### Oracle Financial Services Profitability Applications Pack Installation Guide

Release 8.0.4.0.0

May 2022





OFS Profitability Applications Pack Installation Guide

Copyright © 2022 Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be errorfree. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

For information on third party licenses, see the OFSAA Licensing Information User Manual.

### **Document Control**

Version Number	Revision Date	Change Log
1.0	January 2017	Captured 8.0.4.0.0 Release installation procedure and configuration details.
1.1	April 2017	Updated Post Installation Configuration
1.2	October 2017	Updated the log file related information
1.3	November 2018	Updated the mandatory consolidated patch details
1.4	May 2022	Included the steps to update the Atomic Schema Data Source in Web Logic

### **Table of Contents**

1       Preface         1.1       Audience         1.2       Prerequisites for the Audience         1.3       Recommended Environment         1.4       Related Documents         1.5       Conventions         1.6       Abbreviations         2       OFS Profitability Application Pack Minor Release 8.0.4.0.0         2.1       Prerequisites         2.2       Applying this Minor Release         3       Post Installation Configuration         3.1       Configure excludeURLList.cfg file         3.2       Changes in .profile file for Solaris Operating System         3.3       Updating Atomic Schema Data Source in Web Logic         4       Appendix A: Installation of R and Oracle R Enterprise (ORE)         4.1       Configuration for Oracle R Enterprise.         5       Appendix B: FTP Web Service Configuration         5.1       Architecture.         5.2       Prerequisites.         5.3       Log4j Configuration         5.4       Setup Environment variable - ofsaaws.properties.         5.5       Creating FTPWebServiceAXIS.war.         5.5.1       Deploying FTPWebServiceAXIS.war.         6       Appendix C - Deploying Profitability Pack Dashboards and Analytics         <		6
1.1	Audience	6
1.2	Prerequisites for the Audience	6
1.3	Recommended Environment	6
1.4	Related Documents	6
1.5	Conventions	7
1.6	Abbreviations	7
2 01	S Profitability Application Pack Minor Release 8.0.4.0.0	8
2.1	Prerequisites	8
2.2	Applying this Minor Release	9
3 Po	ost Installation Configuration	13
3.1	Configure excludeURLList.cfg file	13
3.2	Changes in .profile file for Solaris Operating System	13
3.3	Updating Atomic Schema Data Source in Web Logic	13
4 Ap	opendix A: Installation of R and Oracle R Enterprise (ORE)	15
4.1	Configuration for Oracle R Enterprise	15
5 Ap	opendix B: FTP Web Service Configuration	16
5.1	Architecture	16
5.2	Prerequisites	16
5.3	Log4j Configuration	17
5.4	Setup Environment variable - ofsaaws.properties	17
5.5	Creating FTPWebServiceAXIS.war	17
5.5	.1 Deploying FTPWebServiceAXIS.war	17
5.5 <b>6 A</b> p	Deploying FTPWebServiceAXIS.war	
5.5 <b>6 Ar</b> 6.1	Deploying FTPWebServiceAXIS.war Opendix C - Deploying Profitability Pack Dashboards and Analytics Installing OBIEE Server	
5.5 <b>6 Ap</b> 6.1 6.2	Deploying FTPWebServiceAXIS.war Opendix C - Deploying Profitability Pack Dashboards and Analytics Installing OBIEE Server Installing OBIEE Windows Administration Client	
5.5 6 Ap 6.1 6.2 6.3	Deploying FTPWebServiceAXIS.war Opendix C - Deploying Profitability Pack Dashboards and Analytics Installing OBIEE Server Installing OBIEE Windows Administration Client Deploying Profitability Pack Report Analytics	

6.4	4	Deploying EFPA/IPA/RPA Application Report Analytics	28
7	Арр	endix D - Steps for Deploying D3 to Entitlement Server	35
8	Арр	endix E – Mapview Configurations	40
8.	1	Prerequisites	40
8.2	2	Creating the Mapviewer NAVTEQ Data source	40
8.3	3	Downloading the Mapviewer NAVTEQ Database Dump	40
8.4	4	Creating NAVTEQ User	41
	8.4.1	Creating the NAVTEQ Schema	41
	8.4.2	Inserting Extra Spatial Metadata	41
8.5	5	Configuration Edits and Server Starting	42
	8.5.1	MapViewerConfig.xml Edits (Optional)	42
	8.5.2	<security_config> (Optional)</security_config>	42
	8.5.3	Predefined Data Sources	42
8.0	6	Loading FSI_LOCATION_MAP_COORD for viewing NAVTEQ Maps	44
8.	7	HTML5 Compliance of OBIEE Reports in IE11	45
	8.7.1	Details on OBIEE11.1.9.5	45

### 1 Preface

This document provides step-by-step instructions to install the OFS Profitability Application Pack 8.0.4.0.0 Minor Release.

This chapter discusses the following topics:

- <u>Audience</u>
- Prerequisites for the Audience
- <u>Recommended Environment</u>
- Related Documents
- <u>Conventions</u>
- <u>Abbreviations</u>

### 1.1 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.

### **1.2** 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

### **1.3 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.

### **1.4 Related Documents**

For more information, refer the Oracle Financial Services Profitability Application Pack 8.0.4.0.0 documents available in <u>OTN Documentation Library</u>.

### 1.5 Conventions

The following text conventions are used in this document.

#### Table 1: Document Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, file names, text that appears on the screen, or text that you enter.
<u>Hyperlink</u>	Hyperlink type indicates the links to external websites and internal document links.

### 1.6 Abbreviations

The following table lists the abbreviations used in this document:

#### Table 2: Abbreviations

Abbreviation	Meaning
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

### **OFS Profitability Application Pack Minor Release 8.0.4.0.0**

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 v8.0.0.0.0 release.

