BIP Web Service Reports Oracle FLEXCUBE Universal Banking Release 12.2.0.0.0 [May] [2016]



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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 11g.

1.2 **Prerequisites**

Before you continue, ensure that Oracle BI Publisher 11g 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.

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|---|--|------------|----|------------|--|
| ORACLE BI Publisher Enterprise | Sign In Please enter username and password Username webbox webbox Password Accessibility Mode Sign In Sign In Sign In | | | | |
| Orade BI Publisher 11.1.1.9.0 Соругідіт © 2003, 2015, Orade 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.

| ORACLE BI Publisher E | Enterprise | Search All | • | 🚺 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 Fork Mappings Currency Formats | | | | | | |
| Delivery Delivery Configuration Printer Fax Email WebDAV HTTP FTP Content Server CUPS Server | Integration Integration Oracle BI Presentation Services | | | | | | |

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

The following screen is displayed.

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| system maintenance | | | | | | |
| Server Configuration | Scheduler Configuration | Scheduler Diagnostics | Report Viewer Configuration | Manage Cache | | |
| ✓TIP Any changes will or | ly take effect after the applica | tion is restarted. | | | | Apply Cancel |
| Configuration Folder | | | | | | |
| | tory contains all configurations, \${xdo.server.config.dir}/reposit | | that you setup with BI Publisher. | | | |
| Catalog | | | | | | |
| | ontent such as reports and da Type Oracle BI Publisher - F Oracle BI Publisher - F Oracle BI EE Catalog | ile System 💌 | | | | |
| General Properties | | | | | | |
| | System Temporary Direct Report Scalable Thresh | | | | | |
| Caching | | | | | | |
| | Tache Expiration (minutes) 1 Cache Size Linit 1 Cached Report Definitions 1 | | | | | |

5. Specify the following details:

Catalogue Type

Select 'Oracle BI Publisher – File System' from the drop-down list.

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'. You will get a confirmation as shown below.

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| Administration > Server Configuration | | | | 3 |
| Confirmation Settings saved successfully. Any changes will not take effect until the application is re- | started. | | | |
| System Maintenance | | | | |
| Server Configuration Scheduler Configuration Scheduler Diagnostics F | Report Viewer Configuration Ma | anage Cache | | |
| ${\mathscr I}{\operatorname{TIP}}$ Any changes will only take effect after the application is restarted. | | | | Apply Cancel |
| Configuration Folder | | | | |
| The Configuration Repository contains all configurations, security, datasources, etc th | at you setup with BI Publisher. | | | |
| Path \${xdo.server.config.dir}/repository | | | | |

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.

On successful login, the following screen is displayed.

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

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| Delivery Delivery Configuration Printer Fax Email WebDAV HTTP FTP Content Server - CutPS Server | Integration Oracle BI Presentation Services | | | | | |

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

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| ministration ministration > JDBC | | | Home Catal | og 📑 New 🗸 🚬 Open 🗸 Signed In As weblogic 🤇 |
| ata Sources JDBC JNDI File LDAF Add Data Source | D OLAP Web Services HTTP | | | |
| Data Source Name | Connection String | Delete | | |
| demo | jdbc:oracle:thin:@HOST:PORT:SID | Û | | |
| FCBIP | jdbc:oracle:thin:@10.184.155.69:1521:JC2DEV | Û | | |
| | jdbc:oraclebi://ofss220047.in.oracle.com:9702/ | Î | | |

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



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| | | | | Apply | Cancel |
| General | | | | | |
| Data Source Name * Driver Type * Database Driver Class | Oracle 11g 💌 | abase Connection | Ι. | | |
| Use System User * Username Password Pre Process Function Post Process Function | UB5JC2PDEV | | | | E |
| 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 i | nformation. | | | |
| Use Backup Data Source Connection String | | | | | |
| Username Password | Test Connection | | | | |

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.

 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.



