BIP Web Service Reports Oracle FLEXCUBE Universal Banking

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1. Server Setup for Web Service Based BIP Reports

1.1 Introduction

This chapter explains the method to setup the web services based BI Publisher reports server on Oracle Analytics Server v5.5.

1.2 Prerequisites

Before you continue, ensure that Oracle Analytics Server v5.5 on the server machine.

1.3 Deploying BIP Reports

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

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

These steps are explained under the following headings.



1.3.1 Setting up BIP Server

For setting up Oracle Analytics Server, follow the steps below.

1. Go to Oracle Analytics Server Web Server's Administration Console.

	ORACLE
	User ID
	Password
	Sign In
	Accessibility Mode
	English
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Specify the user name and password and click 'Sign In' button to sign in.

On successful login, the following screen is displayed.

ORACLE [®] Analyti	cs		Search All	.	্ Adminis	stration Help 🔻	Sign Out 🚥
Home				Home Catalog	New 🔻 Open	n 🔻 Signed In As	weblogic 🔻
Create	Recent						
Report	Reports						
Report Job							
Data Model							
More w							_
Browse/Manage	msrtrsft Open Edit More ▼	msrtrpsx Open Edit More ▼	msrtrpex Open Edit More ▼	msrtrirt Open Edit More.▼	msrtfsft Open Edit More ▼	msrtfpsx Open Edit More ▼	msrti Oper
Catalog Folders	Others						
Report Job History	cirplgbl Edit						
	Favorites Manage						
c							>

Click the link 'Administration' on the top right of the screen.

The following screen is displayed.



	Search All			0,	Administration	Help 💌	Sign Ou	t
Administration	Home Cata	alog	New 1	Ŧ	Open 💌	Signed In /	is weblogi	•
Data Sources	System Maintenance							^
JDBC Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection Content Server	Sever Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration 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 CUPS Server Content and Experience	Oracle BI Presentation Services							~

Click 'Server Configuration' under 'System Maintenance'.

The following screen is displayed.

Administration Home Catalog New * Open * Signed In As webbogic * Administration > Server Configuration Manage Cache Manage Job Diagnostics Log Server Configuration Server Configuration is restarted. Server Configuration Server Configuration Server Configuration is restarted. Server Configuration Server Configuratio
System Maintenance Server Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration Manage Cache Manage Job Diagnostics Log TIP Any changes will only take effect after the application is restarted. Apply Cancel
Server Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration Manage Cache Manage Job Diagnostics Log TIP Any changes will only take effect after the application is restarted. Apply Cancel
STIP Any changes will only take effect after the application is restarted.
Apply Cancel
Catalog
The Catalog contains all content such as reports and data models.
Catalog Type Oracle 81 EE Catalog
Server Version v7 Connection protocol TCP
Test Connection
BI Publisher repository /scratch/app/bipanls55/user_projects/domains/FC144ANALY/bidata/components/bipublisher/repository
BI Search URL http://whf00cfh.in.oracle.com:9519/bisearch/rest/BISearchQueryService/search
BI Search Group name bisearch_ws
BI Search Timeout (millisecond) 6000
General Properties
System Temporary Directory
Report Scalable Threshold
Caching
Cache Expiration (minutes)
Cache Ste Limit
Maximum Cached Report Definitions
Database Failover
Number of Retries
Retry Interval (seconds)
Monitor and Audit
Enable Monitor and Audit
Deployment Mode
□ Is Cloud Enabled



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'.

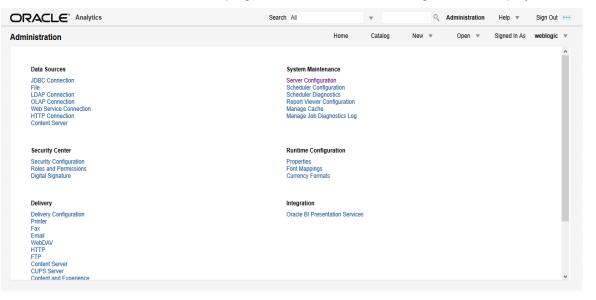
This completes the process of BIP service setup.

1.3.2 Setting Up BIP Data Sources

For setting up Oracle Analytics Server data sources, follow the steps below.

1. Go to Oracle Analytics Server Web Server's Administration Console. Specify the user name and password and click 'Sign In' button to sign in.

Click the link 'Administration' on the top right of the screen. The following screen is displayed.





