1. OBIEE Metadata Repository Deployment Guide

1.1 Introduction

The Oracle Business Intelligence Server is a stand-alone process that maintains the logical data model which it provides to BI Presentation Services via ODBC. Metadata is maintained for the data model in a local proprietary file called the repository file (rpd). On the back-end, the BI Server connects to customer data stores via data source adaptors.

1.1.1 Layers in RPD

The Physical layer defines the data sources to which Oracle BI Server submits queries and the relationships between physical databases and other data sources that are used to process multiple data source queries. The recommended way to populate the Physical layer is by importing metadata from databases and other data sources. The data sources can be of the same or different varieties. You can import schemas or portions of schemas from existing data sources. Additionally, you can create objects in the Physical layer manually.

When you import metadata, many of the properties of the data sources are configured automatically based on the information gathered during the import process. After import, you can also define other attributes of the physical data sources, such as join relationships, that might not exist in the data source metadata. There can be one or more data sources in the Physical layer, including databases, spreadsheets, and XML documents. In this example, you import and configure tables from the sample SH schema included with the Oracle 10g database.

The Business Model and Mapping layer of the Administration Tool defines the business, or logical, model of the data and specifies the mappings between the business model and the Physical layer schemas. This is where the physical schemas are simplified to form the basis for the users' view of the data. The Business Model and Mapping layer of the Administration Tool can contain one or more business model objects. A business model object contains the business model definitions and the mappings from logical to physical tables for the business model.

The main purpose of the business model is to capture how users think about their business using their own vocabulary. The business model simplifies the physical schema and maps the users' business vocabulary to physical sources. Most of the vocabulary translates into logical columns in the business model. Collections of logical columns form logical tables. Each logical column (and hence each logical table) can have one or more physical objects as sources.

There are two main categories of logical tables: fact and dimension. Logical fact tables contain the measures by which an organization gauges its business operations and performance. Logical dimension tables contain the data used to qualify the facts.

The Presentation layer is built after the Physical layer and Business Model and Mapping layer and adds a level of abstraction over the Business Model and Mapping layer. It is the view of the data seen by end users in client tools and applications, such as Oracle BI Answers. The Presentation layer provides a means to further simplify or customize the Business Model and Mapping layer for end users. For example, you can organize columns into catalogs and folders.

Simplifying the view of the data for users makes it easier to craft queries based on users' business needs because you can expose only the data that is meaningful to the users, organize the data in a way that aligns with the way users think about the data, and rename data as necessary for the set of users.



You typically create Presentation layer objects by dragging objects from the Business Model and Mapping layer. Corresponding objects are automatically created in the Presentation layer. Presentation layer objects can then be renamed and reorganized.

1.1.2 FCUBS OBIEE RPD

In FCUBS OBIEE we have module specific RPDs. They are named in the format Module Name.RPD (for example FT.RPD, SI.RPD etc.). In this document we will see how merge all module specific RPDs to FCUBS Metadata RPD. We will also see how to deploy sample dashboards generated using these RPDs.

1.2 **Prerequisites**

1.2.1 Hardware / Software Required

Server	Oracle 10G AS 10.1.3.3, OBI 10.1.3.3.1, Oracle 10g client, OBIEE 11.1.1.6.0
Client Workstations	Internet Explorer 6.0, Win2K/Windows XP

1.3 Deployment in OBIEE 10g

There are two major steps in deploying an OBIEE Dashboard, first we need to create the data object metadata (.rpd file) in the OBIEE Administration tool. Then, using the OBIEE Web, we create the Answers based on the .rpd file and assemble them in a Dashboard.

If the OBIEE server is present in Linux machine then merging of module specific repositories should be done using OBIEE Administration Tool installed on Windows machine and the merged repository should be copied from Windows to Linux machine in binary mode.

1.3.1 <u>RPD Deployment Steps:</u>

1. Open the following shipment media directory for RPD files. For the modules where modularity has been done, the RPDs will be under

<<ShipmentMedia>>\SOFT\FLEXCUBE_Kernel\<Release_Folder>\MAIN\<<Module Code>>\OBIEE

For example,

<<ShipmentMedia>>\SOFT\FLEXCUBE_Kernel\<Release_Folder>\MAIN\BC\OBIEE

For the modules where modularity has not been done, the RPDs will be under <<ShipmentMedia>>\SOFT\FLEXCUBE_Kernel\<Release_Folder>\MAIN\Other_Modules\OB IEE

- 2. Copy and paste the released .rpd files into local installation directory (D:\OBIEE\RPD). If the released .rpd files already there in the local installation directory overwrite them with the newly released files.
- 3. Open the FCUBS_Full_Schema.RPD using OBIEE Administration Tool, which will have following tree structure in it.



