Oracle Financial Services Profitability Application Pack Installation and Configuration Guide

Version 8.0.3.0.0







## **DOCUMENT CONTROL**

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## **Executive Summary**

This document includes the necessary instructions to apply 8.0.3.0.0 Minor Release for OFS Profitability Application Pack and perform the required post install configurations. You can find the latest copy of this document in <u>OTN Documentation Library</u>.



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## Preface

This document provides step-by-step instructions to install the OFS Profitability Application Pack 8.0.3.0.0 Minor Release.

This chapter discusses the following topics:

- <u>Audience</u>
- How this Guide is Organized
- <u>Recommended Environment</u>
- <u>Conventions and Acronyms</u>

## Audience

Oracle Financial Services Profitability Application Pack Installation and Configuration Guide is intended for administrators, and implementation consultants who are responsible for installing and maintaining the application pack components.

### **Prerequisites for the Audience**

The document assumes that you have experience in installing Enterprise components and basic knowledge about the following is recommended.

The following are the expected preparations from the administrator before starting the actual installation:

- Oracle Financial Services Profitability Application pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server/ Web Application Server

## How this Guide is Organized

The Oracle Financial Services Profitability Application Pack Installation and Configuration Guide include the following topics:

- OFS Profitability Application Pack Minor Release 8.0.3.0.0
- Appendix A
- <u>Appendix B</u>
- Appendix C

- Appendix D
- Appendix E
- <u>Appendix F</u>

## **Recommended Environment**

OFSAA applications have been tested with Microsoft Internet Explorer<sup>™</sup>, Google Chrome, and Mozilla Firefox browsers. For best viewing of OFSAA Application pages, set the screen resolution to a minimum resolution of 1024 x 768 pixels.

## **Related Documents**

For more information, refer the Oracle Financial Services Profitability Application Pack 8.0.3.0.0 documents available in <u>OTN Documentation Library</u>.

## **Conventions and Acronyms**

Conventions	Description		
Actions are indicated in <b>Bold</b> .			
Command or query is indicated in C	ourier New font.		
AIX	Advanced Interactive eXecutive		
OFS AAI	Oracle Financial Services Analytical Applications Infrastructure		
OFS PFT	Oracle Financial Services Profitability Management		
OFS FTP	Oracle Financial Services Funds Transfer Pricing		
OFS EFPA	Oracle Financial Services Enterprise Financial Performance Analytics		
OFS IPA	Oracle Financial Services Institutional Performance Analytics		
OFA RPA	Oracle Financial Services Retail Performance Analytics		
RHEL	Red Hat Enterprise Linux		
ML	Maintenance Level		
R	Third-party open source software. Open source R is governed by GNU General		
	Public License (GPL)		
Oracle R Distribution	Oracle R Distribution is Oracle's free distribution of open source R		
Oracle R Enterprise	Oracle R Enterprise integrates R, the open source scripting language and environment, with Oracle Database		

## **1** OFS Profitability Application Pack Minor Release 8.0.3.0.0

This Minor Release of OFS Profitability Management Application Pack is cumulative and includes all enhancements and bug fixes done since the OFS Profitability Management Application Pack v8.0.0.0 release.

## **1.1 Pre Installation Requirements**

- You should have OFS Profitability Management Application Pack version 8.0.0.0.0 as the minimum patch set level.
- The common app FSDF T2Ts gives a 'more than 1000 columns' error when it is executed on database version 12.1.0.2.0. To fix this error, the following patch needs to be applied:

Patch 19509982: DISABLE FIX FOR RAISING ORA-1792 BY DEFAULT

- OFS AAAI Application Pack 8.0.3.0.0 installer update patch has been regularized with Bug 23251358-Object Registration is failing with duplicate Constraint Names. This has been bundled as a utility called Update Constraints utility and is executed as part of the 8.0.3.0.0 patch installation.
  - It is advised to take a backup of the atomic schema for each Information Domain in the OFSAA instance before applying the patch.
  - Model upload component follows a new naming convention for PK and FK constraints. The keyword PK/FK is appended with the unique ID of each table followed by a sequence at the end as required. For example, PK on DIM\_ACCOUNT would be PK\_101, where 101 is the unique ID of DIM\_ACCOUNT (maintained in table AAI\_TABLE\_UID\_MAP of Atomic Schema). Similarly, FKs on FCT\_COMMON\_ACCOUNT\_SUMMARY would be FK\_206\_01, FK\_206\_02 and so on, where 206 is the unique ID generated for FCT\_COMMOM\_ACCOUNT\_SUMMARY. So, refrain from using such constraint names in the same schema to avoid duplicity issues.
  - Execution of the utility is a memory intense process as the entire steps involved for performing a full model upload is carried out as part of the utility for each of the Infodom. The OFSAA installation server needs to have twice the allocated memory, which is assigned using parameter X\_ARGS\_APPS.
  - Utility creates three temporary tables- REV\_TAB\_CONSTRAINTS\_U, REV\_TAB\_REF\_CONSTRAINTS\_U, and REV\_TAB\_CONSTRAINT\_COLUMNS\_U. If

**NOTE:** You can refer to Technology Matrix, for Hardware and Software Requirements. OFS Profitability Application Pack 8.0.3.0.0 release qualifies on Java 7 and Java 8.

the atomic schema has any of these tables already created for a different purpose, take a backup and drop/ rename.

 As in model upload process, for the applications that follow logical model upload like OFS\_AML in BD pack, the utility does not play any role, since persistence of the model is outside the purview of the utility. Any similar cases, which involves only logical model upload should be considered and taken care by the user.

For more information about the utility execution and log files information, see the **Update Constriants Utility** section in <u>Oracle Financial Services Advanced Analytical Applications</u> <u>Infrastructure Pack Installation and Configuration Guide</u>.

## 1.2 How to Apply This Minor Release?

## 1.2.1 Installing OFS Profitability Application Pack

**NOTE:** Ensure that ACL feature is not set during the installation.

Refer to the following instructions to download, extract, install, and configure this minor release.

- 1. Login to <u>https://support.oracle.com/</u> and search for **24653033** under the *Patches* & *Updates* tab.
- 2. Download the OFS Profitability Application Pack v8.0.3.0.0 archive file and copy it to your OFSAA server in **Binary** mode.
- **NOTE:** The archive files are different for every operating system like AIX, Solaris, and RHEL/ Oracle Linux.
- 3. Login to the OFSAA Server.
- 4. Shut down all the OFSAAI Services. For more information, refer to the **Start/ Stop Infrastructure Services** section in <u>Oracle Financial Services Advanced Analytical</u> Applications Infrastructure Application Pack Installation and Configuration Guide.
- 5. Execute the following command:

chmod -R 750 \$FIC\_HOME

- 6. If you have Unzip utility, skip to the next step. Download the Unzip utility (OS specific) and copy it in **Binary** mode to the directory that is included in your PATH variable, typically **\$HOME** path or directory in which you have copied the 8.0.3.0.0 installer.
  - Uncompress the unzip installer file using the command:

uncompress unzip\_<os>.Z

**NOTE:** In case you notice an error message "**uncompress: not found [No such file or directory]**" when the package is not installed, contact your UNIX administrator.

Give EXECUTE permission to the file using the command:

```
chmod 751 OFS PFT 8.0.3.0.0 <OperatingSystem>.zip
```

7. Extract the contents of the 8.0.3.0.0 archive file using the command:

unzip -a <name of the file to be unzipped>

**NOTE:** The above "-a" option is mandatory to unzip the archive file. For example: unzip\_aix -a OFS\_PFT\_8.0.3.0.0\_<OperatingSystem>.zip

 Give EXECUTE permission to the minor release archive file. Navigate to the path OFS\_PFT\_8.0.3.0.0\_<OperatingSystem>.zip and execute the command:

chmod 750 OFSAAIUpdate.sh

- 9. Update the parameters in params.conf file present in /OFS\_PFT\_PACK/OFS\_PFT/conf/ directory. The update instructions are present in the file itself.
- 10. Execute OFSAAIUpdate.sh file using the following command.

