/16 12:20 PM Created By weblogic Open Schedule Jobs Job History Edit More 🕶					
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In FCUBS properties Advice Type should be set to 'BIP' for displaying Branch Advice in PDF format

5. This completes the process of 'FCReports' folder creation.



### 1.3.4 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

#### 1.3.4.1 Configuring Currency using 'xdo.cfg' file

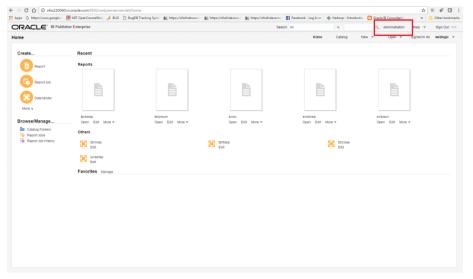
In this method, you need to define the mask for each currency in the 'xdo.cfg' file. Further, place the 'xdo.cfg' file in the folder '<BI Publisher Repository>\Admin\Configuration'.

Click to view the 'xdo.cfg' file.

#### 1.3.4.2 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.



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



Search All	Ŧ		Administration	Help 👻	Sign Out
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3. Click 'Currency Format' under 'Runtime Configuration'. The following screen is displayed.

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tion		Home Catalog	New v Open v Signed In
n > Currency Format			
Configuration			
Font Mappings Currency Formats			
Currency Format Add Currency Format			
urrency Code Format Mask Delete			

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

ORACLE <sup>®</sup> BI Publisher Enterprise			Search All	•	0,	Administration	Help 💌	Sign Out
Administration			Home	Catalog	New 💌	Open 💌	Signed In As	weblogic 🔻
Administration > Currency Format > Add Currency Format								Ø
Add Currency Format			 					
							App	ly Cancel
Currency Format								
	* Currency Code	GBP						
	* Format Mask	999G999G999G999G990Mt						

- 5. Specify the currency code and the format mask. Click 'Apply' button.
- 6. Once the changes for all currencies are made, restart the OBIEE server.
- 7. This completes the process of currency configuration from BIP server.





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