🗢 Oracle Bl Administration Tool - FCUBS_Full_Schema.rpd				
File Edit View Manage Tools Window Help				
D 🗳 🛎 G 🖬 X 🖻 🛍 Z N N N 🖷				
Presentation	Business Model and Mapping	Physical		
		E- II FlexCube ⊢ II Connection Pool		

4. Open each remaining module specific RPDs (Ex. FT.rpd, PC.rpd, FX.rpd Etc.), one at a time using Administration Tool and do the following. (Username/Password : Administrator/Administrator)

Copy the aliases in the Synonyms folder and paste it to Synonyms folder of 'FCUBS_Full_Schema.RPD'.

E- 🚺 KERNE	LDEV
	nnection Pool
📄 🗄 💼 PC	
📙 🔠 Буг	nonyms
÷	CSTBS_ACCROLE
÷	CSTBS_AMOUNT_TAG
	CSTBS_EVENT
÷	CSTMS_PRODUCT
÷	CSTMS_PRODUCT_ACCROLE
÷	CSTMS_PRODUCT_EVENT
	CSTMS_PRODUCT_EVENT_ACCT_ENTRY
	CSTMS_PRODUCT_EVENT_ADVICE
	CSTMS_PRODUCT_GROUP
	CYTMS_CCY_DEFN
÷	CYTMS_RATE_TYPE
÷	GLTMS_GLMASTER
÷	MITMS_COST_CODE
+	MITMS_DEFAULT_CODES
	MITMS_MIS_HEAD
	MITMS_POOL_CODE
	MITMS_PRODUCT_DEFAULT
	MSTMS_MSG_TYPE
	PC_CSTBS_ACCROLE
	PC_CSTBS_AMOUNT_TAG
	PC_CSTBS_EVENT
	PC_CSTMS_PRODUCT_ACCROLE PC_CSTMS_PRODUCT_EVENT
	PC_CSTMS_PRODUCT_EVENT_ PC_CSTMS_PRODUCT_EVENT_ACCT_ENT.
	PC_CSTMS_PRODUCT_EVENT_ACCT_ENT PC_CSTMS_PRODUCT_EVENT_ADVICE
	PC_CSTMS_PRODUCT_EVENT_ADVICE
	PC_CYTMS_CCY_DEFN
	PC_CYTMS_RATE_TYPE
	PC_GLTMS_GLMASTER
	PC_MITMS_COST_CODE
	PC MITMS DEFAULT CODES

5. Copy and paste the module specific physical folder to the destination repository under database in the physical layer.



KERNELDEV
Sconnection Pool
E S
E R PC_PCTMS_CLIENT_AGREEMENT
E REPORTING DEBTOR CATEGORY DEFN
PC_CSTMS_PRODUCT (row count was not update
E PC_STTMS_CUSTOMER

6. Copy and paste the module specific business model to the business model and mapping layer of Full schema repository.

Business Model and Mapping					
 □···· □ Pc □··· □ 2, Contract Master Dimdim □··· □ 2, Dim Bank Param, Type Values, Country(periodir □··· □ 2, Dim For Cstms Product Event Acct Entrydim □··· □ 12, Dim For Cstms Product Event Acct Entrydim 	c Inst).				
Business Model and Mapping					
⊞… 💼 CL					

7. Copy and paste the module specific presentation catalog(s) to the presentation layer of Full schema repository.



- 8. Close the repository and continue with other module repositories.
- 9. Save the Full Schema repository.
- 10. Import Initialization Blocks and Variables
- 11. From Full Schema RPD do the following
- 12. Enable the 'Import from Repository' by checking the option in Tools->Options as follows.



Options 🛛 🔀
General Sort Objects Cache Manager Multiuser More Tile when resizing Display qualified names in diagrams Display original name for alias in diagrams Show Calculation Wizard introduction page Check out objects automatically Show row count in physical view Show toolbar Show statusbar Prompt when moving logical columns Remove unused physical tables after Merge Allow import from repository
OK Cancel Help

13. Click 'OK' and the following screen is displayed:

🖸 Oracle Bl Administration Tool - Metadata1						
File	Edit	View	Manage	Tools	Window	v Help
Op Mu Ch Sa Sa	ew ben ultiuser ose ove ove As. opy As				Ctrl+N , Ctrl+S	Busi
In	port				•	from Database
Co	mpare	e				through Server
Tu	ırn off	Compa	are Mode			from Repository
Me	erge					from XMLA
Ch	neck Gl	obal C	onsistency		Ctrl+K	

14. Ignore the following alert and click 'Yes'.

Deprecated feature warning!	
The feature "Import from repository" has been deprecated and will not be supported an extract and merge instead. Are you sure you want to continue?	ny more. Please consider using projec
Yes No	

15. Select the module specific source repository from the select repository to update from window as follows:



Repository Import Wizard - Select Repository to Update from					
Select repo	sitory to update from:				
Repositor	,	Mode	Туре		
🔂 Analyti	sWeb	Online	DSN		
😥 UBS_F	ull_Schema	Offline	Oracle BI Administration		
😥 KERNE	LDEV.rpd	Offline	Repository		
😥 Metada	ata1.rpd	Offline	Repository		
😥 paint.rp	d	Offline	Repository		
PC.rpd		Offline	Repository		
😥 UBS_F	ull_Schema.rpd	Offline	Repository		
🛞 Usage	Fracking.rpd	Offline	Repository		

Note: Select Repository to update the list of repositories available in OracleBI\server\Repository only. So, temporarily keep module specific repositories in this location and remove the repositories once this step is completed.