./OFSAAIUpdate.sh

11. Verify the Update.log file located at
 \$FIC\_HOME/utility/UpdateConstraints/logs folder which is created by
 Update Constraint utility.

Execution status information of the utility is available against each Information domain. For success, "Update successful" message is displayed. If it is successful, verify the following references for new constraint names:

- ftpshare/<INFODOM>/erwin/fipxml/<INFODOM> DATABASE.xml
- Constraint scripts under ftpshare/<INFODOM>/erwin/scripts/table
- **Constraint scripts under** *ftpshare/<INFODOM>/scripts*
- Object registration tables for constraints, REV\_TAB\_CONSTRAINTS, REV\_TAB\_REF\_CONSTRAINTS, REV\_TAB\_CONSTRAINT\_COLUMNS.
- Oracle Data Dictionary in respective atomic schema for each Infodoms.

If you encounter errors in the Update.log file, identify the failed Infodoms. Then troubleshoot and execute the standalone utility for the failed Infodoms. For more information on executing the update constraints utility, see the section **Update Constraints Utility** in <u>Oracle Financial Services Advanced Analytical Applications</u> Infrastructure Pack Installation and Configuration Guide.

**NOTE:** If the infodom used in the current upgrade process is failing due to errors in Update Constraints Utility execution step, installer needs to be triggered again

after troubleshooting is done and the standalone utility is executed successfully for all the infodoms.

- 12. Secure your OFSAA Infrastructure. For more information, see the **Security Guide** in <u>OTN Documentation Library</u>.
- 13. After successful installation, follow these steps:
  - Clear the application cache. Navigate to the following path depending on the configured web application server and delete the files.
  - Tomcat:

<Tomcat installation folder>/work/Catalina/localhost/<Application name>/org/apache/jsp

Weblogic:

<Weblogic installation location>/domains/<Domain name>/servers/<Server name>/tmp/\_WL\_user/<Application name>/<auto generated folder>/jsp\_servlet

Websphere:

<Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>

- 14. Add umask 0027 in the .profile of the UNIX account which manages the WEB server to ensure restricted access permissions.
- 15. Perform the necessary additional configuration as mentioned in the following sections:
  - Appendix A
  - <u>Appendix B</u>
  - Appendix C
  - Appendix D.
- 16. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying EAR / WAR file, refer to the **Post Installation Configuration** section in <u>Oracle Financial Services Profitability Management Application Pack Installation Guide Release 8.0.0.0.0</u>.
- After the successful installation of the release, restart all the OFSAAI services. For more information, refer to the Start/ Stop Infrastructure Services section in Oracle <u>Financial Services Profitability Management Application Pack Installation Guide</u> <u>Release 8.0.0.0.0</u>.

## **1.3** Post Installation Configuration

## 1.3.1 Configure excludeURLList.cfg file

Configure excludeURLList.cfg file, follow these steps:

- $1. \ \ Locate \ the \ webserver \ deployed \ area \ {\tt webroot/conf/excludeURLList.cfg} \ file.$
- 2. Modify the following entries:
  - [SQLIA]./dataIntegrator/ to [ALL]./dataIntegrator/
  - [SQLIA]./ETLExtractionServlet to [ALL]./ETLExtractionServlet
- 3. Save the changes and restart the webserver. Resave the definition.

## Appendix A: Installation of R and Oracle R Enterprise (ORE)

This is an optional step and required only if you intend to use Term Structure Parameter Estimation functionality under Rate Management – Interest Rates, for computing term structure parameters. Both Funds Transfer Pricing and Asset Liability Management applications require term structure parameters for all monte carlo engine based calculations (OAS, VaR and EaR).

Following are the prerequisites:

- Install R and Oracle R Enterprise Server on the Oracle Database server. For more information, see https://docs.oracle.com/cd/E57012\_01/doc.141/e57007.pdf
- ORE version supported Oracle R Enterprise (Server) version 1.5

## **Configuration for Oracle R Enterprise**

Grant the RQADMIN role to atomic schema.

You can grant the rqadmin role in SQL\*Plus by logging in to the database with DBA privileges and provide the following privilege to Atomic Schema:

RQADMIN by executing the command:

GRANT RQADMIN TO < atomic\_schema>;

## **Appendix B: FTP Web Service Configuration**

The following installation activity describes how to setup FTP web services to support the Breakage Charge Economic Loss calculation. The calculation logic is same as the FTP Adjustment Rule Breakage Charge calculation. This FTP Economic Loss WebService is now independent of EXEWebService. Note that other FTP web services are installed automatically and require no further setup.

## Approach

The FTP Web services are designed as a wrapper which will call the FTP Engine for the calculation of Economic Loss. The FTP Web Service is available in its own context and has a specific WSDL for that context.

### Architecture



## Prerequisites

- For WebLogic and WebSphere, Datasource should be present with JNDI name as *jdbc/FTPWS*.
- For Tomcat a separate context entry should be present in server.xml file.

## Log4j configuration

log4j.properties file is already present inside WEB-INF/classed folder of the war file. Logs will be generated inside \$root\_directory\_of\_war/logs/webservice.log file.

#### Setup Environment variable - ofsaaws.properties

ofsaaws.properties file is available in *WEB-INF/classes* folder. Specify the cpp\_component name. Place the component libbcservices.so under /ficdb/lib/libFSGBU. Add the library location to LD\_LIBRARY\_PATH.

**NOTE:** If Webservices are deployed in an environment other than where OFSAA is deployed, then copy /ficdb/lib/libFSGBU to webservices environment and set in LIBRARY path.

- cpp\_component= libbcservices.so(libbcservices.o)----for AIX
- cpp\_component=bcservices -----for Solaris
- cpp\_component=bcservices -----for linux

#### Creating FTPWebServiceAXIS.war

1. Go to the server path in which the application is running.

For Example: \$FIC HOME/FTPWebService

2. Run "ant.sh" in this folder. FTPWebServiceAXIS.war will be created in the same folder.

#### Deploying FTPWebServiceAXIS.war

#### For Tomcat:

- 1. Copy the above WAR file to the webapps folder of apache tomcat directory.
- 2. Go to conf folder of apache tomcat and add a separate context entry in server.xml file with resource name as *jdbc/FTPWS*.

#### Example:

```
<Context path="/FTPWebServiceAXIS" docBase="/<Tomcat_webapps>
/FTPWebServiceAXIS" debug="0" reloadable="false"
crossContext="true">
<Resource auth="Container"
name="jdbc/FTPWS"
type="javax.sql.DataSource"
driverClassName="oracle.jdbc.driver.OracleDriver"
username="username"
password="password"
factory="org.apache.tomcat.jdbc.pool.DataSourceFactory"
```

url="jdbc:oracle:thin:@db-ip:dp-port:dbname"
maxActive="300"
maxIdle="30"
maxWait="10000"
removeAbandoned="true"
logAbandoned="true"/>
removeAbandonedTimeout="600"

</Context>

3. Restart the server.

#### For Weblogic and Websphere:

- 1. **Deploy** FTPWebServiceAXIS.war from admin console.
- 2. Create datasource for database connection with JNDI name as *jdbc/FTPWS*.
- 3. WSDL is present at following URL.

http://ipaddress:port/FTPWebServiceAXIS/services/OFSAAFTPService?wsdl

## Appendix C - Deploying Profitability Pack Dashboards and Analytics

## Installing OBIEE Server

To install Oracle Business Intelligence Enterprise Edition (OBIEE) server, refer to Oracle Fusion Middleware Installation Guide for Oracle Business Intelligence11g Release 1 (11.1.1.7.1 or 11.1.1.9.5). After installing Oracle Business Intelligence Enterprise Edition (OBIEE) server, get the Enterprise Manager URL, username, password, and OBIEE installed directory from the System Administrator.