This chapter covers the following topics:

- Prerequisites
- Applying this Minor Release

### 2.1 Prerequisites

The following prerequisites are required before you install the OFS Profitability Management Application Pack v8.0.0.0 minor release:

• You should have OFS Profitability Management Application Pack version 8.0.0.0.0 as the minimum patch set level. OFS PFT Application pack v8.0.4.0.0 installer download contains only the ERwin XML file that is required for uploading the model. This file is sufficient to install the v8.0.4.0.0 Application pack. However, this XML file cannot be opened in the ERwin Data modeler tool and hence cannot be used for any data model customization. ERwin file is delivered as a patch and need to be downloaded separately. This ERwin file should be used for any customization of the data model.

To download the Data Model Erwin file, Login to <u>https://support.oracle.com/</u> and search for **25561603** under the Patches & Updates tab.

If customization to the data model has been done in environment being upgraded, then before uploading the same, customizations need to be applied again in merged data model.

- To install this release on Oracle Solaris OS, refer to the following list for version specific information:
  - Solaris 11: Upgrade to Oracle Solaris 11.3 with SRU09 or higher. See <u>https://docs.oracle.com/cd/E60778\_01/html/E60743/gouaw.html#scrolltoc</u> to upgrade to SRU09 if you have a lower SRU version. Additionally, install the required runtime libraries. For more information, see <u>Installing Only the Runtime Libraries on Oracle Solaris 11</u>.
  - Solaris 10: Install the required OS patches. For more information, see <u>Instaling the Required</u> <u>Oracle Solaris 10 Patches</u>. Additionally, install the required runtime libraries. For more information, see <u>Installing Only the Runtime Libraries on Oracle Solaris 10</u>.

#### NOTE:

In an OFSAA instance where multiple OFSAA application packs have been installed/ deployed, it is mandatory to upgrade all OFSAA application packs to 8.0.4.0.0 release. You should start the upgrade of OFS AAAI<<your pack name>>pack, only after confirming that all of the application packs in your OFSAA instance are available for upgrade to 8.0.4.0.0 version. For information on availability of the required OFSAA Application Packs, see <u>2246606.1</u>.

• 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.

#### NOTE:

You can refer to <u>Technology Matrix</u>, for Hardware and Software Requirements. OFS Profitability Application Pack 8.0.4.0.0 release qualifies on Java 7 and Java 8.

- **Bug 23251358: Object Registration is failing with duplicate Constraint Names** is regularized in this OFS AAAI application pack 8.0.4.0.0. This is bundled as a utility Update Constraints Utility, and is executed as part of the 8.0.4.0.0 patch installation. You must perform the steps listed below and apply the change before you proceed further with the patch upgrade.
- Backup the atomic schema for each Information Domain in the OFSAA instance before applying the patch.
- 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 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.
- Verify whether additional grant 'CREATE TYPE' exists in the atomic schema. If it doesn't exist, provide grant to the atomic schema using database user credentials with DBA privileges as shown below:

GRANT CREATE TYPE TO [<ATOMIC SCHEMA>];

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

#### NOTE:

Ensure that you backup the FSI\_CURRENCIES table before the installation and restore after installation is complete.

### 2.2 Applying this Minor Release

Ensure that ACL feature is not set during the installation.

To download, extract, install, and configure this minor release, follow these steps:

- 1. Login to <u>https://support.oracle.com/</u> and search for **25458149** under the Patches & Updates tab.
- **2.** Download the OFS Profitability Application Pack v8.0.4.0.0 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 Oracle Financial Services Advanced Analytical 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. It is usually \$HOME path or directory in which you have copied the 8.0.4.0.0 installer.

Uncompress the unzip installer file using the command:

```
uncompress unzip <os>.Z
```

#### NOTE:

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

7. Give EXECUTE permission to the file using the command:

chmod 751 OFS PFT 8.0.4.0.0 <OperatingSystem>.zip

8. Extract the contents of the 8.0.4.0.0 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\_8.0.4.0.0\_<OperatingSystem>.zip.

- 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.** The Datamodel xml released with 8.0.4.0.0 IR has change of sequence in the primary key of FCT COMMON ACCOUNT SUMMARY. Uploading of this model leads to dropping of Foreign Keys and FKs are not reinstated.

Hence, you must copy OFS PFT Datamodel.xml which is available in the patch 25561603 GENERIC. zip to installer kit for 8.0.4.0.0 installation. This xml is available in the /OFS PFT PACH/OFS PFT/DataModel folder in the installer kit.

Also, execute the Model Prescripts 804.sql that is available in 25561603 GENERIC.zip file before installing the Profitability Pack 8.0.4.0.0.

- **11.** Give EXECUTE permission to the minor release archive file. Navigate to the path OFS\_PFT\_8.0.4.0.0\_<OperatingSystem>.zip and execute the command: chmod 755 OFSAAIUpdate.sh
- **12.** Execute OFSAAIUpdate.sh file using the following command.

```
./OFSAAIUpdate.sh
```

Verify if the release is applied successfully by checking the log file generated in the installation folder in the path <PATCH\_EXTRACTED

FOLDER>/OFS\_PFT\_PACK/logs/OFS\_PFT\_installation.log. You can ignore ORA-00001, ORA-00955, ORA-02260, ORA-01430, and ORA-01031 errors in the log file. In case of any other errors, contact Oracle Support.

- **13.** See the OFSAAIUpdate.log located at <PATCH\_EXTRACTED FOLDER>/OFS\_PFT\_PACK/logs/ for Infrastructure installation log.
- **14.** 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 and troubleshoot the failed Infodoms. Once you have completed the troubleshooting, execute the standalone utility for the failed Infodoms. For more information on executing the update constraints utility, see the Update Constraints Utility section in <u>Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide</u>.