16. Click 'Next', will show you the objects needs to be imported. Select 'Initialization Block' from the drop-down menu and click on 'Add with Children'.

Repository Import Wizard - Ob	jects to Update			
Initia	lization Blocks		•	<u>R</u> efresh
a	Current_Date	Add	🗊 Current_Date	e (with childrer
		Add with <u>C</u> hildren		
		Add with <u>Parents</u>		
ORACLE				
		<u>R</u> emove	<	
			,	
	< <u>B</u> ack	<u>N</u> ext >	Cancel	

17. Click 'Next' and click 'Finish'.



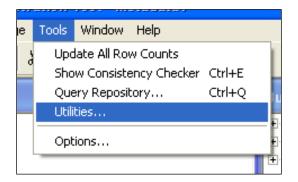
Repository Import Wizard	- Finish	
	Following objects will be updated or created:	~
	Variable "Current_Date" "CurrentDate" Initialization Block "Current_Date"	
ORACLE		
		2
	< <u><</u>	2
-	Parts Frith Court	
	< <u>B</u> ack Finish Cancel	

18. If labels need to be NLS enabled, externalize the each presentation catalog as follows.



Presentati	ion		
	New Presentation Table		
	New Presentation rable		
+=	Display Related		
+	Check Out		
	Cut	Ctrl+X	
+	Сору	Ctrl+C	
	Paste	Cirl+V	
	Delete	Del	
÷	Mark		
+	Set Icon		
+	Duplicate		
+	Duplicate with Business Model		
÷	Expand All		
	Check Consistency		
+	Business Model Diagram		
↓■	Physical Diagram		
÷	Rename		
÷	Properties		
	 Externalize Display Names 		
±	 Externalize Descriptions 		
+	Contract Parties Details		
	Contract Payment Acceptance Ex		
	Contract Payment Acceptance Fa	te	
	Contract Payment Exception		
	Contract Payment Fate		
	Contract Shipment Information		
	Contract Status Log		
	Contract Udf Drafts Details		
	Drarts Details Due Amount		
	FX Linkage Details		
	ICCF Calculation		
	ICCF Calculation Temp		
	ICCF Details		
	ICCF Details Temp		-

- 19. Save the Full Schema repository.
- 20. Remove Unused Physical Objects as follows:





Utilities	X
Replace Column or Table in Logical Table Sources Oracle BI Event Tables Externalize Strings Rename Wizard Update Physical Layer Repository Documentation Generate Metadata Dictionary <u>Remove Unused Physical Objects</u> Aggregate Persistence Wizard	Execute Cancel Help

Remove Unused Physical Objects	×
These objects are not used. Do you want to delete them?	
Lype: Physical Table	•
F Show Qualified Name	
 ✓ ▲ 01-02 ACVWS_ALL_AC_ENTRIES 2 (Balance Upd = U) ✓ 第 08-01 ACTM_IB_SETUP ✓ 第 12-01 CSTBS_CONTRACT ✓ 第 15-01 STTBS_ACCOUNT ✓ 第 99 === ORIGINAL OBJECTS SOURCE === ✓ ■ ACCESS_GRID_ENTITIES 	
	~
Selected 9964 of 9964 objects (9964 displayed)	
Yes <u>No</u> <u>H</u> elp	

- 21. Click 'Yes'
- 22. Stop the Oracle BI Server & Oracle BI Presentation server services from services window.

🆏 Oracle BI Java Host		Started	Automatic	Local System
🆏 Oracle BI Presentation Server		Started	Automatic	Local System
🆓 Oracle BI Scheduler			Manual	Local System
🍓 Oracle BI Server	Start	Started	Automatic	Local System
🏶 OracleClientCache80	Stop		Manual	Local System
🆓 OracleDBConsoleorcl	Pause	Started	Automatic	Local System
🖏 OracleJobSchedulerORCL	Resume		Disabled	Local System
🖓 Oracleoracle10gDBiSQL*Plus	Restart	Started	Automatic	Local System
🖓 Oracleoracle10gDBTNSListener .	Restart	_ Started	Automatic	Local System
🖏 Oracleoracle10gDBTNSListenerS_NQ	All Tasks 🔹 🕨	·	Automatic	Local System
CracleServiceORCL	Refresh	Started	Automatic	Local System
Performance Logs and Alerts	Rerresh	_	Manual	Network S
Plug and Play	Properties	Started	Automatic	Local System
Portable Media Serial Number Servic		-	Manual	Local System
Print Spooler	Help	Started	Automatic	Local System

23. If server is present in Linux then go to <InstallDrive>/OracleBI/setup folder and execute the following command to stop BI Server and BI Presentation Server.