**NOTE:** Once the OBIEE server is installed, it should be upgraded to the version as mentioned in the Environment section.

## Installing OBIEE Windows Administration Client

To install OBIEE repository administration client for Windows machine, refer to Oracle® Fusion Middleware Installation Guide for Oracle Business Intelligence11g Release 1 (11.1.1).

## **Disabling the Cache Feature in OBIEE Server**

To disable the cache feature in OBIEE server, log in to the Enterprise Manager, and do the following:

1. Click Business Intelligence folder from left hand side menu and select coreapplication.

•	☆ coreapplication <sup>③</sup>	Logged in as weblo
Farm_bifoundation_domain	Business Intelligence Instance *	Page Refreshed Feb 2, 2017 12:49:17 PM IST
<ul> <li>▷ WebLogic Domain</li> <li>▽ Business Intelligence</li> <li>○ coreapplication</li> <li>▷ Essbase Servers</li> </ul>	Change Center:	3
Constant a Repositories	Performance Options Use this page to tune the performance of this BI Instance.	Apply
	Enable DI Server Cache Enable DI Server Cache cace greatly reprove performance by enabling users who share data visibility to retrieve rew sets from queries that have already been run at the cost of the possibility of seeing state data. Cache enabled Maximum cache entry size 20 (\$ MB -	User: Session Explay Reducing the user session explay time will increase performance as resources associated with the session can be released to service new requests. The downskle is that users will be required to log in more frequently and can lose transient session state. Explay Time 210 20 Minutes -
	Maximum cache entries     1000 (\$)       Global Cache       These settings apply to the cache when the BI server is dustered.       Global cache path	Nacimum Number of Rows Processed when Rendering a Table View This setting hinds how much data is retrieved from the ISsever and processed. The default value is 65000. Reducing the maximum number of rows processed can significantly improve performance by reducing the system resources that can be consumed by a given user session. Number Of Rows 65000 Table
	Global cache size 0 0 0 MB RPD Updates Disallowing RPD updates can increase performance.	Placianum Humber of Rooss to Downhad Use this hot seedy the number of rooms in a view that can be downhaded (to html, whtml, pdf, excel, etc.) The default value is 2000. Reducing the maximum number of rooms that can be downhaded can improve performance where exports are common. Number Of Rooms 2000 ©
		Haximum Number of Rows Per Page to Include           Use this box to specify the number of rows per page to include in deliveries sent via Delivers agents. The default value is 75.           Reduring the maximum number of rows in delivered content can improve performance by reducing the system resources required to process these agents.           Number Of Rows         75 (2)

Figure 1: OBIEE Windows Administration Screen to Disable the Cache

2. Click on Capacity Management tab.

- 3. Select **Performance** tab.
- 4. Click Lock and Edit Configuration tab.
- 5. Uncheck the Cache Enabled option to disable the cache.

## **Deploying Profitability Pack Report Analytics**

To deploy Analytic Reports, follow these steps:

1. Stop Oracle Process Manager and Notification Server (OPMN) services by executing the following command:

<OBIEE Installed Directory>/instances/instance1/bin./opmnctl stopall

- 2. Copy OFS\_PFT\_PACK.rpd from *\$FIC\_HOME/OFSPFTPACKBI/OBIEE11G* of Web layer to windows machine where the OBIEE windows administration client is installed.
- **NOTE:** The RPD/ Catalog for version 7.1 and 9.5 are packaged within different folders in the installer.
- 3. To change the default password for the repository, follow these steps:

O Open					<b>×</b>
Look in:	<b>OBIEE</b>		•	G 🤌 📂 🛄 🗸	
Recent Places	Name A OFS_PFT_P	ACK.rpd		Date modified 2/8/2017 2:16 PM	▼ Type     RPD File
Desktop					
Libraries					
Computer					
Network	•				•
	File name:	OFS_PFT_PACK.pd		•	Open
	Files of type:	Repository Files (*.rpd	)	•	Cancel

a. Open the repository using OBIEE Windows administration client.

Figure 1: OBIEE Windows Administration Client to Open Repository

Oracle BI Administration Tool	- 0	83
File Tools Help		
_ <b>D # # # # 6 5</b>		
Image: Construction of the state of the		
For Help, press F1	NUM	

Figure 2: OBIEE Windows Administration Client to Select Repository from Windows Machine

b. Enter default repository password as Admin123.

ſ	O Oracle BI Administration Tool	
	File Tools Help	
	□ ☞ ☞ ☞ ♀ 8 & X = 1   2   3 = 1 + 0 0 0 4 4 5 5 5 5 5 1	
	Open Offline OFS_PFT_PACK.rpd	
L	i or neip, press ra	

Figure 3: OBIEE windows Administration Client to enter Repository Default Password

c. Click File menu, select Change Password.

Oracle BI Administration Tool - Ol	FS_PFT_PA	CK.rpd		
<u>File E</u> dit <u>View Manage T</u> ools	<u>D</u> iagran	n <u>W</u> indow	Help	
New Repository	Ctrl+N		1 & (*) @ @ @ \$* & G & H	
Open				
Multiuser Source Control			Business Model and Mapping	Physical
Class		'	Balance Sneet Haning     Balance Sneet Haning	Gistomer Insight Database
Save	Ctrl+S		Institutional Performance	E 🚡 Customer Insight Essbase
Save As		•	Management Reporting	B-B EFPA
Copy As		•		H-US CFFA_Essoase
Change Password				
Print Preview				
Print				
Import Metadata				
Compare				
Turn off Compare Mode				
Merge				
Check Global Consistency	Ctrl+K			
		_		
Check Out All				
Undo All Changes				
		-		
2 Cilliners) JOES BET BACK rod				
3 C:\Users\\OFS PFT PACK.rpd				
4 C:\Users\\OFS_PFT_PACK.rpd				
Exit				
Others	_	- 1		
Prospect				
Segment     Merchant Category				
∃ Sales Stage				
Activity Type				
		-		
Change repository password				NUM



- 4. Enter the new password. Click **OK**.
- 5. To configure connection pool of repository, follow these steps:
  - a. In the physical section, expand 'Customer Insight Database' folder.

ao\Deskton\Administration.lnk		Connection Pool - Customer Insight Connection Pool	
Oracle BI Administration Tool - OFS_PFT_PACK.rpd		General Connection Scripts XML   Write Back   Miscellaneous	
ile Edit View Manage Tools Diagram Window	Help	Name: Oustomer Insight Connection Pool Permissions	
Presentation	Business Mo	Call interface: Default (OCI 10g/11g)	
+ Line of Business	+ 😥 Balar	Maximum connections: 4-	
Reporting Line	🗄 🚺 Finan	Require fully qualified table energy	
🕀 🔠 Branch	🕀 🔞 Institu	1 Require fully qualified table names	Pool
Geography	🗉 📦 Mana	Data source name: <a href="https://www.communication.com"></a>	Pool (Init Block)
Currency	🗄 🥡 Retai	Shared logon	
E Scenario		Iburners Desmark	
H-III Hun		rassword.	
Product Family Holding		<ul> <li>Enable connection pooling</li> </ul>	
Dealer     Outomar Dimensions		Timeout: 5 (minutes)	
E. Customer Dimensions			
		Use multitriedded connections	
Customer Vintage		✓ Parameters supported	
Customer Profile By Age On Book		Isolation level: Default	
Industry		Description	
🗉 🎹 Customer Parent Child Details —			
- Count Dimensions			
Account			
Account Status			
Acquisition Channel			
Attrition Reason			
Migration Reasons			
Source Channel     Before Line of Business			
Delinguager Pand			
Chers			
+ Prospect			
E Segment			
Merchant Category			
		OK Cancel Help	
Activity Type			
Opportunity			
Sales Representative			
Opportunity Win/Loss Reason			
Grganizational Unit			
Organizational Structure			
		P	NUM
onnection Pool Customer insight Database"."Customer Ins	signt Connect	ION POOL	MOM

b. Double-click 'Customer Insight Connection Pool' to open the Connection Pool Properties window. c. Enter the following in *Data Source Name* text box of Connection Pool Properties window after modifying:

<Database Server Host Name> and <Database Name>

(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=<Database Server HostName>)(PORT=1521))(CONNECT\_DATA=(SERVER=DEDICATED)(SERVI CE NAME=<Database Name>)))

- d. Enter atomic schema user in User name text box.
- e. Enter atomic schema user password in **Password** text box.
- f. Click **OK**.





- g. Double-click 'Customer Insight Connection Pool (Init Block)' to open the Connection Pool window (Figure 8).
- h. Enter the following in Data Source Name text box of Connection Pool properties window,

< Database Server Host Name > and <Database Name>

(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=<Database Server HostName>)(PORT=1521))(CONNECT\_DATA=(SERVER=DEDICATED)(SERVI CE NAME=<Database Name>)))

i. Enter atomic schema user in **User name** text box.

- j. Enter atomic schema password in **Password** text box.
- k. Click OK.
- 6. To configure connection pool for EFPA, modify 'OFSEFPA Connection Pool' and 'OFSEFPA Init Block' connection pool and set the property which is inside of 'EFPA' folder in the physical section.
- 7. Click File menu and then click Save.

Bit If Yiew Manage Tools Diagram Window Help         New Repository       Ctrl-N         Open       Image Status         Multiuser       Image Status         Source Control       Image Base Sheet Branging         Close       Cuti-S         Swe A:       Image Description         Copy As       Image Description         Charge Password       Image Password         Print Preview       Print         Charge Landscount       Bit ACSUMIT         Manage Password       Bit Manage Password         Print Preview       Print         Print Preview       Print         Print Preview       Print         Check Global Consistency       Ctrl-K         Check Global Consistency       Ctrl-K         Check Global Consistency       Ctrl-K         Check Out All       Check Global Consistency	Oracle BI Administration Tool - OFS_PFT_PACK.rpd							
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8. Click Yes on the pop-up message "Do you want to check global consistency?".



Figure 9: OBIEE Windows Administration Client to check global consistency

9. Click **OK**, on the pop-up message Consistency check didn't find any errors, warning or best practices violations.



**NOTE:** Warnings on consistency check can be ignored.

#### Figure 10: OBIEE Windows Administration Client with global consistency checking message

#### List of Warning Messages:

**Business Model Financial Reporting:** 

[39090] Logical column "Financial Reporting"."Dim - Reporting Period"."Month" has invalid Sort Order column 'Month Sort'.

**Business Model Management Reporting:** 

[39090] Logical column "Management Reporting"."Dim - Reporting Period"."Year" has invalid Sort Order column 'Year Calendar'.

#### GLOBAL:

[39092] Presentation level "Retail Performance".."Branch"."Branch Hierarchy"."Region" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Retail Performance".."Time"."Time Hierarchy"."Year" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Retail Performance".."Product"."Product Hierarchy"."Leve20" is first under presentation hierarchy, but logical level it is associated with is not grand total level. [39092] Presentation level "Income Statement".."Reporting Period"."Time\_Hierarchy\_Month"."Month" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Income Statement".."Reporting Period"."Time Hierarchy Year\_Month"."Year" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Financial Ratios".."Reporting Period"."Time\_Hierarchy\_Month"."Month" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Financial Reporting"..."Reporting Period"."Time Hierarchy Month"."Month" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Financial Reporting".."Reporting Period"."Time Hierarchy Year\_Month"."Year" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet".."Reporting Period"."Time\_Hierarchy\_Month"."Month" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Financial Reporting".."Reporting Period"."Time Hierarchy"."Year" is first under

presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Institutional Performance".."Time"."Time Hierarchy"."Year" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Financial Ratios".."Reporting Period"."Time Hierarchy"."Year" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Income Statement".."Reporting Period"."Time Hierarchy"."Year" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet".."Reporting Period"."Time Hierarchy"."Year" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Account"."Gen2,Account" is first under presentation hierarchy, but logical level it is associated with is not grand total level. [39092] Presentation level "Balance Sheet Planing".."Period"."Period"."Gen2,Period" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Years"."Years"."Gen2,Years" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Scenario"."Gen2,Scenario" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Entity"."Entity"."Gen2,Entity" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Version"."Gen2,Version" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Strategy"."Strategy"."Gen2,Strategy" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Chart of Account"."Chart of Account"."Gen2,Chart of Account" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092]Presentationlevel"BalanceSheetPlaning".."AttributeValue"."AttributeValue"."Gen2,AttributeValue"isfirstunderpresentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Currency"."Gen2,Currency" is first under

presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Intercompany Entity Flag"."Intercompany Entity

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[39092]Presentationlevel"BalanceSheetPlaning".."AssetClass"."AssetClass"."Gen2,AssetClass"isfirstunderpresentationhierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."COA type"."COA type"."Gen2,COA type" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet

Planing".."DelinquenciesExp"."DelinquenciesExp"."Gen2,DelinquenciesExp" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Fee Classification"."Fee Classification"."Fee

Classification" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Intercompany COA Flag"."Intercompany COA

Flag"."Gen2,Intercompany COA Flag" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092] Presentation level "Balance Sheet Planing".."Sample COA"."Sample COA"."Sample COA"."Gen2,Sample COA" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

[39092]Presentationlevel"BalanceSheetPlaning".."curr\_attrib"."curr\_attrib"."Gen2,curr\_attrib"isfirstunderpresentationhierarchy, but logical level it is associated with is not grand total level

[39092] Presentation level "Institutional Performance".."Segment"."Segment Hierarchy"."Type" is first under presentation hierarchy, but logical level it is associated with is not grand total level.

## Deploying EFPA/ IPA/RPA Application Report Analytics

Use the following procedure to deploy the EFPA/ IPA/ RPA applications report analytics:

**NOTE:** Ensure that Oracle Business Intelligence version 11.1.1.7.1 or 11.1.1.9.5 is available.

1. Set the <Oracle BI Instance Home> directory> =>.\

For example: /u01/OBIEE11G/instances/instance1

- 2. Start Weblogic AdminServer.
  - a. Set the < BI Domain Home> directory> => e.g. /u01/OBIEE11G/user\_projects/domains/bifoundation\_domain.
  - b. Navigate to < BI Domain Home >/bin and run 'nohup ./startWebLogic.sh &'
  - c. Bringing up this service may take a few minutes depending on your environment.Check the logs using the command 'tail –f nohup.out'
- 3. Start Node Manager.
  - a. Set the < WebLogic Server Home > directory> => e.g. /u01/OBIEE11G/wlserver\_10.3.
  - b. Navigate to <WebLogic Server Home>/server/bin and run

`nohup ./startNodeManager.sh &'.