#### 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.

- 15. Secure your OFSAA Infrastructure. For more information, refer to the Security Guide in OTN Library.
- 16. Ignore ORA Error: ORA-00001 with table DIM\_FINANCIAL\_ELEMENTS\_TL in OFS\_PFT\_patch\_installation.log. See the BUG 25693167 - DIM\_FINANCIAL\_ELEMENTS\_TL ERRORS IN 804 PATCH INSTALLATION LOG - SOLARIS SETUP.
- **17.** Install the following mandatory one-off patches for the applications mentioned:
  - PFT application: 28226529
  - FTP application: **28090979**

See the Readme files available with the patches for further the installation instructions.

**18.** 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>
```

- **19.** Add umask 0027 in the .profile of the UNIX account which manages the WEB server to ensure restricted access permissions.
- **20.** Perform the necessary additional configuration (as applicable) as mentioned in the following sections:
  - Appendix A
  - Appendix B
  - Appendix C
  - Appendix D.
- 21. 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 Services Profitability Management Application</u> <u>Pack Installation Guide Release 8.0.0.0.0</u>.
- 22. After the successful installation of the release, restart all the OFSAAI services. For more information, See the Start/ Stop Infrastructure Services section in Oracle Financial Services Profitability Management Application Pack Installation Guide Release 8.0.0.0.0.
- 23. Install the 8.0.4.0.1 one-off patch (Bug: 25827044). This is mandatory for AIX 7.1.
- 24. Install the following consolidated patches:
  - a. Bug 28090979: FTP merged one-off patch 8.0.4.0.16)
  - b. Bug 28519976: Cannot import multiple rows into irc historical rates screen
  - c. Bug 29446929: JQUERY upgrade to 3.3.1 for FTP 804 (FTP patch 8.0.4.0.21)
  - d. Bug 29675926: 804 FTP consolidated engine on-off (8.0.4.0.22)

Check for any recent fixes for the respective applications and apply them accordingly.

### **3** Post Installation Configuration

The post-installation section covers the following topics:

- <u>Configure excludeURLList.cfg file</u>
- <u>Changes in .profile file for Solaris Operating System</u>
- Updating Atomic Schema Data Source in Web Logic

### 3.1 Configure excludeURLList.cfg file

To configure the excludeURLList.cfg file, follow these steps:

- 1. Locate the webserver deployed area 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.

### 3.2 Changes in .profile file for Solaris Operating System

For Solaris operating system, do the following changes in .profile file present in user's home directory.

1. Add the Oracle Developer Studio 12.5 installed path in the beginning of LD\_LIBRARY\_PATH variable in .profile file.

For example:

```
For Solaris sparc:
LD_LIBRARY_PATH=/opt/SunProd/studio12u5/developerstudio12.5/lib/compilers/
CC-gcc/lib/sparcv9
```