./run-sa.sh stop

./run-saw.sh stop

24. Rename the repository to FlexCube.rpd and put in following location:

OracleBI\server\Repository

If Server is present in Linux machine then copy FlexCube.rpd in binary mode to:

<OracleBI InstallDir>\server\Repository



25. Open OracleBI\server\config\NQSConfig.INI and change the property as below:

Star=FlexCube.rpd, DEFAULT;

Under CACHE set ENABLE = NO

🖡 NQSConfig. INI - Notepad
File Edit Format View Help
######################################
Repository Section
 # Repositories are defined as logical repository name - file name # pairs. ODBC drivers use logical repository name defined in this # section. #
 # All repositories must reside in OracleBIserver\Repository # directory, where OracleBI is the directory in which the Oracle BI # Server software is installed. #
######################################
[REPOSITORY]
Star = FlexCube.rpd, DEFAULT;
######################################
####################################
[CACHE]
ENABLE = NO; // A comma separated list of <directory maxsize=""> pair(s) // e.g. DATA_STORAGE_PATHS = "d:\OracleBIData\nQSCache" 500 MB;</directory>

1.3.2 Web Catalog Deployment Steps

In OracleBIData\web\catalog create a folder called 'FlexCube'. Change catalog path in OracleBIData\web\config\instanceconfig.xml to point to FlexCube as follows.

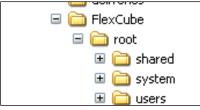
xml version="1.0" encoding="utf-8"?
<webconfig></webconfig>
<serverinstance></serverinstance>
<dsn>AnalyticsWeb</dsn>
<catalogpath>D:/OracleBIData/web/catalog/FlexCube</catalogpath>
<javahome>C:\Program Files\Java\jdk1.5.0_06</javahome>
<biforofficeurl>client/OracleBIOffice.exe</biforofficeurl>

1. Restart the presentation services.



🎇 Oracle BI Cluster Controller			Manual	Local S
🆏 Oracle BI Java Host		Started	Automatic	Local S
🍓 Oracle BI Presentation Server		Started	Automatic	Local S
🆓 Oracle BI Scheduler	Start		Manual	Local S
🆓 Oracle BI Server	Stop	Started	Automatic	Local S
🆓 OracleClientCache80	Pause		Manual	Local S
🆓 OracleDBConsoleorcl	Resume	Started	Automatic	Local S
🍓 OracleJobSchedulerORCL	Restart		Disabled	Local S
🆓 Oracleoracle10gDBiSQL*Plus	All Tasks 🕨	Started	Automatic	Local S
🍓 Oracleoracle10gDBTNSListener		Started	Automatic	Local S
🆓 Oracleoracle10gDBTNSListenerS_NQ_SCHED	Refresh		Automatic	Local S
🆓 Oracleoracleas1ASControl	Properties	Started	Automatic	Local S
🍓 Oracleoracleas 1 Process Manager	Fropercies	Started	Automatic	Local S
CracleServiceORCL	Help	Started	Automatic	Local S

- If server is present in Linux then go to <InstallDrive>/OracleBI/setup folder and execute the following command to start BI Presentation Server. ./run-saw.sh start
- 3. You will see directory created in following structure in OracleBIData\web\catalog.



- Open the following shipment media directory for Web catalogs. <<Shipment Media>>\SOFT\FLEXCUBE_Kernel\<Release_Folder>\<<Module Code>>\OBIEE
- 5. Copy and paste the released .zip files into local directory (D:\OBIEE\WebCatalog). Overwrite with released files, if files already exist.
- 6. Extract all the zip files.
- 7. Copy and paste the extracted files (Except .xml files) into OracleBIData\web\catalog\FlexCube\root\shared

Copy and paste the .xml files into OracleBI\web\msgdb\customMessages.

1.3.3 Web Catalog Permissions Changes

1. Once all the module specific web catalogs are extracted to the above location, use catalog manager to change the permissions of all presentation objects. This is required if the user wants to edit the saved answers and dashboard.



Oracle Business Intelligence Catalog Mana	ager					
File Edit View Tools Help						
Cut Copy Paste 🔬 Search Explore						
🖞 Tree 🛛 🗖 🗖	🛅 Table 🗙					- E
						Go
	Name	Туре	Owner	My Permissi	Attributes	Date Creat
	Copen Catalog Type: Offline Path D:\OracleBIData\web\u User: Administrator Password: Read-Only	CK	Browse Cancel			
		1111				>

- 2. Open FlexCube catalog in the offline mode as shown above and change the permissions as shown below.
- 3. Select each module folder and right-click and select 'Properties' Select the owner as 'Administrator' and Check the 'Apply Recursively' enabled as follows:

Oracle Business Intelligence Catalog Man file Edit View Tools Help Cut Copy Paste 🕢 Search Explore	ager - D:\OracleBIData\web\cata	llog\FlexCube				
	Table × /shared //shared Name	+c +c +v ler ler	Owner System Acc System Acc System Acc System Acc System Acc Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator Administrator	My Permissi Full Full	Attributes System, Hi System, Hi System, Hi	60 Date Creats Thu Jun 12 Thu Jun 1
	<u><</u>	1111				>

4. Select 'Properties' and the following screen appears:



Properties		×
C	PC Edit XML	
Type: Path:	Folder /shared/PC	
Created: Modified: Last Accessed:	Thu Jun 12 12:05:02 IST 2008 Thu Jun 12 14:51:00 IST 2008 Thu Jun 12 18:58:33 IST 2008	
Owner:	Administrator	
Attributes:	🗖 Read-Only 🗖 Hidden 🗖 System	
Properties:	Name Value	-
	Edit New Delete	
Apply Recursively		
	OK Cancel	

Again, select the folder, right-click and select 'Permissions'.

Oracle Business Intelligence Catalog Man	ager - D:\OracleBIDat	a\web\catalog\FlexCube				
File Edit View Tools Help						
Cut Copy Paste 🛛 🔂 Search Explore						
🕄 Tree 🛛 🗖 🗖	🛅 Table 🗙					
Fix Tree X shared devices	/shared Name devices disconnected jibots mktgdefaults BC CF CC CC CC CC CS DV FT FX GLMIS LC LC LC MM	Type Folder Enider Cut Ctrl+x Copy Ctrl+x Paste Ctrl+x Paste Ctrl+y Create Shortcut Delete Delete Delete Smart Rename (fix refs) Refresh Create Folder Create Report Preview Preview Properties	stem Acc stem Acc ministrator ministrator ministrator ministrator ministrator ministrator ministrator ministrator ministrator ministrator ministrator	Full Full Full Full Full Full Full Full	Attributes System, Hi System, Hi System, Hi	Go Date Creat Thu Jun 12 Thu Jun 12
SE PC	🗀 RE	Folder	Administrator Administrator	Full Full		Thu Jun 12 Thu Jun 12
users	🗀 SE 🦲 SI	Folder Folder	Administrator	Full Full		Thu Jun 12 Thu Jun 12
	<	1111)		>

5. Change the permissions by selecting the 'Everyone' in left and change the permission to 'Full Control' and Check the 'Apply Recursively' enabled like below:



O Permissions				
🗀 PC				
Users and groups (Explicit permis	sions)		Additional users and groups	
Name	Permission		Name	Туре
Everyone	Full Control	< >	Authenticated Users Presentation Server Administ	Group Group
<	>		<	>
Apply Recursively			, In the second	now groups only
			ОК	Cancel

If the server is present in Linux Machine then zip the catalogs which are present in

OracleBIData\web\catalog\FlexCube\root\shared

Except the default folders (ie _devices, _disconnected, _ibots, _mktgdefaults and the corresponding .atr files) from windows and copy it to

OracleBIData\web\catalog\FlexCube\root\shared in Linux machine

6. Once all the above steps done, start the Oracle BI Server, Oracle BI Presentation Server services from Services window.

If server is present in Linux then go to <InstallDrive>/OracleBI/setup folder and execute the following command to start BI Server and BI Presentation Server.

./run-sa.sh start

./run-saw.sh start

7. Start OC4J from Programs->Oracle Business Intelligence->Start OC4J

In Linux go to <InstallDrive>/OracleBI/oc4j_bi/bin and execute the following commands to restart the OC4J

oc4j –stop

oc4j -start

- 8. Login to Presentation services from Programs->Oracle Business Intelligence->Presentation Services.
- 9. Enable 'Write Back option to Database' by going to:

Settings->Administration->Manage Privileges->Write Back to Database

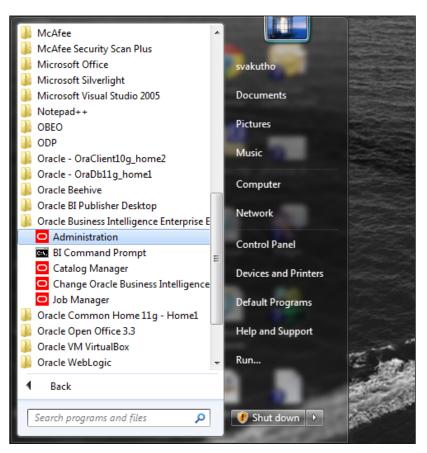
10. Provide privilege for Presentation Service Administrator.



1.4 Deployment in OBIEE 11g

1.4.1 Rpd Connection Changes

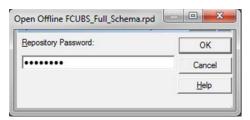
1. Open 'OBIEE Administration tool'.



