Oracle Analytics Publisher Web Service Reports Oracle FLEXCUBE Universal Banking Release 14.5.2.0.0 Part No. F45976-01 [August] [2021]



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1. Server Setup for Web Service Based Oracle Analytics Publisher Reports

1.1 Introduction

This chapter explains the method to setup the web services based reports on Oracle Analytics Publisher.

1.2 **Prerequisites**

Before you continue, ensure that Oracle Analytics Publisher on the server machine.

1.3 Deploying BIP Reports

This section guides you through the deployment of Oracle Analytics Publisher reports. This reports deployment involves the following steps:

- Setup Oracle Analytics Publisher Server
- Setup Oracle Analytics Publisher Data Source
- Create Oracle Analytics Publisher FC Reports folder
- Configure Oracle Analytics Publisher Currency

These steps are explained under the following headings.



1.3.1 Setting up Oracle Analytics Publisher Server

For setting up Oracle Analytics Publisher server, follow the steps below.

1. Go to Oracle Analytics Publisher's Administration Console.

ORA	CLE.			
User ID				
Password				
Sign	In			
🗆 Accessibi	lity Mode			
English		*		
	Password Sign Accessibi	Password Sign In Accessibility Mode	Password Sign In Accessibility Mode	Password Sign In Accessibility Mode

Specify the user name and password and click 'Sign In' button to sign in.

		Search All	•	٩	Home	Catalog	New 🔻	Open 👻	?	0
Create	Recent									
Report	Reports									
Report Job										
Data Model										
More w										
Browse/Manage	strcif Open Edit More 🕶									
Catalog Folders	Others									
Report Job History	Favorites Manage									

On successful login, the following screen is displayed.



Home	e Catalog	New 🔻	Open 🔻 ? ဝ
			My Account
			Administration
			Sign Out

Click the link 'Administration' on the top right of the screen, appearing on click of User icon.

The following Administration screen is displayed.

Administration	Search All	.	Q	Home	Catalog	New -	Open 👻	? 6
Data Sources		System Maintenance						Î
JDBC Connection JNDI Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection HTTP Connection Content Server		Server Configuration Scheduler Configuration Scheduler Dignostics Acheduler Dignostics Report Viewer Configuration Manage Cache Manage Job Diagnostics Log						
Security Center		Runtime Configuration						
Security Configuration Roles and Permissions Digital Signature		Properties Font Mappings Currency Formats						
Delivery		Integration						
Delivery Configuration Printer Fax Email WebDAV HTTP FTP Content Server CuIPS Server Content and Experience Cloud		Oracle BI Presentation Services						

Click 'Server Configuration' under 'System Maintenance'.

The following screen is displayed.



Administration	Search All 🔹 🔹 Rome Catalog New 🗸 Open 💌 ?	0
Administration > Server Configuration		0
System Maintenance		_
Server Configuration Scheduler Configuration Sche	duler Diagnostics Report Viewer Configuration Manage Cache Manage Job Diagnostics Log	
TIP Any changes will only take effect after the application	h is restarted. Apply Canc	el
Catalog		
The Catalog contains all content such as reports and	šata models.	
Catalog Type Oracle BI EE Catalog		
Server Version Connection protocol		
	Test Connection	
BI Publisher repository	/scratch/app/domains/oas59/FC14581P/bidata/components/bipublisher/repository	
BI Search URL	http://fsgbu-mum-937.snbcmprshared1.gbucdsint02bom.oraclevcn.com:9505/bisearch/rest/BISearchQueryService/search	
BI Search Group name	bisearch_ws	
BI Search Timeout (millisecond)	6000	
General Properties		
System Temporary Direct	ory	
Report Scalable Thresh	bla	~
		*

Specify the following details:

Cache Expiration (Minutes)

Specify the duration for which the data need to be stored in the cache. You need to specify the duration in terms of minutes.

Cache Size Limit

Specify the maximum size allowed for cache.

Maximum Cached Report Definition

Specify the maximum number of reports that can be stored in cache.

Cache related settings are optional.

Once you have specified the above details, click 'Apply'.

This completes the process of BIP service setup.

1.3.2 Setting Up Oracle Analytics Publisher Data Sources

For setting up BI Publisher data sources goto the 'Administration' page.