```
For Solaris X86:
LD_LIBRARY_PATH=/opt/SunProd/studio12u5/developerstudio12.5/lib/compilers/
CC-gcc/lib/amd64
```

2. Append the path <code>\$FIC\_DB\_HOME/lib/libC++11/ to LD\_LIBRARY\_PATH</code> variable in .profile file.

For example:

LD\_LIBRARY\_PATH=\$LD\_LIBRARY\_PATH:\$FIC\_DB\_HOME/lib/libC++11

### **3.3 Updating Atomic Schema Data Source in Web Logic**

To Disable the Wrap Data Types for the Atomic schema data source in Weblogic 12.2, execute the following steps:

- 1. In the Change Center of the Administration Console, click Lock & Edit.
- 2. In the Domain Structure tree, expand Services, then select Data Sources.
- 3. On the Summary of Data Sources page, click the data source name.

- 4. Select the Configuration: Connection Pool tab.
- **5.** Scroll down and click Advanced to show the advanced connection pool options.
- 6. In Wrap Data Types, de-select the checkbox to disable wrapping.
- 7. Click Save.
- **8.** To activate these changes, in the Change Center of the Administration Console, click Activate Changes.
- 9. Redeploy the Data Source and restart all the services.

### 4 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 <a href="https://docs.oracle.com/cd/E57012\_01/doc.141/e57007.pdf">https://docs.oracle.com/cd/E57012\_01/doc.141/e57007.pdf</a>.
- ORE version supported Oracle R Enterprise (Server) version 1.5

### 4.1 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>;

## 5 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 the same as the FTP Adjustment Rule Breakage Charge calculation. This FTP Economic Loss WebService is now independent of EXEWebService. Note, other FTP web services are installed automatically and require no further setup.

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.

This chapter covers the following topics:

- <u>Architecture</u>
- Prerequisites
- Log4j configuration
- <u>Setup Environment variable ofsaaws.properties</u>

### 5.1 Architecture



### 5.2 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.

### 5.3 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.

### 5.4 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

### 5.5 Creating FTPWebServiceAXIS.war

To create the FTPWebServiceAXIS.war file, follow these steps:

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

For example: \$FIC HOME/FTPWebService

2. Run the ant.sh in this folder.

The FTPWebServiceAXIS.war file will be created in the same folder.

### 5.5.1 Deploying FTPWebServiceAXIS.war

#### • For Tomcat:

- a. Copy the FTPWebServiceAXIS.war file to the webapps folder of the Apache Tomcat directory.
- **b.** Go to the conf folder of Apache Tomcat and add a separate context entry in the 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" url="jdbc:oracle:thin:@db-ip:dp-port:dbname"
maxActive="100"
maxWait="10000"
removeAbandoned="true"
removeAbandonedTimeout="60"
logAbandoned="true"/>
</Context>

**c.** Restart the server.

#### • For Weblogic and WebSphere:

- **d.** Deploy the FTPWebServiceAXIS.war file from the admin console.
- e. Create a data source for database connection with JNDI name as jdbc/FTPWS. Service Signature is present at the following URL: http://<ip>:<port>/FTPWebServiceAXIS/

### 6 Appendix C - Deploying Profitability Pack Dashboards and Analytics

This chapter covers the following topics:

- Installing OBIEE Server
- Installing OBIEE Windows Administration Client
- Deploying Profitability Pack Report Analytics
- Deploying EFPA/IPA/RPA Application Report Analytics

### 6.1 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 (11.1.1.9.0). 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:

After the OBIEE server is installed, it should be upgraded to the version as mentioned in the Environment section. For 8.0.4.0.0, you need to patch upgrade to 11.1.1.9.5 release of OBIEE.

### 6.2 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.X).

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 coreapplicaiton.

#### Figure 1: OBIEE Windows Administration Screen to Disable the Cache

Charles Enterprise Ma	HINGER IT B LANNIN MINORMALE COLIDO	Setup + Hep + Log of
: Farm 🗸		
Farm_bifoundation_domain	Coreapplication () O Business Intelligence Instance *	Logged in as <b>weblogic</b> Page Refreshed Feb 2, 2017 12:49:17 PM 157 <b>(</b> )
<ul> <li>Apploxitol Capepinents</li> <li>&gt; Webcycoments</li> <li>&gt; Webcycoments</li> <li>&gt; Bunness Intelligence</li> <li>○ conceptication</li> <li>&gt; Eabase Servers</li> <li>&gt; Metadata Repositories</li> </ul>	Change Center: DLock and Edit Configuration Overview Availability Capacity Hanagement Diagnostics Security Deployment Metrics Scalability Performance Performance Options	Apply
	Use this page to fund the performance of the BI Instance.  Final Dia Server Cache  Final Dia Server Final Dia Server Server  Final Dia Server Cache  Final Dia Server Cache  Final Dia Server Final Dia Server Server Server  Final Dia Server Final Dia Server Server  Final Dia Server Final Dia Server Server  Final Dia Server Final Dia Server Server Server  Final Dia Server Final Dia Server	User Session Explay           Reducing the user session respir) time will increase performance as resources associated with the session can be released to service new requests. The domain's that users will be required to log in more frequently and can lose transient session state.           Explay Time         200 (b)         Winutes w           Maximum Rumber of Rows Toccessed when Rendering a Table View         This 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 (b)           Heximum Rumber of Rows To Domained         Use this too to specify the maximum number of rows in a view that can be downloaded (to thril, nitril, pdf, excel, etc.) The default value is 5500. Reducing the maximum number of rows in a view that can be downloaded (to thril, nitrili, pdf, excel, etc.) The default value is 5500. Reducing the maximum number of rows in a view that can be downloaded (to thril, nitrili, pdf, excel, etc.) The default value is 5500. Reducing the maximum number of rows in a view that can be downloaded (to thril, nitrili, pdf, excel, etc.) The default value is 5500. Reducing the maximum number of rows in a view that can be downloaded (to thril, nitrili, pdf, excel, etc.) The default value is 5500. Reducing the maximum number of rows in a view that can be downloaded (to thril, nitrili, pdf, excel, etc.) The default value is 5500. Reducing the maximum number of rows in a view that can be downloaded (to thril, nitrili, pdf, excel, etc.) The default value is 5500. Reducing the maximum number of rows in a view that can be downloaded (to thrili, nitrili, pdf, excel, etc.) The default value is 5500. Reducing of rows in a view that can be downloaded (to th
		Maximum Number of Rows Per Page to Include           Use this too 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 [1]

- 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.

### 6.3 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 9.5 is packaged within different folders in the installer.

- 3. To change the default password for the repository, follow these steps:
  - **a.** Open the repository using OBIEE Windows administration client.

Figure 2: OBIEE Windows Administration Client to Open Repository

Open				×
Look in:	DBIEE		💽 🌀 🤌 📴	•
Recent Places	Name A	CK.rpd	✓ Date modified 2/8/2017 2:16 F	▼         Type           PM         RPD File
Desktop				- 1
Libraries				
Computer				
Network				
	•	[		
	File name: Files of type:	OFS_PFT_PACK.pd	<u> </u>	Cancel
	2000	1		

Figure 3: OBIEE Windows Administration Client to Select Repository from Windows Machine

Oracle BI Administration Tool			
File Tools Help			
📗 D 🛎 🛎 🛎 🔒 🖯 📥 淋 🖻 🛍 🖂 1	****		
1	· · · · · · · · · · · · · · · · · · ·		
🖸 Open			
Look in:	퉬 Ragav	🔹 🥝 🤌 📂 🛄 🗸	
	Name 🔺	▼ Date modified ▼ Type	
Recent Places	OFS_PFT_PACK.rpd	2/8/2017 2:16 PM RPD File	
Desktop			
Libraries			
Computer			
Network			
	·		
	File name:	Open	
	Files of type: Repository Files (*.rpd)	Cancel	
For Help, press F1			NUM //

**b.** Enter default repository password as Admin123.

Figure 4: OBIEE windows Administration Client to enter Repository Default Password



c. Click File menu, select Change Password.

Figure 5: OBIEE Windows Administration Client to Change the Password of Repository

Oracle BI Administration Tool - OF	S_PFT_PAC	K.rpd		
<u>File E</u> dit <u>V</u> iew <u>M</u> anage <u>T</u> ools	Diagram	Window	Help	
New Repository	Ctrl+N		1 & (7) @ @ @ & & & & & & & & & & & & & & & &	
Open	•			
Multiuser			Business Model and Mapping	Physical
Source Control	,	<b>∸</b>	Balance Sheet Planing     Enancial Reporting	Given Str_Essbase
Close	Ctrlas		Institutional Performance	🗄 🔂 Customer Insight Essbase
Save As	€ui+5 ►		Management Reporting	III III EFPA
Copy As	+		E-10 Retail Performance	H-Wa EFPA_Essbase
Change Password				
Print Preview				
Print				
Import Metadata				
Compare				
Turn off Compare Mode				
Merge				
Check Global Consistency	Ctrl+K			
Check Models	P			
Check Out All				
Check In Changes				
Undo All Changes				
1 OFS_PFT_PACK.rpd				
2 C:\Users\\OFS_PFT_PACK.rpd				
4 Cillisers \\OFS_PFT_PACK.rpd				
Exit		1 1		
Prospect				
E E Segment				
Herchant Category				
Activity Type				
Opportunity		-		
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.



- **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)(SERVICE_NAME=<Da
tabase Name>)))
```