2. Open rpd in the offline mode.



3. Enter the Password: Admin123 and click 'OK'.



4. Double-click on connection pool.



Oracle BI Administration Tool - FCUBS_Full_Schema.rpd				
<u>File Edit View Manage Tools D</u> iagram <u>W</u> indow <u>H</u> elp				
D 📽 📽 📽 🗛 🗄 👆 🖊 🖬 🏗 🛛 🖄 😫 🗞	9, 5, 6, 6, 12			
Presentation	Business Model and Mapping	Physical		
H: G CS C DV H: P R: Prosecton H: P C: Teresecton H: S Subsystems H: S Subsystems	Busines Model and Mapping	Benche Benche Benche Si Bornendon Ros Si DV Fx Si Subsystem Synonyms		
Connection Pool : "FlexCube". "Connection Pool"		NUM		

5. Change the Data source name.

Connection Pool - Conn	ection Pool 📃 🔲 💌 🌄
General Connection S	cripts XML Write Back Miscellaneous
Name: Connection	Pool Permissions
<u>C</u> all interface:	OCI 10g/11g
Maximum connections	10 +
Require fully qualifi	ed table names
Data source name:	KD12NEW
Shared logon	
User name:	FCUSB121DEV Password:
Enable connection	pooling
<u>T</u> imeout:	5 (minutes) 💌
Use multithreaded	
Parameters suppor	ed
Isolation level:	Default
Description:	
	<u> </u>
	v
	OK Cancel Help



Change Data source name for the marked info given in the below format:

(DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = <Host Address>)(PORT = <Port>)))(CONNECT_DATA = (SERVICE_NAME <Servicename>)))



6. Enter the User ID and Password and click OK. Again, enter the same password when it prompts. Save the Rpd changes.

Connection Pool - Conne	ection Pool	
General Connection Sc	ripts XML Write Back Miscellaneous	
Name: Connection F	Pool <u>P</u> ermiss	ions
<u>C</u> all interface:	OCI 10g/11g	-
Maximum connections:	10 ÷	
Require fully qualifie	d table names	
D <u>a</u> ta source name:	(DESCRIPTION = (ADDRESS_LIST = (ADDRE	ESS = (
Shared logon		
User name:	FCUBSDEV Password:	••
Enable connection	pooling	
<u>T</u> imeout:	5 (minutes)	-
Use multithreaded c	connections	
Parameters supporte	ed	
Isolation level:	Default	- I
Description:		
		<u> </u>
	OK Cancel	Help

7. Click 'OK' and the follwing screen is displayed:



Confirm Pass	word	×
Password:	•••••	
	ОК	Cancel

8. Click 'OK' and the following screen is displayed:

Oracle BI Administration Tool	×
Do you wish to check global co	nsistency?
<u>Y</u> es <u>N</u> o	Cancel

9. Click 'Yes'.

Check Consistency	
Running Consistency Check	
Invalid Use of EvaluateAggr	
	Cancel



10. Click 'Close' in below window.

Message	Object Type	Object	Error No.	Error Description
Туре				

1.4.2 Deploying RPD using Enterprise Manager

1. Login to OBIEE Enterprise Manager using OBIEE Admin User ID and Password.







- Farm bifoundation domain (Oracle Fusion Middleware Farm) Oracle Enterprise Manager (weblogic) Mozilla Firefox Eile Edit View History Bookmarks Icols Help - 0 <u>- ×</u> 🖸 Error 500--Internal Server Error 🛛 🗙 💭 Oracle BI Catalog 🛛 👋 💭 Farm_bifoundation_domain (Oracle F... 🗙 🕂 🌾 💭 ofss220331.in.oracle.com:7001/em/faces/as/as/vi/FarmHome?target=Farm_bifoundation_domain&type=oracle_ias_farm&_afrLoop=2757521891522367#%4t 🏠 🗢 🦿 🚺 😽 - Google ۶ 🏫 ORACLE Enterprise Manager 11g Fusion Middleware Control Setup → Help → Log Out 🕂 Farm 👻 🔒 Topology Farm_bifoundation_domain 🕡 Logged in as weblogic == E Farm_bifoundation_domain Page Refreshed Mar 25, 2013 4:58:19 PM IST E Application Deployments WebLogic Domain
 Business Intelligence
 Coreapplication Deployments ② Eusion Middleware ⊗. Corcapping to the second Up (23) Up (3) Status Target CPU Usage (%) Name Status Host Name 🖃 🛅 Application Deployments WebLogic Domain

 WebLogic Domain

 AdminServer

 AdminServer

 bi_server1 Internal Applications bi duster 🖃 🚊 adminservice(11.1.1) û adminservice(11.1.1) bi_server1 ofss220331.in.orade 0.22 € € 🖃 🚊 analytics(11.1.1) bi_duster ofss220331.in.orade 0.29 analytics(11.1.1) bi_server1 anaryuts(11114)
 biadminservices(11.1.1)
 biadminutils(11.1.1)
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 (b) Indistanding Key Oracle Fusion Middleware Fam Concepts
 (c) Understanding Key Oracle Fusion Middleware Administration Tools
 Typical Administration Tasks
 (c) Centry State Using Oracle Enterprise Manager Fusion Middleware Control
 (c) Starting and Stopping Oracle Fusion Middleware
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- 2. Click on core application under Business Intelligence Folder as shown.