- 4. Start Weblogic Managed Server(bi\_server1).
  - a. Login onto http://localhost:7001/console using your Administrator credentials created during platform install (Replace the hostname based on your setup).
  - b. Under Environment block (mid of page, towards left side), click on Servers link.



c. The bi\_server1 line should show as shutdown state at this point.

Server 🗟	Machine	State	Status of Last Action
AdminServer(admin)	laliv-lap	RUNNING	None
bi_server1	laliv-lap	SHUTDOWN	TASK COMPLETED

d. Click on control page tab.

a contraction of the second	-
Configuration	Control

- e. Select the bi\_server1 line by clicking on the left tick box,
- f. Click start button at the top of the list and confirm starting this service.

Star	Resume Suspend Shutdown Resta	rt SSL	
	Server 🐟	Machine	State
	AdminServer (admin)	laliv-lap	RUNNING
	bi_server1 .	lalv-lap	SHUTDOWN

- g. State will update to "RUNNING" mode after a few minutes.
- 5. Start BIEE services and login.

Starting services From EM screen:

- Login to the EM administration screen using the url http://localhost:7001/em (Replace the hostname and port number based on your setup). Use the login you created in BIEE installation to log in.
- b. Expand 'Business Intelligence' node on the left and choose Coreapplication.

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#### **Oracle Financial Services Software**

- c. Click on the **Overview** Tab,
- d. Click on blue button 'Restart' (or green button 'Start' ) under the Manage System category, middle of screen,
- e. Click yes on dialog box to confirm the move. Wait for message that confirms successful restart.

If starting using EM is not successful and complaining about OPMNCTL not up, follow the starting process with OPMNCTL.

- a. Open a command prompt, navigate to <Oracle BI Instance Home>/bin.
- b. run "./opmnctl status, this will show you status of all the OBIEE core services.
- c. run "./opmnctl startall" or "./opmnctl stopall" depending on your need.
- 6. Deploy RPD and webcat file(s).
  - a. Copy OFS\_PFT\_PACK.rpd from \$FIC\_HOME/OFSPFTPACKBI/OBIEE11G of Web layer to windows machine where the OBIEE windows administration client is installed.
  - b. Login to OBIEE Enterprise Manager URL (http://<ip address>:<port>/em).
    - Click on hyperlink 'coreapplication' from 'Business Intelligence' tab on left hand side.
    - Under 'coreapplication', select the tab 'Deployment' and in that select subtab 'Repository'.

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 Click 'Lock and Edit Configuration' button located below title 'coreapplication'. Following screen is displayed.



c. RPD Deployment:

Select 'Browse' button available under 'Upload BI Server Repository' section and select OFS\_PFT\_PACK.rpd file from the local folder. Enter Repository password Admin123.

d. Web catalog Deployment:

Open the analytics OBIEE URL-(http://<ipaddress>:<port>/analytics) and login with the credentials.

- e. Click "Catalog" link available on the top right corner.
- f. Click "Shared Folders" and then "Un-Archive".

**Oracle Financial Services Software** 

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g. Browse the path where "OFS\_PFT\_PACK.catalog" is copied in the local folder. Select the file and click "Open". Then click "OK".

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h. Click "Dashboard" and click on any of the reports to ensure that all the reports are available.

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		To add content, click Edit dehere or in the toolbar.				

- 7. Follow the bellow steps to restart all services in OBIEE "Enterprise Manager".
  - a. Open the EM OBIEE URL- (http://<ipaddress>:<port>/em) and login with the credentials.
  - b. Click the "coreapplication" link.

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c. Click the "Restart" button.

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Business Intelligence	Overview Availability Capacity Management Diagnostics Security Deployment
Metadata Repositories	System Shutdown & Startup
Metadata Repositories	System Shutdown & Startup

d. Click "Yes" to restart all BI components.

A message is displayed as follows:



After restart is done, a confirmation message is displayed as follows:

Confirmation	
Restart All - Completed Successfully	
Done	
	Close

- 8. Configure tnsnames.ora as follows:
  - a. Open "tnsnames.ora" file under the folder <Oracle Home>/network/admin.
  - b. Make sure an entry is made in the tnsnames.ora to connect to atomic schema of OFSAA application.
  - c. Save the tnsnames.ora.
- 9. Configure ODBC data source to connect to Oracle BI Server as follows:
  - a. Go To Control Panel>Administrative Tools>Data Sources (ODBC).
  - b. Select the 'System DSN' tab and click 'Add' Button.
  - c. Select a driver specific to (Oracle BI Server 11g) and click 'Finish' Button.
  - d. Enter 'Name' and 'Server' details (Specify the Host Name or IP Address of the BI Server and click 'Next').
  - e. Enter Oracle BI Server login id and password (Enter User Name and Password created at the time of OBIEE installation). Click 'Next'.
  - f. Click 'Finish'.
- 10. Modify RDBMS connection pool and set the properties as follows:
  - a. Open the OBI Administration tool.
  - b. Select Start > Programs > Oracle Business Intelligence > BI Administration.
  - c. Select File > Open > Online and select 'OFS\_PFT\_PACK.rpd' file from the Open dialog box.
  - d. Enter Repository password as 'Admin123' to open it online.
  - e. In the "Physical" layer, double-click the "OFSEFPA Connection Pool" to open its properties.
  - f. Enter the following in Data Source Name text box of Connection Pool Properties window,

```
<Database Server Host Name> and <Database Name>
```

```
(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=<Database Server
Host
```

```
Name>) (PORT=1521)) (CONNECT_DATA=(SERVER=DEDICATED) (SERVICE_N
AME=<Database Name>)))
```

- g. User name: <enter atomic db user name>.
- h. Password: <enter atomic db user password>.

- i. Confirm password and Click 'OK' to close the window and click 'Save' to save the RPD file.
- j. Click 'No' for the Global Consistency Message.
- k. Repeat the steps from 9.f to 9.l to set the connection properties for "OFSEFPA Init Block".
- I. Close the RPD file (File / Exit).
- 11. In case RPD deployment is done on Essbase, then modify ESSBASE connection pool and set the properties.

## Appendix D - Steps for Deploying D3 to Entitlement Server

To deploy the D3 to entitlement server, do the following:

- 1. Download d3.zip of version 3.5 and place it in your local folder.
- 2. Unzip the d3 folder and move this to analyticsRes in your entitlement server.
- **NOTE:** To view the Customer Group Structure report, place the hashmap.jsp file in d3 folder under **analyticsRes** and restart the application from Weblogic console. hashmap.jsp file is the part of Installer.



3. Copy the **WEB\_INF** directory from **analyticsRes** into d3 folder.

🌗 d3 🔹 🔹 🚰 🔽 🦛 🔹 🔶 🐔 🔂	1 🔂 🎜	🖀 Find Files 🛛 🗧		
🖩 🔐 Download 🔐 📝 Edit 🗙 🚮 🕞 Properties	🗳 🗟 🗉	F - A		
/scratch/obieehome/instances/instance1/bifoundation	/OracleBIPre	sentationServicesCompone	nt/coreapplicat	tion_obips1/analyticsRes/d3
Name	Size	Changed	Rights	Owner
		13-07-2015 PM 02:31:54	rwxr-x	merajend
		13-07-2015 PM 02:38:56	rwxr-xr-x	merajend
	2 KB	07-02-2015 PM 12:28:18	rw-rr	merajend
📓 d3.min.js	148 KB	10-02-2015 AM 08:32:14	rw-rr	merajend
📓 d3.js	329 KB	10-02-2015 AM 08:32:08	rw-rr	merajend

4. Login to web logic server, go to **Deployments** in your domain structure, click the **Lock** & Edit button, and select Install.