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

Figure 6: OBIEE Windows Administration Client to modify Connection Pool variables



- **g.** Double-click 'Customer Insight Connection Pool (Init Block)' to open the Connection Pool window.
- **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)(SERVICE_NAME=<Da
tabase 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.

Oracle BI Administration Tool - OFS_PFT_PAC	K.rpd		
<u>File E</u> dit <u>V</u> iew <u>M</u> anage <u>T</u> ools <u>D</u> iagram	Window	Help	
New Repository Ctrl+N		1 & (*) @ @ @ \$. <b>G G G H</b>	
Open 🔸	<u> </u>		
Multiuser		Business Model and Mapping	Physical
Source Control	-	Balance Sheet Planing	E Custemer Insidet Database
Close		Institutional Performance	Customer Insight Connection Pool
Save Ctri+S		Management Reporting	Customer Insight Connection Pool (Init Block)
Conv As		Retail Performance	E - A Customer Insight
Change Password			ACSUMINT CCYRATEVW
			E DontrolAccoount
Print Preview			E E CTRLACC
Print			E-60 CTRLACC(ABCELP)
Import Metadata			God CTRLACC(Account)
Compare			God CTRLACC(ACELP)
Tum off Compare Mode			GOD CTRLACC(ACLP)
Merge			
Check Global Consistency Ctrl+K			E 60 CTRLACC(BCE)
Check Models			God CTRLACC(BCLP)
Check Out All			E-60 CTRLACC(BCP)
Check In Changes			
Undo All Changes			E 60 CTRLACC(CLP)
1 OFS_PFT_PACK.rpd			CTRLACC(Customer Intermediary)
2 C:\Users\\OFS_PFT_PACK.rpd			God CTRLACC(Customer)      E. Sod CTRLACC(Geography)
3 C:\Users\\OFS_PFT_PACK.rpd			dod CTRLACC(LOB Referral)
4 C:\Users\\OFS_PFT_PACK.rpd			E 60 CTRLACC(LOB)
Fxit			GOD CTRLACC(LP)
Account Position Fact			God CTRLACC(Management)      H-6d CTRLACC(Momt Branch Manager)
E-   Retail Performance			6x3 CTRLACC(Org_Structure)
Generic Dimensions			CTRLACC(Product)
E Ime			CURRENCY MASTER
Line of Business	-		DIM_ACCOUNT
	•		
Save the active repository			NUM

8. Click Yes on the pop-up message "Do you want to check global consistency?".

Figure 7: OBIEE Windows Administration Client to check Global Consistency

Reverse Markets Tell Control Modellis State     Reverse Markets Tell Control Modellis     Reverse Markets	Oracle BI Administration Tool - GRC.rpd	Print M. No. 11 Southers Long Mt. as do 1 requiring them. No. and Pro-	- 9 8
Image: Distribution       Image: Distribution<	Eile Edit View Manage Tools Diagram Window Help		
Interaction       Interaction       Interaction         0       Difference Mix Antelli       Interaction	□ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	36	
Pitternetories         Numera (Magning)         Pitternet           III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight           III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight           III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight           III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight           III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight           III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight           III Magnings Mik Auflight         III Magnings Mik Auflight         III Magnings Mik Auflight         IIII Magnings Mik Auflight           III Magnings Mik Auflight         III Magnings Mik Auflight         IIII Magnings Mik Auflight         IIII Magnings Mik Auflight           III Magnings Mik Auflight         IIII Magnings Mik Auflight         IIIII Magnings Mik Auflight         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			
<ul> <li>Bit Marines Rk Aperilie</li> <li>Bit Marines Rk Aperilie&lt;</li></ul>	Presentation	Business Model and Mapping P	nysical
	Image: Section of the Action of the		C DECENTION 4000RES -PHOTOCOL - TCP9H03T - 15 14 231 248/00RT - 1521800     DAA     Or A     Second Se