3. Click on Lock and Edit and go to Deployment Tab.

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	Upload BI Server Repository	
	Use this section to upload a new RPD and its password to your BI Server doman. You may also use this section to re-enter the p Repository File Repository Password Confirm Password	assword if a mistake was made on a previous upload.
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	This section shows the current location of the catalog used by Presentation Services. Use this section to change the location of the location of location. Catalog Location SORACLE_INGTANCE/bifoundation/OradeUIPresentationServicesComponent/SOCMPORENT_NAME/or	



4. Click on Browse and select the Rpd to make it online.

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 Coreapplication Overview Availability Capacity Management Diagnostics Security Deployment 🗄 🛄 Metadata Repositories Presentation Repository Scheduler Marketing Mail **BI Server Repository** Apply This section shows the current installed RPD. You can use this section to configure a shared RPD location. Default RPD GE_POC_GL_EIMIS_Demoold BI0052 Share Repository RPD Publishing Directory Upload BI Server Repository Use this section to upload a new RPD and its password to your BI Server domain. You may also use this section to re-enter the password if a mistake was made on a previous upload. Repository File FCUBS_Full_Schema.rpd Update... Repository Password Confirm Password BI Presentation Catalog This section shows the current location of the catalog used by Presentation Services. Use this section to change the location of the catalog, or to share the catalog by pointing to a shared location. Catalog Location \$ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesComponent/\$COMPONENT_NAME/catalog/Sam
- 5. Enter the Repository password and Confirm Password as Admin123/Admin123.

- 6. Click 'Apply'.
- 7. Click' Activate Changes'.



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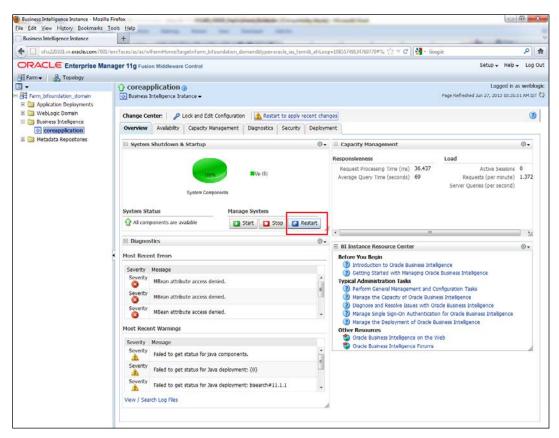


8. Let the below process to complete and click 'Close'.

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9. Click 'Restart' the instance to take the effect of changes.



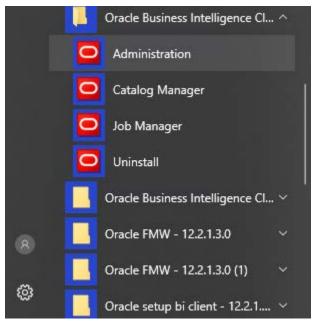
This completes the deployment.



1.5 Deployment in OBIEE 12c

1.5.1 Rpd Connection Changes

1. Open OBIEE 'Administration' tool.



2. Open rpd in the offline mode.

Oracle BI Administration Tool	Viewing Vara Prasad Burla's screen	_ & ×
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or Help, press F1		NUM

3. Enter the password as Admin123 and click 'OK'.



Repository Password:	OK
•••••	Cancel
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4. Double-click on the Flexcube in the physical layer present on the right. It opens the database properties.

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reentation • W CS • W CS • FX • FX • FX • SI Subaytems	Builders Model and Mapping Builders Model and Mapping Image: Comparison of the second seco	Procession Pool Procession Pool Proces	

5. In the Database Properties, change the Database Type to 'Oracle12c'.



Database - FlexCube	
Display Folders	Database Properties Miscellaneous
General	Features Connection Pools
	' ' '
Name: FlexCub	e
,	
Data source defini	tion
Database type:	Oracle 10g R2
	Oracle 10g R2
CRM metadata	Oracle 10g XE
	Oracle 11g
	Oracle 11g on Exadata
	Orade 12c
Persist connection	Oracle 12c In-Memory
	Oracle 12c In-Memory on Exadata
not assigned	Oracle 12c on Exadata
,	Oracle 8i
	Oracle 9i
Allow populate o	Oracle Exadata Oracle OLAP 10g
Allow direct data	Oracle OLAP 11g
	Orade OLAP 12c
Description:	Oracle RPAS OracleADF
	OradeADF11g
	SAP BW Native
	SAP/BW 3.5/7.0
	SQL Anywhere 8
	SQL Anywhere 9
	SOL Server 2005
	SQL Server 2008
	SOL Server 2012
	SQL Server 7.0/2000
	Sybase ASE 15.0
	Sybase IQ 12.7
	Teradata V12
	Teradata V13/V14
	Teradata V2R4