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

								0
OLAP Web Services HTTP Content Server								
Connection String	Delete							
jdbc:oracle:thin:@//100.76.133.56:1523/FC1450SDCPDB	×							
jdbc:oracleb://fsgbu- mum-937.snbomprshared1.gbucdsint02bom.oraclevcn.com:9514/	×							
	Connection String jdbc:oracle:thin:@//100.76.133.56:1523/FC1450SDCPDB jdbc:oracleb://fsgbu-	Connection String Delete jdbc:oracle:thin:@//100.76.133.56:1523/FC14SOSDCPDB X jdbc:oracleb://fcgbu- X	Connection String Delete jdb::oracle:tbin:@//100.76.133.56:1523/FC1450SDCPDB X jdb::oraclebi:/f5gbu- X	Connection String Delete jdbc:oracle:thin:0/100.76.133.56:1523/FC1450SDCPD8 X jdbc:oracleb://f5gbu- X	Connection String Delete jdbc:oracle:thin:0//100.76.133.56:1523/FC1450SDCPD8 X jdbc:oracleb://fsgbu- X	Connection String Delete jdb::oracle:tbln:@//100.76.133.56:1523/FC1450SDCPDB X jdb::oraclebb:/f5gbu- X	Connection String Delete jdbc:oracle:thin:0//100.76.133.56:1523/FC1450SDCPD8 X jdbc:oracleb://fsgbu- X	Connection String Delete Jdbc:orade:thin:8/J100.76.133.56:1523/FC1450SDCPDB X Jdbc:oradeb:/ffsgbu- X

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

Administration		Search All		R, Home	Catalog New 🔻 Open	• ?	0
Administration > JDBC > Add Data Source						6	•
Add Data Source							- 1
					Apply	Cancel	
General							
TIP Please make sure to install the required JDBC driver classes. TIP With Oracle Fusion Middleware Security Model, select the Use System User of TIP Not all JDBC data sources support Remote Data Gateway Connection	eckbox to use the BI System User	for your BI Server Database C	onnection.				
* Data Source Name							
* Driver Type	Orade 12c 💌						
Use Remote Gateway Connectivity							
* Database Driver Class	oracle.jdbc.OracleDriver						
* Connection String	(Example: oracle.jdbc.OracleDriver)						
- Contraction - Suring	jdbcorade:thm:@[host]:[port]:[sid]	\$					
Use System User							
* Username							
Password							
Pre Process Function							
Post Process Function							
Client Certificate							
Use Proxy Authentication							
	Test Connection						

Specify the JDBC connection details as shown in the screen.

Ensure that the data source name displayed on the screen is the same as the one provided or 'defaultDataSourceRef' in the function ID specific report xdm files. All the xdm files should have the same defaultDataSourceRef.



Enter the details, and click 'Test Connection' button. On successful connection, you will see a confirmation message on the screen.

Once the connection testing is successful, Click 'Apply' button. This completes the process of BIP data source setup.

1.3.3 Creating Oracle Analytics Publisher 'FCReports' Folder

For creating Oracle Analytics Publisher FCReports folder, follow the steps below.

- 1. In the shipment media, copy all the files from the following folders to a common location:
 - MAIN/<Module>/Datamodels_12c
 - MAIN/<Module>/Reports_12c

Along with these create a folder called 'Adv' and keep the files under these directories

- MAIN/<Module>/Advices_12c/Datamodels_12c
- MAIN//<Module>/Advices_12c/Reports_12c (except Branch Module)
- MAIN/<Module>/Advice_12c/XSD

For example:

Name	Date modified	Туре	Size
📕 Adv	9/2/2016 10:54 AM	File folder	
acrdltxn.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrfcdr.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrgpbal.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrjrnal.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrmrevl.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrpcash.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrpcshd.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrpfvbl.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrpmove.xdmz	7/27/2016 12:14 PM	XDMZ File	4 KB
acrreval.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acrstmnt.xdmz	7/27/2016 12:14 PM	XDMZ File	2 KB
acrstmov.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acruncol.xdmz	7/27/2016 12:14 PM	XDMZ File	3 KB
acst_detailed.xdmz	7/27/2016 12:20 PM	XDMZ File	2 KB
additionalcollateralletter.xdmz	8/8/2016 11:06 AM	XDMZ File	4 KB
additionalinformationletter.xdmz	8/8/2016 11:06 AM	XDMZ File	4 KB
advice_cr_instrtxn.xdmz	7/27/2016 4:31 PM	XDMZ File	2 KB
amrfndhd.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
amrfunbl.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
amrnavmv.xdmz	7/25/2016 3:41 PM	XDMZ File	3 KB
ApplicantDependencyAnalysis.xdmz	8/8/2016 12:08 PM	XDMZ File	4 KB
ApplicantOverallAnalysis.xdmz	8/8/2016 12:08 PM	XDMZ File	4 KB
ApprovedIslamicFinancingCreationDeals	8/8/2016 11:08 AM	XDMZ File	4 KB
ApprovedLoanCreationDeals.xdmz	8/8/2016 12:08 PM	XDMZ File	4 KB
bcrendoc.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrmltnr.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrobefr.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrobtbp.xdmz	7/26/2016 12:23 PM	XDMZ File	4 KB
bcrobuds.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
bcrobunp.xdmz	7/26/2016 12:23 PM	XDMZ File	3 KB
herodace vdmz	7/26/2016 12:23 PM	XDM7 File	3 KB

Select all these and zip as FCReports.zip. Then rename this to FCReports.xdrz



g Catalog			Search Al	🗢 🚺 🗧 Home Catalog New 🕶 Open 🛩 🍸 🥹
++ 2 3	• X = X	Location /Shared Folders		0
Folders		Upload	×	
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Tasks	1	1		
Shared Fol	lers			
Detete Copy Detete	Upload Downbald Downbald Cut If Cut If Resume Iff Properties Cf Export XUFF			

Deploy this file as follows:

Select the Catalog option in the top menu.

Click on Shared Folders in Folders and click on upload button(at the bottom), browse the FCReports.xdrz file and click on upload.

In Oracle BI Publisher Enterprise, navigate to 'Shared Folders' and then to 'FCReports' folder. The screen will display the list of all available reports.

Catalog	Search All V Copen V	? (
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Folders	Adv Last Modified 4/27/21 1:09 PM Created By infra Expand More *	í
My Folders Shared Folders	acrolitxm Last Modified 4/27/21 1:05 PM Created By Infra Open Schedule Jobs Job History Edit More #	
FCReports	acrfodr Last Modfled 4/27/21 1:09 PM Created By Infra acrfodr Open Schedule Jobs Job History Edit More **	
	acrgpbal Last Modified 4/27/21 1:09 PM Created By infra Open Schedule Jobs Job History Edit More #	
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Tasks	acrmrev/ Last Modified 4/27/21 1:09 PM Created By Infra Open Schedule Jobs Job History Edit More #	
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X Delete 🛃 Download	acrpcshd Last Modified 4/27/21 1:09 PM Created By Infra Open Schedule Jobs Job History Edit More ♥	
Copy & Cut	acrpfvbl Last Modified 4/27/21 1:09 PM Created By Infra Open Schedule Jobs Job History Edit More ♥	
Permissions Properties	acrpmove Last Modified 4/27/21 1:09 PM Created By Infra Open Schedule Jobs Job History Edit More ♥	
	acrreval Last Modified 4/27/21 1:09 PM Created By Infra acrreval	

This completes the process of 'FCReports' folder creation.



1.3.4 Creating Oracle Analytics Publisher Report Job

1. In the home page, on the left side, click on Report Job and select the report which has to be run

		Search All	•	ৎ	Home Catalog	New V Open V	? 🛛
Create	Recent						
Report	Reports						
Report Job							
Data Model							
More w							
Browse/Manage	strcif Open Edit More *						
Catalog Folders	Others						
Report Job History	Favorites Manage						

General Created by infra Outputs Report Name Destination	Op <mark>en</mark>		×	Return Submit 😡
Schedule Start Immediately Notification General Output Schedule Notification Diagno Report Q 4 Parameters	Catalog My Folders Shared Folders FCReports Adv	strovtod stypedop styrmbus styrmbus styrmbus styrmbus styrmbus styrmbus styrmbus styrmbus styrmbus styrmbus styrmbus bescription styrtee		
			Open Cancel	



* Schedule Report Job	Search All	•	२, Home Catalog	New 🕶 Open 👻 ?	9
Overview General Created by Infra Report Name //CReports/straffee.xdo Schedule Start immediately General Ourput Schedule Notification	Outputs View bursting definition Destination Notification Diagnostic			Return Submit 😡	
Report /FCReports/strstfee.xdo	۹				
PM_REPORT_NAME	Language ENG			*	

 Click on Output Tab. The options will get defaulted from the report which can be changed, if needed. Use 'Bursting definition to Determine Output & Delivery Destination' – Select this option, this will default the output and destination path as defined in the bursting query of the report.