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



#### Figure 8: OBIEE Windows Administration Client with global consistency checking message

Oracle BI Administrat	tion Tool - OFS_F	PFT_PACK.rpd		-				_		23
Eile Edit View Manage Iools Diagram Window Help										
									₹ Ch St	
Presentation Business Model and Mapping Physical										
P III Une of Bus Consistency Check Manager										
Reporting I     Branch	Display:									
Geography	Errors (	(0) 🔽 War	rnings (33)							65
E Currency	Messages:									
€ E Scenario	Message	Object Type	Object	Error No.			Error Descripti	on		<b>_</b>
Product Fa	Warning	Presentation Level	Region	39092	Presentation level "Re	tail Performanc	e""Branch"."Br	anch Hierarchy"."	Region" is first un	der 📃
- Custom	Warning	Presentation Level	Year	39092	Presentation level "Re	tail Performanc	e" "Time". "Time	Hierarchy". "Year	is first under	
E Ustomer T	Warning	Presentation Level	Leve20	39092	Presentation lievel "Re under presentation hie	tail Performance tail Performance	e""Product"."Pr ce""Product"."Pr cal level it is ass	o with is not gran oduct Hierarchy" ociated with is no	d total level. "Leve20" is first ot grand total leve	4.
E Customer V	Warning	Presentation Level	Month	39092	Presentation level "Inc is first under presenta- level.	ome Statemen tion hierarchy,	t" "Reporting Pe but logical level i	riod". "Time_Hiera t is associated wi	archy_Month"."Mo th is not grand to	onth" tal
Customer F	Warning	Presentation Level	Year	39092	Presentation level "Inc Year_Month". "Year" is is not grand total level	ome Statemen first under pre	t""Reporting Pe sentation hierard	riod". "Time Hiera thy, but logical le	rchy vel it is associated	l with
	Warning	Presentation Level	Month	39092	Presentation level "Fin first under presentatio level.	ancial Ratios" n hierarchy, bu	."Reporting Perio ut logical level it i	d". "Time_Hierard s associated with	hy_Month". "Month is not grand total	h"is
Attrition Re     Mgration F	Warning	Presentation Level	Month	39092	Presentation level "Fin is first under presentat	ancial Reportin tion hierarchy,	ig""Reporting P but logical level i	eriod". "Time Hiera t is associated wi	archy Month". "Mo th is not grand to	nth" tal →
Referral Lin	Show Qualifie	d Name Objects	Stats	Save As	Check All Objects	Edit	Go To	Сору	Close	Help
🚳 Others 👔	A Global Consister	ncy Check was perfor	med. 0 Error(s) (0 s	hown), 33 Wa	arning(s) (33 shown), ar	nd 0 Best Pract	ice violations(s) (	(0 shown) found.		,
Prospect							_	_	_	
Merchant Cat	egory									
E Sales Stage										
Activity Type     Opportunity										
🗈 🛄 Sales Repres	entative									
😟 🛄 Opportunity V	Vin/Loss Reason									
Organizationa     Organizationa	I Structure									
For Help, press F1		•							NUM	
	_									

### 6.3.1 List of Warning Messages

The following is the 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"."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"."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"."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] Presentation level "Balance Sheet

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

[39092] Presentation level "Balance Sheet Planing".."Currency"."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

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

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

[39092] Presentation level "Balance Sheet Planing".."curr\_attrib"."curr\_attrib"."Gen2,curr\_attrib" is first under presentation hierarchy, 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.

### 6.4 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 < Bl 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.

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.

Start	t Resume Suspend Shutdown * Restar	tSSL	
	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 OBIEE services and login.

Starting services From EM screen:

- **a.** 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.

🖃 📲 Farm_	_bifoundation_domain	
🗄 🚞 Appl	lication Deployments	
🗄 🛅 Web	bLogic Domain	
🖃 🚞 Busi	iness Intelligence	
	coreapplication	
🗄 🛅 Meta	adata Repositories	
Channel Car		1
Change Cen	Lock and Edit Configuration	
Overview	Capacity Management Diagnostics	Security Deployment
System Sh	hutdown & Startup	
վեր		
Ú		-10
	100%	✓ ■
	System Compone	ents
System Sta	atus Mana	ge System
All compo	onents are available	Start 🚺 Stop 💽 Restart

- 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).
    - o Click on hyperlink 'coreapplication' from 'Business Intelligence' tab on left hand side.
    - Under 'coreapplication', select the tab 'Deployment' and in that select sub-tab 'Repository'.

Search	All		•	Ø	Advanced	Administration	Help 🗸	Sign Out 읻
Ho	me	Catalog	Favorites 🗸	Dashboards 🗸	New 🗸	🛛 🔁 Open 🗸	Signed In A	s weblogic ~

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

(C) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	pracle.com:7001/em/faces/as/wiFarn 🄎 👻 🖉 Business Intelligence Instan 🗴	- □ ×
File Edit View Favorites To 🚖 🕨 Sugg ▾ 🗿 ALMm 📈	ols Help http 🗿 Orac 🎒 Orac 🔊 GOP 🔻 👋 🏠 🔻 🔝 👻 🖃 🖛 🕈 Page 🕶 Safety 💌	x Tools▼ @▼ <sup>≫</sup>
	anager 11g Fusion Middleware Control Setup -	Help 👻 Log Out
<ul> <li>► torm ►</li> <li>▼</li> <li>➡ Application Deployments</li> <li>▶ ➡ Application Deployments</li> <li>▶ ➡ WebLogic Domain</li> <li>♥ ■ Business Intelligence</li> <li>♥ Corcapplication</li> <li>▶ ➡ Essbase Servers</li> <li>▶ ➡ Metadata Repositories</li> </ul>	Corecapplication  Coged Subjects Business Intelligence Instance  Page Refreshed Feb 8, 2017  Change Center: Plack and Edit Configuration Overview Availability Capacity Management Diagnostics Security Deployment Presentation Repository Cheduler Marketing Mail BI Server Repository RPD Publishing Directory RPD Publishing Directory Upload BI Server Repository RPD Publishing Directory Upload BI Server Repository RPD Publishing Directory Berowse. Repository Repository Repository Repository Browse. Repository Browse. Repository Repository Browse. Br	t in as weblogic theof:11 PM IST (2) (2) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4
		€ 100% ▼

**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".

DRACL	Business In
Catalog	
User View 👱 💁	~ 🔝 🚳 🎮 🖘
E Folders	8.
E My Folders	
E Constant Shared F	olders 1
r A	
⊡ Tasks	
□ Tasks	ders
Tasks Shared Fol	ders
Tasks Shared Fol Expand RSS	ders
Tasks Shared Fol Expand RSS Celete	ders
Tasks Shared Fol Expand RSS Copy	ders
Tasks Tasks Shared Fol Expand RS Copy Copy Copy Copy Copy Com	ders

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

narchive		2
Archive file	OFS_PFT_PACK.catalog	Browse
Replace	None	~
ACL	Inherit	<b>v</b>

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



- 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.