	dministration Console					
Change Center	🔒 Home Log Out Preferences 🚵 Record Help					
View changes and restarts	Home >Summary of Deployments					
No pending changes exist. Click the Release	Summary of Deployments					
domain.	Control Monitoring					
Lock & Edit						
Release Configuration	Release Configuration Inis page displays a list of Java LE applications and stand-alone application modules that have been installed to this domain. Installe					
To install a new application or module for deployment to targets in this domain, dick the Install button. Domain Structure						
bifoundation_domain						
	Peolovments					
Services     Security Realms	India India Delete Got y					
	Name 🗞					
	adf.oracle.businesseditor(1.0,11.1.1.2.0)					
	Image: mail of the second se					
	Additional and the second s					
How do I	E Gadminservice (11.1.1)					
<ul> <li>Install an Enterprise application</li> </ul>	Tanalytics (11.1.1)					
Configure an Enterprise application     Update (redeploy) an Enterprise application	□					
Start and stop a deployed Enterprise     application	B asyncadminservice (11.1.1)					
Monitor the modules of an Enterprise     application	C 6biem					
Deploy EJB modules	Betadminservices (11.1.1)					
Install a Web application	Diadminservlet (11.1.1)					
System Status 🗉	Install Update Delete Start v Stop v					
Health of Running Servers						
Failed (0)						

5. Once you click on **Install** button, it will take you to the screenshot below where you will paste the full path to the d3 directory , check the checkbox next to **d3** (open directory) and click **Next**.

Install Application Assistant						
Back Next Finish Cancel						
Locate deployment to install and prepar	re for deployment					
Select the file path that represents the applicat	ton root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the path of the application directory or file in the Path field.					
Note: Only valid file paths are displayed below	. If you cannot find your deployment files, upload your file(s) and/or confirm that your application contains the required deployment descriptors.					
Path: /scratch/obieehome/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/analyticsRes/d3						
Recently Used Paths: (none)						
Current Location:	ofss222590 / scratch / obiechome / instances / instance 1 / bifoundation / OradeBIPresentationServicesComponent / coreapplication_obips 1 / analyticsRes					
🖲 🎥 d3 (open directory)						
Back Net Frish Cancel						

6. On the next screen, you'll choose Install this deployment as an application and click **Next**.

erver®	Administration Console				
	Home Log Out Preferences      Record Help     Q				
	Home >Summary of Deployments				
ase	Install Application Assistant				
edit the	Back Next Finish Cancel				
	Choose targeting style				
_	Targets are the servers, dusters, and virtual hosts on which this deployment will run. There are several ways you can target an application.				
	Install this deployment as an application				
	The application and its components will be targeted to the same locations. This is the most common usage.				
	Install this deployment as a library				
	Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications.				
	Back Next Finish Cancel				

7. On the next screen, select "I will make the deployment accessible from the following location" and click **Finish**.

erver® /	Administration Console					
	🟦 Home Log Out Preferences 🖂 Record Help					
	Home > Summary of Deployments					
ise dit the	Install Application Assistant					
	Back Next Finish Cancel					
	Optional Settings					
	You can modify these settings or accept the defaults					
	- General					
	What do you want to name this deployment?					
	Name: d3					
	- Security -					
	What security model do you want to use with this application?					
	(a) DD Only: Use only roles and policies that are defined in the deployment descriptors.					
	🔘 Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.					
	Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.					
-	O Advanced: Use a custom model that you have configured on the realm's configuration page.					
	Source accessibility					
	How should the source files be made accessible?					
arver	◎ Use the defaults defined by the deployment's targets					
cation	Recommended selection.					
-	Copy this application onto every target for me					
	During deployment, the files will be copied automatically to the managed servers to which the application is targeted.					
	(a) I will make the deployment accessible from the following location					
	Location: /scratch/obieehome/instances/instance1/bifoundation					
	Provide the location from where all targets will access this application's files. This is often a shared directory. You must ensure the application files exist in this location and that each target can reach the location.					
	Back Next Finish Cancel					

8. On this screen, you will have to click on Activate Changes.

	2 desember 2 ' 1 -			
WebLogic Server		_		
Change Center	🟦 Home Log Out Preferences 🔊 Record Help			
View changes and restarts         Home > Summary of Deployments           Pending changes exist. They must be activated to take effect.         Home > Summary of Deployment has been successfully installed.           Image: Provide Changes         You must also activate the pending changes to commit this, and other updates, to the active system.           Image: Undo All Changes         Summary of Deployments				
Demain Churchura	Control Monitoring			
bifundation_domain       This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be stand-alone application modules that have been installed to this domain. Installed applications and modules can be stand-alone application modules that have been installed to this domain. Installed applications and modules can be stand-alone application modules that have been installed to this domain. Installed applications and modules can be stand-alone application modules that have been installed to this domain. Installed applications and modules can be stand-alone application modules that have been installed to this domain. Installed applications and modules can be stand-alone application application modules that have been installed to this domain. Installed applications and modules can be stand-alone application application modules that have been installed to this domain. Installed applications and modules can be stand-alone application application application of modules that have been installed to this domain. Installed applications and modules can be stand-alone application a				
	Deployments			
	Install Update Delete Start V Stop V			
	🔁 Name 🗞 🔤	itate		
How do I	adf.orade.businesseditor(1.0,11.1.1.2.0)	ctive		
Install an Enterprise application	afjadf.orade.domain(1.0,11.1.1.2.0)	ctive		

9. After activating the changes, the application will now be in a **Prepared** state, as in the screenshot below. You will have to stop the application by checking the checkbox next to it and selecting **Force Stop Now** from **Stop** menu.

ic Server®	Adm	ninist	ration Console								
	🔒 Home Log Out Preferences 🔛 Record Help										
	Home >Summary of Deployments										
Y, add or Summary of Deployments											
		Contr	ol Monitoring								
		This	page displays a list of Java EE applications	d stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the app							
_		To in	stall a new application or module for deplo	yment to targets in this domain, dick the Install button.							
		Cus	tomize this table								
		Denl	ovments								
		Ine	tal Indeta Dalata Gatu	9 m v							
				When work completes							
			Name 🗇	Force Stop Now		State	Health	Туре			
			E	Stop, but continue servicing administration requests		Active	🖋 ок	Enterprise Application			
			E Disecurity (11.1.1)			Active	🖋 ок	Enterprise Application			
			] 🕑 🛅 bisecurityadmin (11.1.1)			Active	🖋 ок	Enterprise Application			
			bithirdparty(11.1.1)			Active		Library			
on			⊞ 🐻 Calc (11.1.1)			Active	🖋 ок	Web Application			
application prise			7 🖻 🕡 d3			Prepared	🖋 ок	Web Application			
orise			DMS Application (11.1.1.1.0)			Active	🖋 ок	Web Application			
			🗄 🗷 📑 eas (11.1.1)			Active	🖋 ок	Enterprise Application			
	E Tem					Active	🖋 ок	Enterprise Application			
			nemai 👘			Active		Library			
		Ins	tall Update Delete Start ~	Stop 🗸							

10. You can start the application by checking the checkbox next to it and selecting **Servicing all requests** from the **Start** menu.