1. Change Data source name for the marked info given in the below format:

(DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = <*Host Address*>)(PORT = <*Port*>)))(CONNECT_DATA = (SERVICE_NAME <*Servicename*>)))

Eg:

(DESCRIPTION=(ADDRESS_LIST =(ADDRESS = (PROTOCOL = TCP)(HOST = whf00brs.in.oracle.com)(PORT = 1522)))(CONNECT_DATA =(SERVICE_NAME = FC142DEVPDB2)))





2. Enter the User ID and password and click OK. Again enter the same password when it prompts. Save the Rpd changes.

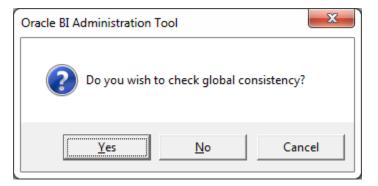
Connection Pool - Conn	ection Pool	_ _ x
General Connection Sc	ripts XML Write Back Miscellaneous	
Name: Connection	Pool Pen	missions
<u>C</u> all interface: <u>M</u> aximum connections: <u>R</u> equire fully qualifie D <u>a</u> ta source name: <u>S</u> hared logon <u>U</u> ser name: <u>L</u> nable connection p Timeout:	(DESCRIPTION=(ADDRESS_LIST =(ADDRESS_LIST =(ADDRESS	
=) 	es) <u>▼</u>
 Use multithreaded c Parameters supported 		
Isolation level:	Default	
Description:	JDerault	<u> </u>
	OK Cancel	- Help

3. Click 'OK' and the follwing screen is displayed:

Confirm Pass	word
Password:	•••••
	OK Cancel



4. Click 'OK' and the following screen is displayed:



5. Click 'Yes'.

Check Consistency	
Running Consistency Check	
Invalid Use of EvaluateAggr	
	Const
	Cancel

6. Click 'Close' in below window.

Message Type	Object Type	Object	Error No.	Error Descriptio	n

1.5.2 Merge Repositories

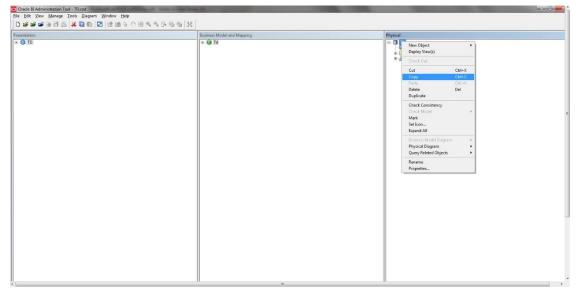
To Merge Repositories and to make FCUBS_Full_Schema.rpd we need to follow below steps.

All the OBIEE repositories are in MAIN/<Module>/OBIEE_11g

1. Open the 'FCUBS_Full_Schema.rpd' from svn. This is an empty repository.



- 2. Open the repository to be merged eg TD.rpd
- 3. Copy TD folder under Physical layer in TD rpd and paste in physical layer of FCUBS_Full_Schema.rpd.



4. After pasting, FCUBS_Full_Schema.rpd would look like below:

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sentation	Business Model and Mapping	Physical		
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5. Similarly copy the folders from Business model and Presentation layer from 'Td.rpd' to 'FCUBS_Full_Schema.rpd'. Then 'FCUBS_Full_Schema.rpd' would like below:



e BI Administration Tool - FCUBS_Full_Schema.rpd fit _ <u>V</u> iew _ <u>M</u> anage _ <u>T</u> ools _ <u>D</u> iagram _ <u>W</u> indow _ <u>H</u> elp			
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- 6. Please follow the order of Physical, Business Model and Presentation layer to paste in 'FCUBS_Full_Schema.rpd'.
- 7. Save the repository and do a global consistency check to see 0 errors. Similarly repeat the merging process for all modules.

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C:\Users\\Desktop\CASA.rpd FCUBS_Full_Schema.rpd			
D:\14.3\\CASA.rpd			
it			

1.5.3 Deploying RPD using putty

1. Copy the rpd in the below path in OBIEE server.

Path :< Oracle_Home>/user_projects/domains/bi/bitools/bin

Example Path : /scratch/app/obi12213/user_projects/domains/OBIEE12C/bitools/bin

2. Run putty and then go to path:



cd <Oracle_Home>/user_projects/domains/bi/bitools/bin

Example cd /scratch/app/obi12213/user_projects/domains/OBIEE12C/bitools/bin

3. Run the below command from the putty to deploy RPD.

Syntax:

sh data-model-cmd.sh uploadrpd -I <RPDname> [-W <RPDpwd>] -SI <service_instance> -U <cred_username> [-P <cred_password>] [-S <hostname>] [-N <port_number>] [-SSL] [-H]

Example:

sh datamodel.sh upload**rpd** -I FCUBS_Full_Schema.**rpd** -W Admin123 -SI ssi -U weblogic -P weblogic123





OBIEE Metadata Repository Deployment Guide [Apr] [2020] Version 14.4.0.0.0

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