A Tanley				
	Farm bifromdation domain a			
Farm Memoration do				
Application Deployment				
y salt op trean 9 kores indepro 9 Hetalet tepastares	is Depresents	■ag(24)		ji humo Middensen
	Jong I D National Application Control Control (Control Control Contr	00000000000000000000000000000000000000	Target Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre Autoriserre	Ner:

**b.** Click the "coreapplication" link.

**c.** Click the "Restart" button.

	Managar 11g Euripe Middleures Control
Chicker Enterprise	manager rig rusion middleware control
Farm - Topology	
	Coreapplication 🕦
E E Farm_bifoundation_domain	🐼 Business Intelligence Instance 🔻
🗄 🛅 Application Deployments	
🗄 🚞 WebLogic Domain	Change Center: PLock and Edit Configuration
🖃 🛅 Business Intelligence	
1 💿 coreapplication	Overview Availability Capacity Management Diagnostics Security Deployment
🗄 🫅 Metadata Repositories	Svetam Shutdown & Startun
	System Shutdown & Startup
	100%
	System Components
	System Status Manage System
	All components are available
	Diagnostics

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

A message is displayed as follows:

🕒 Pro	cessing
Resta	rt All - In Progress.
<b>⊘</b> 11	is operation cannot be cancelled. It will continue even if the browser window is closed.

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.** 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_NAME=<Databa
se 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:

7

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.

) 🔒 d	3 🔹 🖆 🛐 🖕 🔹 💼 🕻	2 🏠 🎜	🖀 Find Files 🗧 🔒							
1 📄 D	🛿 🔐 Download 🎲 📝 Edit 🗶 🏑 🕞 Properties 🎽 🔂 🗄 🛨 🖃 💟									
/scrate	/scratch/obieehome/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/analyticsRes/d3									
Name	e	Size	Changed	Rights	Owner					
₽.			13-07-2015 PM 02:31:54	rwxr-x	merajend					
🚽 📗 WE	EB-INF		13-07-2015 PM 02:38:56	rwxr-xr-x	merajend					
	CENSE	2 KB	07-02-2015 PM 12:28:18	rw-rr	merajend					
📓 d3.	l.min.js	148 KB	10-02-2015 AM 08:32:14	rw-rr	merajend					
📓 d3,	ijs	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.

ORACLE WebLogic Server® Administration Console						
Change Center	🟦 Home Log Out Preferences 🔤 Record Help					
View changes and restarts	Home >Summary of Deployments					
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of Deployments					
domain.	Control Monitoring					
Lock & Edit Release Configuration	This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applik To install a new application or module for deployment to targets in this domain, click the Install button.					
Domain Structure						
bifoundation_domain	© Customize this table					
Environment     Deployments						
D-Services	Deployments					
-Interoperability	Install Update Delete Start v Stop v					
⊡-Diagnostics	🖸 Name 🌣					
	adf.orade.businesseditor(1.0,11.1.1.2.0)					
	adf.oracle.domain(1.0,11.1.1.2.0)					
	df.orade.domain.webapp(1.0,11.1.1.2.0)					
How do I	E adminservice (11.1.1)					
Install an Enterprise application	□ Eanalytics (11.1.1)					
Configure an Enterprise application     Update (redeploy) an Enterprise application	□ ■ □ APS (11.1.1)					
Start and stop a deployed Enterprise	■ B asyncadminservice (11.1.1)					
Monitor the modules of an Enterprise	C Contraction Contraction					
application     Deploy EJB modules	E Ebiadminservices (11.1.1)					
Install a Web application	Diadminservlet (11.1.1)					
Curture Chatre	Install Indate Delete Start y Stop y					
Health of Punning Servers						
ricular or Kultilling Servers						
Failed (0)						

**5.** After 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 Canc	Back Net Frish Cancel						
Locate deployment to install an	nd prepare for deployment						
Select the file path that represents the	he application 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 display	yed 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 / obieehome / instances / instances / instances / bifoundation / OradeBIPresentationServicesComponent / coreapplication_obips 1 / analyticsRes						
🖲 🎥 d (open directory)							
Back Next Finish Cancel							

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

erver® A	Administration Console
	🔒 Home Log Out Preferences 🔤 Record Help
	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.

rver® A	dministration Console							
	🕜 Home Log Out Preferences 🖂 Record Help							
	Home >Summary of Deployments							
ise	Install Application Assistant							
dit the	Back Net Frish 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?							
	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.							
-	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?							
erver	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.							
	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 Net Frish Cancel							

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

WebLogic Server	Admi	inistr	ation Console	
Change Center	1	Hon	ne Log Out Preferences 🔝 Record Help	
View changes and restarts View changes and restarts Pending changes exist. They must be activated to take effect.	F Me Su C	Home : essag Th You mma Contro This p To ins	-Summary of Deployments es es es edeployment has been successfully installed. unuet also activate the pending changes to commit this, and other updates, to the active system. ry of Deployments age 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 start tail a new application or module for deployment to targets in this domain, dick the Install button.	ed, stop
Er-Charportability Customize this table Customize the table				
		Deplo	yments	
Install Update Delete Stat v Stop v				
			Name 🗞	State
How do I			adf.orade.businesseditor(1.0,11.1.1.2.0)	Active
Install an Enterprise application			aff.oracle.domain(1.0,11.1.1.2.0)	Active