Note the second	Search Al	▼Q Home Catalog New ▼ Open ▼ ? Q
Overview General Created by Infra Report Name /FCReports'stratee.xdo Schedule Start Immediately General Output Schedule Notification	Outputs View bursting definition Destination Notification	Return Submit 😡
Use Bursting Definition to Determine Outp Drable XML Pruning Make Output Public Save Data for Republishing Compress output prior to delivery dutput	at & Delivery Destination	
Output is determined by bursting definition.		
Destination is determined by bursting definition	x	

- 3. Click on 'Submit' on then top right, to submit the job. A pop-up message asking job name is displayed. Enter any name in job name and click on 'OK'. Then a confirmation message that job is submitted successfully is displayed.
- 4. The job will generate the Report output in in destination configured in report.



Submit			0 ×
Report /FCReports/s Parameters "Language":" Schedule Start immedi Output View bursting Notification null Trigger Data Model Trigger Name Trigger Retry Limit Trigger Pause Time Trigger Parameters	'ENG", "PM_REPORT_NAME":"" ately		
Report Job Name	PAD_StatementOfFees		
		ок	Cancel

Message from webpage	\times
Job "PAD_StatementOfFees" successfully submitted	
ОК	

1.3.5 Configuring Oracle Analytics Publisher Currency

You can set configuration for each currency by using one of the following methods.

- Configure using xdo.cfg file
- Configure from BIP server

1.3.5.1 Configuring Currency using 'xdo.cfg' file

In this method, you need to define the mask for each currency in the 'xdo.cfg' file. Further, place the 'xdo.cfg' file in the folder '<BI Publisher Repository>\Admin\Configuration'.

Click to view the 'xdo.cfg' file.

1.3.5.2 Configuring Currency from Oracle Analytics Publisher Server

In order to configure the currency from Oracle Analytics Publisher server, follow the steps given below.



In the 'Administration' page, Click 'Currency Formats' under 'Runtime Configuration'. The following screen is displayed.

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s	ystem Maintenance						^
S S F	icheduler Configuration icheduler Diagnostics teport Viewer Configuration fanage Cache						
F	tuntime Configuration						
F	ont Mappings						
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	S S N N N N N N N N N N N N N N N N N N	System Maintenance Server Configuration Schoduler Configuration Begord Venezionitiguration Hanage Coche Manage Job Diagnostics Log Runtime Configuration Properties Fort Magpings Currency Formats Integration	Server Configuration Scheduler Configuration Scheduler Libagnostics Report Viewer Configuration Manage Job Diagnostics Log Runtime Configuration Properties Forti Mappings Currency Formats Integration	Server Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration Manage Job Diagnostics Log Runtime Configuration Properties Fort Mappings Currency Formats Integration	Server Configuration Scheduler Configuration Scheduler Configuration Manage Configuration Manage Job Diagnostics Log Runtime Configuration Properties Fort Mappings Currency Formats Integration	Server Configuration Scheduler Configuration Scheduler Configuration Manage Job Diagnostics Log Runtime Configuration Properties Font Mappings Currency Formats Integration	Server Configuration Scheduler Configuration Scheduler Caponetics Report Viewer Configuration Manage Job Diagnostics Log Runtime Configuration Properties Font Mappinga Currency Formate Integration

Administration		Search All	× .	Q Home	Catalog	New 🔻	Open 🔻	
Administration > Currency Fi	ormat							
Runtime Configurat	tion							
Properties Font Mapping	gs Currency Formats							
Currency Format								
Add Currency Format								
Currency Code	Format Mask	Delete						

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



👪 Administration	Search All	*	Q,	Home	Catalog	New v	Open 🔻	?	0
Administration > Currency Format > Add Currency Format									0
Add Currency Format									
							Apply	Can	cel
Currency Format									
* Currency Code	GBP								
* Format Mask	9999969996999								

Specify the currency code and the format mask. Click 'Apply' button.

Once the changes for all currencies are made, restart the Oracle Analytics server.

This completes the process of currency configuration from Oracle Analytics Publisher server.





Oracle Analytics Publisher Web Service Reports [August] [2021] Version 14.5.2.0.0

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