/er®	Adm	inist	ation Console					
	4	A Home Loa Quit Preferences Record Help						
		Home	Summary of Deployments					
yr	Summary of Denlowments							
Control Manifestion								
		This p	age displays a list of Java EE applications and stand-alo	ne application modules that have been installed to this domain. Installed applications and modules can be start	ed, stopped, updated (red	deployed), or delete		
		To in:	tall a new application or module for deployment to targe	ts in this domain, click the Install button.				
	0	Cust	omize this table					
		Depk	pyments					
		Install Update Delete Stat - Stop -						
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			E bisecurity (11.1.1)		Active	🖋 ок		
			🗄 📑 bisecurityadmin (11. 1. 1)		Active	🖋 ок		
			bithirdparty(11.1.1)		Active			
			E Calc (11.1.1)		Active	<b>≪</b> ок		
on			🗄 👩 d3		Prepared	🖋 ок		
			■ DMS Application (11.1.1.1.0)		Active	🖋 ок		

11. The application will now change to an **Active** state and ready to use.

Summary of Deployments					
Cont	rol Monite	ng l			
This	page displa	a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be starte	d, stopped, updated	(redeployed), or deleted	from the domain by first selecting the app
Toir	stall a new	olication or module for deployment to targets in this domain, click the Install button.			
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p cus	connec un				
Dep	oyments				
Ins	tall Upd	Delete     Start      Stop			
	Name 🚕		State	Health	Туре
	🗄 📑 bise	h (11.1.1)	Active	🖋 ок	Enterprise Application
	🗉 📑 bise	ity (11.1.1)	Active	🖋 ок	Enterprise Application
	🗉 📑 bise	ityadmin (11.1.1)	Active	🖋 ок	Enterprise Application
	<b>e</b> bithirdp	y(11.1.1)	Active		Library
	🗄 🐻 Calc	1.1.1)	Active	🖋 ок	Web Application
	<b>⊡</b> d3		Active	🖋 ок	Web Application

## **Appendix E – Mapview Configurations**

This section provides information on prerequisites, creating the mapviewer NAVTEQ data source, configuration edits and server starting.

**NOTE:** This is just a sample configuration working on sample data provided by NAVTEQ.

This section covers the following topics:

- Prerequisites
- <u>Creating the Mapviewer NAVTEQ Data source</u>
- <u>Creating the NAVTEQ Schema</u>
- <u>Configuration Edits and Server Starting</u>
- Loading FSI\_LOCATION\_MAP\_COORD for viewing NAVTEQ Maps

## **Prerequisites**

NAVTEQ database dump can be imported only into an Oracle 11g database. If you have no other option than using a 10g version, contact OBIEE/Mapviewer Product Management.

## Creating the Mapviewer NAVTEQ Data source

Ensure that you have a connection to 11g Oracle database from the machine where your OBIEE platform is installed.

Create a NAVTEQ schema within that database for holding the NAVTEQ spatial data.

To create NAVTEQ schema, perform the steps as explained in the following section.

#### Downloading the Mapviewer NAVTEQ Database Dump

To download the Mapviewer NAVTEQ Database Dump, follow these steps:

 Access the SampleApp\_Navteq\_dmp.zip file from the SampleApp download location (127MB)

http://www.oracle.com/technetwork/middleware/bi-foundation/obieesamplesarchive-2026956.html

2. Download and unzip the SampleApp\_Navteq\_dmp.zip file that contains an Oracle Database export file named

obiee\_navteq.dmp

## Creating NAVTEQ User

To create a NAVTEQ user, follow these steps:

- 1. Start a SQL\*Plus session to the Oracle Database as a user with system or DBA privileges.
- 2. Run the following script:

create user obiee\_navteq identified by obiee\_navteq default tablespace users quota unlimited on users; grant "connect" to obiee\_navteq; grant "resource" to obiee\_navteq;

- 3. Once the script is executed, verify whether you can connect to the newly created user.
- **NOTE:** The OBIEE\_NAVTEQ user creation script defaults with the password obiee\_navteq (same as user name) within the script. It is recommended that you keep this value unchanged to simplify configuration. Oracle OBIEE 11G SampleApp Deployment Instructions 32.

#### Creating the NAVTEQ Schema

To create NAVTEQ Schema, follow these steps:

#### Importing the database dmp file

 Import the Oracle Database export file - obiee\_navteq.dmp into the obiee\_navteq schema using the following import command, from the command line (Command Prompt in Windows):

c:\> imp obiee\_navteq/obiee\_navteq@connectString
file=obiee navteq.dmp FULL=Y

 ConnectString is the connection string to your Oracle Database 11g where the user obiee\_navteq was created in the step mentioned earlier. Wait for the import process to complete, once successfully completed, login on your DB as obiee\_navteq/obiee\_navteq and validate that you can view the schema tables and some data.

#### **Inserting Extra Spatial Metadata**

1. Start a SQL\*Plus session to the Oracle Database and connect as user obiee\_navteq.

For example: c:\>sqlplus obiee\_navteq/obiee\_navteq@connectString

2. Run the following script:

INSERT INTO user\_sdo\_maps SELECT \* FROM my\_maps; INSERT INTO user sdo themes SELECT \* FROM my\_themes;

```
INSERT INTO user_sdo_styles SELECT * FROM my_styles;
INSERT INTO user_sdo_cached_maps SELECT * FROM my_tile_cache;
Commit;
```

### **Configuration Edits and Server Starting**

Confirm that WLS server and WLS managed servers are up and running, and ensure that OMPNCTL is not running.

#### **NOTE:** Neither OBIS nor OBIPS are running.

#### MapViewerConfig.xml Edits (Optional)

1. Open the Mapviewer console using the following URL:

http://10.228.235.83:9704/mapviewer (replace 10.228.235.83:9704 with the correct IP address and port number on your install).

- 2. Click Admin.
- 3. Login with the username/password that you provided while installing the product.
- 4. Click **Configuration**. This opens the mapViewerConfig.xml on your setup.
- 5. Make the following updates to the xml file.

#### <security\_config> (Optional)

In the <security\_config> property of this file, make the following changes:

a. Change the <proxy\_enabled\_hosts> property to the following: Substitute the hostname, IP address and port to the correct values on your setup.

```
<proxy_enabled_hosts>
http://dadvmc0508.us.oracle.com:9704/mapviewer
http://dadvmc0508.us.oracle.com:9704/,http://10.228.235.83:9
704/
http://10.228.235.83:9704/mapviewer
</proxy enabled hosts>
```

b. Substitute any entries with these tags with the following property entries:

```
<disable_direct_info_request> true
</disable_direct_info_request>
<disable_info_request> true </disable_info_request>
<disable_csf>true</disable_csf>
<enforce_security_role> true </enforce_security_role>
```

Oracle OBIEE 11G SampleApp Deployment Instructions 33

#### **Predefined Data Sources**

- 1. At the end of the file, in the section named Predefined Data Source, add the following data source entry.
- 2. Replace the IP address, SID, and port to the correct values of the database where the obiee\_navteq schema has been created in the above steps.

```
<map_data_source name="OBIEE_NAVTEQ_SAMPLE"
jdbc_host="10.229.147.238" (use your db ip)
jdbc_sid="orcl" (use your db sid)
jdbc_port="1521" (use your db port)
jdbc_user="obiee_navteq"
jdbc_password="!obiee_navteq" (use your selected password if
different from OOB)
jdbc_mode="thin"
number_of_mappers="3"
allow_jdbc_theme_based_foi="false" />
```

**NOTE:** Ensure that all tags have been closed correctly and also the above data source is not within the comments section (ensure that it is outside the comments section which is represented by <!-- .. -->).

#### Save and Restart, Verify

Click **Save** and **Restart** button at the bottom of the file.

- 1. Verify whether you can view OBIEE\_NAVTEQ\_SAMPLE as an entry in data sources.
- 2. Then after you are successful, there will entry in DataSources section.
- 3. Login to Analytic screen > Administration.
- 4. Click Manage map Data.
- 5. Click Import Layer and then choose OBIEE COUNTRY.
- 6. Choose Preview MAP as OBIEE\_WORLD\_MAP\_FAST.
- 7. Same for OBIEE STATE.
- 8. Select Background Maps.
- 9. Use import Background maps and chosen OBIEE WORLD MAP FAST.