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| Create Report Report Job | Recent Reports | | | | |
| Browse/Manage | Others | | | | |
| Catalog Folders | Favorites Manage | | | | |
| Get Started Download BI Publisher Tools 🕶 | | | | | |
| Help Contents | | | | | |

2. On the left pane, click 'Catalog Folders' under 'Browse/Manage...' The following screen is displayed.

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| Report Job | | | | |
| 📑 Data Model | | | | |
| 🚺 Style Template | | | | |
| 🗐 Sub Template | | | | |
| | | | | |
| | | | | |

3. Click the new icon and select 'Folder' from the drop-down menu. You will get a prompt to enter the folder name and description.

| Create | | | × |
|--------------|------------------|--------|--------|
| *Folder Name | FCReports | | |
| Description | Flexcube Reports | | |
| | | | |
| | | | |
| | | Create | Cancel |

- 4. Specify the folder name and enter a brief description of the folder.
- 5. Click 'Create' button. This action completes the creation of folder. You can find the newly created folder under 'Shared Folders'.



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| v 🔄 Samples | | | | | |
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- 6. If Multi entity is enable in FLEXCUBE deployment .Create the entity folder entity wise under (FCReports folder) . please place the all the Reports artifacts under entity folder
- 7. You can now edit the permissions for the newly created folder. Click the link 'More'. You will get a drop-down menu.

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| | -A Permissions | | | |
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8. Click 'Permissions'. The 'Permissions' window pops up.

| | n /FCReports | | | | | | |
|---|---|----------|----------|----------|-------------------|-----------------|-------------------|
| 1 | Apply permissions to items within this fo | older | | | | | |
| | Role Name | Read | Write | Delete | Run Report Online | Schedule Report | View Report Outpu |
| | BI Administrator Role | 1 | V | V | V | V | V |
| | BI Author Role | | V | V | V | V | V |
| | 🕃 BI Consumer Role | | V | V | 1 | \checkmark | \checkmark |
| | Role 1 | | V | V | V | V | V |
| | Role2 | V | | | | ✓ | V |

9. Apply all the permissions for the newly created folder. Click 'OK' button.



The new folder 'FCReports' is available in the path '<BIPublisher Repository path>/Reports'. For example, the folder path may be '<BIP_HOME>/FCReports/scratch/app/obi115/user_projects/domains/120BIREP/config/bipub lisher/repository/Reports'

- 10. In the shipment media, copy all the files from the following folders:
 - MAIN/<Module>/Datamodels
 - MAIN/<Module>/Reports
 - MAIN/<Module>/Advice_11g/Datamodels
 - MAIN//<Module>/Advice_11g/Reports (except Branch Module)
 - MAIN/<Module>/Advice_11g/XSD
- 11. Go to the folder '<BI Publisher repository>/FCReports' in the destination directory and paste the copied files.
- 12. 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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- 13. This screen displays both the data model (xdm) files and report (xdo, rtf) files. You can click the link 'Open' under the files and view the report.
- 14. Similar to FCReports folder, create a folder by name 'Adv' under FCReports and move Branch Advice Files to it.



• MAIN/Branch/Advice_11g/Reports

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

15. 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.

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



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| Security Configuration Security Configuration Roles and Permissions Digital Signature | Runtime Configuration Properties Font Mappings Currency Formats |
| Delivery Delivery Configuration Printer Fax: Email WebDAV HTTP FTP CUPS Server CUPS Server | Integration oracle BI Presentation Services |

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

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| stration > Currency Format | t | | | | |
| ntime Configuration roperties Font Mappings | Currency Formats | | | | |
| | , | | | | |
| Currency Format Add Currency Format | | | | | |
| Currency Code | Format Mask | Delete | | | |
| <u>SIP</u> | 999999999G999G999G999G990D99999MI | 1 | | | |
| STQ | 999999G999G999G999G999G990D99MI | 1 | | | |
| GNF | 999G999G999G999G999G999G999OMI | 1 | | | |
| PKR | 999999G999G999G999G999G999G990D99MI | Û | | | |
| CDF | 999999G999G999G999G999G999G990D99MI | 1 | | | |
| PAB | 999999G999G999G999G999G999D99MI | 1 | | | |
| PGK | 999999G999G999G999G999G999G990D99MI | 1 | | | |
| YG | 999G999G999G999G999G999G999OMI | 1 | | | |
| EN | 999999G999G999G999G999G999G990D99MI | 1 | | | |
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| <u>_KR</u> | 999999G999G999G999G999G990D99MI | Î | | | |

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



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| Administration > Currency Format > Add Currency Format | | | | |
| Add Currency Format | | | | Apply |
| Currency Format | | 1 | | |
| | * Currency Code GBP * Format Mask 999G999G999G999G990MI | | | |
| | | | | |
| | | - | | |
| | | | | |

- 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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