## Oracle Analytics Repository Deployment Guide Oracle FLEXCUBE Universal Banking Release 14.4.0.4.0 Part No. F42209-01 [May] [2021]



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# 1. Oracle Analytics Repository Deployment Guide

### 1.1 Introduction

This document explains the steps to be done on RPD and then how to deploy RPD in Oracle Analytics Server.

### 1.1.1 FCUBS RPD

In FCUBS we have module specific RPDs. They are named in the format Module Name.RPD (for example TD.RPD, SI.RPD etc.). In this document we will see how to change the database connection for these RPDs to point to the Reports Database, then merge all module specific RPDs to a single FCUBS Metadata RPD. We will also see how to deploy this RPD in Oracle Analytics Server.

## 1.2 Deployment in Oracle Analytics Server

#### 1.2.1 <u>RPD Connection Changes</u>

1. Open 'Model Administration' tool, under Oracle Analytics Client Tools.



2. Open rpd in the offline mode.



Oracle BI Administration Tool	Viewing Vara Prasad Burla's screen	_ 8 ×
Eile Tools Help		
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	Expand to view video      Open     Lock p: PBP     P    P    P    P    P     P    P    P     P    P    P     P    P     P    P     P    P     P    P     P    P     P    P     P    P     P    P     P    P     P    P     P    P     P     P    P     P	Q Q + <sup>2</sup> *
for Help, press F1		NUM

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



4. Double-click on the Flexcube in the physical layer present on the right. It opens the database properties.

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Presentation	Business Model and Mapping	Physical
H: G CS H: G DV H: G FK H: G SL D:	Tre Gu CS E Gu DV E Gu K E Gu S E Gu Subnyatema E Gu Subnyatema	E ■ RevOrbei H ■ Conversion Pool E ■ S H ■ D V H ■ DV H ■ S H ■ S
or Help, press F1		NUM

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



Database - FlexCube				
Display Folders	Database Properties Miscellaneous			
General	Features Connection Pools			
	' ' 'i			
News Flore h	-			
Name:   FlexCub	e			
Data source definition				
Database type:	Oracle 10g R2			
	Oracle 10g R2			
CRM metadata	Oracle 10g XE			
	Orade 11g			
	Oracle 11g on Exadata			
	Orade 12c			
Persist connection	Oracle 12c In-Memory			
a share i sand	Oracle 12c Internet of Exaduata			
not assigned	Oracle 8i			
	Orade 9i			
-	Orade Exadata			
Allow populate q	Oracle OLAP 10g			
Allow direct data	Orade OLAP 11g			
Allow direct data	Oracle OLAP 12c			
Description:	Oracle RPAS			
	OradeADF			
	OracleADF11g			
	SAP BW Native			
	SAP/BW 3.5/7.0			
	SQL Anywhere o			
	SQL Anywhere 9			
	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 - Conne	ection Pool	_ 🗆 🗙
General Connection Scr	ipts XML Write Back Miscellaneous	
Name: Connection P	ool <u>P</u> em	nissions
<u>C</u> all interface: <u>M</u> aximum connections: <u>R</u> equire fully qualified Data source name:	Default (OCI 10g/11g) 10	▼ S = (PB0)
✓     Shared logon       User name:       ✓       Enable connection p	FC142IUT Password:	••••
<u>T</u> imeout: ✓ Use mu <u>l</u> tithreaded co ✓ Parameters supp <u>o</u> rte	5 (minute onnections d	s) 🔽
Isolation level:	Default	•
	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	
	Cancel

6. Click 'Close' in below window.

Message Type	Object Type	Object	Error No.	Error Des	ription

#### 1.2.2 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:

🖸 Oracle 81 Administration Tool - FCU85, Full, Schema.rpd		
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Presentation	Business Model and Mapping	Physical
Precration	Bisiness Model and Mapping	Physical  TD  TO  To  To  To  To  To  To  To  To  To

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:



Oracle BI Administration Tool - +CUBS_hull_schema.rpd		
<u>Eile Edit View Manage Iools Diagram Window Help</u>		
D ≥ ≥ ≥ ≥ 3 5 <mark>X B B </mark> Z B B 2 7 8 4 4 5 6 4 X		
Presentation	Business Model and Mapping	Physical
Presentation	Buiness Model and Mapping	Physical To Connection Pool to to to to to to to to to to

- 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.

Oracle 81 Administration Tool - FCUBS_Full_Schema.rpd		
File Edit Yiew Manage Tools Diagram Window E	elp	
New Repository Ctrl+N	9 0 B 4 4 6 6 6 6 6 13	
Open •	Buriness Madel and Manning	Devial
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Sever Chris		e 🤤 TD
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Copy As		
Change Password		
Load Java Datasources		
Print Preview		
Print		
Import Metadata		
Compare		
Turn off Compare Mode		
Merge		
Check Global Consistency Ctrl+K		
Check Models +		
Check Out All		
Check In Changes		
Undo All Changes		
1 ECLIRS Full Schema rnd		
2 C:\Users\\Desktop\CASA.rpd		
3 FCUBS_Full_Schema.rpd		
4 D:\14.3\\CASA.rpd		
Exit		
- Cit		

### 1.2.3 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





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