- 10. Edit the same, add layer OBIEE COUNTRY and then OBIEE STATE. While choosing, chose the location OBIEE WORLD MAP for higher Zoom value.
- 11. Select the zoom level for country 0 and for country 2...15.
- 12. Navigate back to Layers tab.
- 13. Edit OBIEE COUNTRY and OBIEE STATE.
- 14. By adding BI Key Columns

#### For Country:

- a. Choose Institutional Performance>Geography>Country Description.
- b. Choose Institutional Performance>Branch>Branch Country Description.
- c. Choose Retail Performance>Geography>Country Description.

#### For State:

- a. Choose Institutional Performance>Geography>State Description.
- b. Choose Institutional Performance>Branch>Branch State Description.
- c. Choose Retail Performance>Geography>State Description.

15. Once configuration.xml file is restarted, click Data Sources.

## Loading FSI\_LOCATION\_MAP\_COORD for viewing NAVTEQ Maps

For NAVTEQ Maps to work, it requires the location data in our atomic schema to be in sync with the map metadata in NAVTEQ schema. This is achieved through a new table FSI LOCATION MAP COORD, the load process of which is described as follows.

Populate FSI\_LOCATION\_MAP\_COORD based on DIM\_LOCATION data itself, but description and codes should come from tables OBIEE\_COUNTRY, OBIEE\_STATE, OBIEE\_CITY (from the DB schema configured for Maps, 'OBIEE\_NAVTEQ', for example in this case) respectively for Country, State and City, and n\_location\_skey should be the corresponding n\_location\_skey from DIM LOCATION.

N_LOCATION_SKEY	1
V_LOCATION_CODE	HAW
V_COUNTRY_CODE	USA
V_COUNTRY_DESC	United States
V_STATE_CODE	н
V_STATE_DESC	Hawaii

For Instance, let us consider the following data from DIM\_LOCATION.

**Oracle Financial Services Software** 

V_CITY_CODE	CITI1
V_CITY_DESC	Honolulu
V_ZIP_CODE	96813

Now, to populate the following columns in FSI\_LOCATION\_MAP\_COORD:

n_location_skey =	1	
v_country_code = OBIEE_COUNTRY.ISO_COUNTRY_CODE	USA	
v_country_code_map = OBIEE_COUNTRY.ISO_COUNTRY_CODE	USA	
v_country_desc = OBIEE_COUNTRY.NAME	United States	
v_state_code = OBIEE_STATE.ISO_CTRY_CD_STATE_ABBRV	USA_HI	
v_state_code_map = OBIEE_STATE.ISO_CTRY_CD_STATE_ABBRV	USA_HI	
v_state_desc = OBIEE_STATE.STATE_NAME	HAWAII	
v_city_code = OBIEE_CITY.CTRY_CD3_STATE_ABBRV_CITY	USA_HI_Honolulu	
v_city_code_map = OBIEE_CITY.CTRY_CD3_STATE_ABBRV_CITY	USA_HI_Honolulu	
v_city_desc = OBIEE_CITY.CITY_NAME	HONOLULU	
v_zip_code =	96813	

## HTML5 Compliance of OBIEE Reports in IE11

Perform the following steps in order to verify the HTML5 compliance of OBIEE reports in IE11:

- 1. Remove the compatibility settings for analytics.
- 2. Change the instanceconfig.xml file to make all the chart views to be shown in HTML5 by default.

You can find the instanceconfig.xml file in the following location:

```
OBIEE_HOME/instances/instance1/config/OracleBIPresentationServic
esComponent/coreapplication_obips1
```

<Charts>

<DefaultWebImageType>html5</DefaultWebImageType>

</Charts>

- 3. Enable Mapviewer and D3 reports (to ensure that these reports show up as is).
- 4. Verify all the BI reports by removing the default chart view setting (to ensure that these reports show up as usual irrespective of HTML5 or flash web Image formats).

## Details on OBIEE11.1.9.5

In a browser that does not support the html5 format, the image renders in the flash format instead (which is also interactive).

## **Appendix F: Frequently Asked Questions**

#### What checks does the 8.0.3.0.0 Release patch perform?

- Environment Check- As part of environment check, it performs Java validation, Environment Variables validation, OS specific validation, DB specific validation, and it shuts down all OFSAAI Services (Infrastructure Server, ICC Server, and back-end services).
- Post Install check- As part of Post install check, it checks if OFSAAI services can be successfully started.

### Which version of ERwin Data Modeler does OFSAAI support?

OFSAAI now supports ERwin version 9.2 and 9.5 generated xmls in addition to ERwin 4.1, ERwin 7.1, ERwin 7.3 and ERwin 9.0 formats.

### What should I do for viewing the log files in Debug level for troubleshooting?

By default, the log level is set as INFO. You need to manually change it to Debug to view the log files in debug level. Based on your requirement, you can change the log level to Warn, Error, or Fatal as well.

- 1. Navigate to *\$FIC\_HOME/conf* in the APP layer of your OFSAAI installation.
  - Change the priority value to Debug in the RevLog4jConfig.xml file.

For example:

<root>

<priority value ="debug" />

<appender-ref ref="ConsoleAppender1"/>

</root>

- Change the value of LOGGERLEVEL in the DynamicServices.xml file from 20 to
   0. (20 is the value for Info and 0 for Debug.)
- **NOTE:** For multi-tier installation, you need to change the log level to Debug in the DynamicServices.xml and RevLog4jConfig.xml files, which are present in *\$FIC\_APP\_HOME/conf*, *\$FIC\_DB\_HOME/conf*, and *\$FIC\_WEB\_HOME/conf* as well.
- Navigate to \$FIC\_WEB\_HOME/webroot/conf and change the priority value to Debug in the ExportLog4jConfig.xml, MDBLogger.xml, and PR2Logger.xml files for viewing log files in Debug level for the modules Archive/Restore, Metadata Browser and RRF respectively.
- 3. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying

EAR / WAR file, see the Post Installation Configuration section in <u>Oracle Financial</u> <u>Services Profitability Management Application Pack Installation Guide Release</u> <u>8.0.0.0.0</u>.

4. Restart the OFSAAI Services (APP and WEB). For more information, see the **Start/ Stop Infrastructure Services** section in <u>Oracle Financial Services Profitability</u> <u>Management Application Pack Installation Guide Release 8.0.0.0.0</u>.

# What should I do if "What if" screen is not displayed completely after clicking Create Scenario button?

1. <InIFrameRenderingMode>allow</InIFrameRenderingMode>

entry needs to be added in <Security></Security> tags in following file:

<MIDDLEWARE\_HOME>/instances/instance1/config/OracleBIPresentatio
nServicesComponent/coreapplication\_obips1/instanceconfig.xml

2. <context-param>

<param-name>oracle.adf.view.rich.security.FRAME\_BUSTING</paramname>

<param-value>never</param-value>

</context-param>

entries need to be added between <servlet-mapping ></servlet-mapping>
and <login-config></login-config> tags in following file:

<MIDDLEWARE HOME>/oracleBI1/bifoundation/web/app/WEB-INF/web.xml

#### What should I do If Account Profile Report is displaying error?

To work some reports in OBIEE (11.1.1.9.5), set EVALUATE\_SUPPORT\_LEVEL to '2' inside NQSConfig.INI file.

Path of NQSConfig.INI file is mentioned below:

/scratch/obiee11g/obiee11g\_new/instances/instance1/config/OracleBIServe
rComponent/coreapplication obis1

Oracle Financial Services Profitability Management 8.0.3.0.0 Installation and Configuration Guide

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