**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 <sup>®</sup>	Adm	inistr	ation Console					
	6	Hor	ne Log Out Preferences 🐼 Record He	de 🔍				
	Hame - Summary of Deployments							
fy, add or	Summary of Deployments							
	Control Monitoring							
		This p	age displays a list of Java EE applications	and stand-alone application modules that have been in	stalled to this domain. Installed applications and modules can be start	ed, stopped, updated (re	deployed), or deleted fro	om the domain by first selecting the app
_		To in:	tall a new application or module for deplo	yment to targets in this domain, click the Install button.				
		Cust	omize this table					
		Deal	unite day cable					
		Берк	syments					
		Inst	all Update Delete Start ~	Stop ~		1		
			Name 🗠	Force Stop Now		State	Health	Туре
			€bisearch (11.1.1)	Stop, but continue servicing administration requests		Active	🖋 ок	Enterprise Application
						Active	🖋 ок	Enterprise Application
		E bisecurityadmin (11.1.1)				Active	🖋 ок	Enterprise Application
_						Active		Library
on			€ Calc (11.1.1)			Active	🖋 ок	Web Application
application trise		<b>V</b>	€ 👩 d3			Prepared	🖋 ок	Web Application
rise			DMS Application (11.1.1.1.0)			Active	🖋 ок	Web Application
			🗄 📑 eas (11. 1. 1)			Active	🖋 ок	Enterprise Application
			æ ⊑∎em			Active	🖋 ок	Enterprise Application
			nemai 👘			Active		Library
		Inst	all 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.

ver® A	Per <sup>®</sup> Administration Console									
	Anne Log Out Preferences      Record Help     A									
Home > Summary of Deployments										
or	Summary of Deployments									
	C	ontr	Monitoring							
	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 started, stopped, updated (redeployed), or delete To install a new application or module for deployment to targets in this domain, click the Install button.									
		Cus	omize this table							
		Deployments								
	Install Update Delete Stat v Stop v									
			Name A Servicing all requests Servicing only administration requests	State	Health					
			E Cobsearch (11.1.1)	Active	🖋 ок					
			E Cobisecurity (11.1.1)	Active	🖋 ОК					
			E Ebisecurityadmin (11.1.1)	Active	🖋 ок					
			Bothirdparty(11.1.1)	Active						
			E Calc (11.1.1)	Active	🖋 ок					
on			E ada	Prepared	🖋 ок					
			E DMS Application (11.1.1.1.0)	Active	<b>≪</b> ок					

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

Su	Summary of Deployments					
C	ontrol	Monitoring				
	This page displays a list of Java EE applications and stand-elone 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 application or module for deployment to targets in this domain, click the Install button.					
E	)eployn	nents				
	Install	Update	Delete Start v Stop v			
	🔳 Na	ime 🗠		State	Health	Туре
	•	bisearch (1	1.1.1)	Active	🖉 ОК	Enterprise Application
	•	bisecurity (	11.1.1)	Active	🖋 ОК	Enterprise Application
	•	<b>Disecuritya</b>	dmin (11.1.1)	Active	≪° ОК	Enterprise Application
	•	bithirdparty(1	1.1.1)	Active		Library
	•	Calc (11.1	1)	Active	≪ ок	Web Application
	•	<mark>@</mark> d3		Active	🖋 ОК	Web Application
	m a	PMS Applic	ation (11.1.1.1.0)	Active	a) ox	Web Application

## 8 Appendix E – Mapview Configurations

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

#### NOTE:

This is 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>
- Downloading the Mapviewer NAVTEQ Database Dump
- Creating NAVTEQ User
- <u>Configuration Edits and Server Starting</u>
- Predefined Data Sources
- Loading FSI\_LOCATION\_MAP\_COORD for viewing NAVTEQ Maps
- HTML5 Compliance of OBIEE Reports in IE11

### 8.1 **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.

### 8.2 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.

### 8.3 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) <u>http://www.oracle.com/technetwork/middleware/bi-foundation/obieesamplesarchive-</u> 2026956.html
- **2.** Download and unzip the SampleApp\_Navteq\_dmp.zip file that contains an Oracle Database export file named:

obiee\_navteq.dmp

### 8.4 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. After 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.

### 8.4.1 Creating the NAVTEQ Schema

To create NAVTEQ Schema, follow these steps:

Importing the database dmp file:

1. 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
```

2. 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.

### 8.4.2 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;
```

### 8.5 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 that either OBIS or OBIPS are running.

### 8.5.1 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.

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

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

1. 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://10.228.235.83:9704/
http://10.228.235.83:9704/mapviewer
</proxy_enabled_hosts>
```

#### 2. 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>
```

### 8.5.3 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 <!-- .. -->).

#### 8.5.3.1 Save, Restart, and 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.** After configuration.xml file is restarted, click Data Sources.

# 8.6 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 <code>FSI\_LOCATION\_MAP\_COORD</code>, 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.

Column Name	Value
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
V_CITY_CODE	CITI1
V_CITY_DESC	Honolulu
V_ZIP_CODE	96813

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

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

Column Name	Value
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

Column Name	Value
v_zip_code =	96813

### 8.7 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/OracleBIPresentationServicesComponen t/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).

#### 8.7.1 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).

### **OFSAA Support**

Raise a Service Request (SR) in <u>My Oracle Support (MOS)</u> for queries related to the OFSAA applications.

### Send Us Your Comments

Oracle welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual?

If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the My Oracle Support.

Before sending us your comments, you might like to ensure that you have the latest version of the document wherein any of your concerns have already been addressed. You can access My Oracle Support site that has all the revised or recently released documents.