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

Administration Home Catalog New Open * Signed In As Administration > JDBC Data Sources	weblogic
Data Sources JDBC File LDAP OLAP Web Services HTTP Content Server	
JDBC File LDAP OLAP Web Services HTTP Content Server	
dd Data Source	
Data Source Name Connection String Delete	
CBIP jdbc:oracle:thin:@// whf00bey.in.oracle.com:1524/FC144IUTPDB	
CBIPBPEL jdbc:oracle:thin:@//whf00cgp.in.oracle.com:1521/ELCM144DEV	
rade BI EE jdbc:oraclebi://whf00cfh.in.oracle.com:9528/	

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

ninistration				•	0,	Administration	Help 🔻	Sign Out
			Home	Catalog	New 💌	Open 💌	Signed In As	weblogic
istration > JDBC > Add Data Source								6
Data Source								
							Арр	ly Cancel
eral								
IP Please make sure to install the required JDBC driver class: IP With Oracle Fusion Middleware Security Model, select the IP Not all JDBC data sources support Data Gateway		x to use the BI System User for	your BI Server Data	base Connection.				
* Data Source Nan	ne							
* Driver Ty	Oracle 12c	-						
* Database Driver Cla								
* Connection Stri	(Example: oracle.jdbc.Oracle jdbc:oracle:thin:@[ho							
	- Japctoracietanint@file	scj:[port]:[sid]						
			.ci					
Use System Us								
* Usernan								
Passwo								
Pre Process Function								
Post Process Function								
Client Certifica Use Proxy Authenticatio								
Use Proxy Adhenication	Test Connection							
	Test connection							
kup Data Source								
TP To enable access to a backup data source, please check the	e Use Backup Data Source	e checkbox and enter the neces	sary connection info	rmation.				
Use Backup Data Sour								
Connection Strin	ig							
Usernan	10		h.					
Passwo								
1 455110	Test Connection							
urity	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 user ID and password 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 BI Publisher 'FCReports' Folder

For creating BI Publisher FC reports 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_5.5
 - MAIN/<Module>/Reports_5.5

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

- MAIN/<Module>/Advices_5.5/Datamodels_5.5
- MAIN//<Module>/Advices_5.5/Reports_5.5 (except Branch Module)
- MAIN/<Module>/Advice_5.5/XSD



For example:

Name	Date modified	Туре	Size
퉬 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 xdmz	7/26/2016 12:23 PM	XDM7 File	3 KR

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

Deploy this file as follows.



ORACLE	[°] Analytics			Search All		•	O,	Administration	Help 💌	Sign Out	
Catalog					Home	Catalog	New 💌	Open 🔻	Signed In As	weblogic	Ŧ
+• ± ±	9 X 🖷 🖷	× ≓ • Lo	cation /Shared Folders		•						0
Folders My Folders Shared Fol FCRepo Reports	ders	Europed Merry	st Modified 2/5/20 11:30 AM Cre Upload Upload Brows Overwrite existing file	ated By weblogic		×					
Tasks											
늘 Shared Fold	ers										
Expand Celete Copy Paste	Constant Consta				1	Upload Cancel					

Click on Shared Folders, under the Tasks tab click on upload button, browse the FCReports.xdrz file and click on upload.

In Oracle Analytics Server v5.5 Enterprise, navigate to 'Shared Folders' and then to 'FCReports' folder. The screen displays the list of all available reports.

	Search All		•	0,	Administration	Help 💌	Sign Out 🚥
atalog		Home	Catalog	New 💌	Open 💌	Signed In As	weblogic 💌
+ → 土 土 ラ み 値	E X ₹ • Location /Shared Folders/FCReports	T					0
Folders My Folders Shared Folders FCReports Tasks FCReports	bcrendoc Last Modified 3/27/20 10.38 AM Created By weblogic Open Schedule Jobs Job History Edit More * bcrmthrr Last Modified 3/27/20 10.38 AM Created By weblogic bcrmthrr Open Schedule Jobs Job History Edit More * bcrobefr Last Modified 3/27/20 10.39 AM Created By weblogic Open Schedule Jobs Job History Edit More * bcrobtbp Last Modified 3/27/20 10:40 AM Created By weblogic Open Schedule Jobs Job History Edit More * bcrobudy Last Modified 3/27/20 10:40 AM Created By weblogic Open Schedule Jobs Job History Edit More *						^
Expand ∴ Upload Copy & Cut	bcrobuds Open Schedule Jobs Job History Edit More ▼ bcrobunp Last Modified 3/27/20 10:41 AM Created By weblogic Open Schedule Jobs Job History Edit More ▼						
Paste [] Rename Permissions I Properties C Export XLIF	bcrodacc Last Modified 3/27/20 10.41 AM Created By weblogic Open Schedule Jobs Job History Edit More * bcrodapp Last Modified 3/27/20 10.41 AM Created By weblogic Open Schedule Jobs Job History Edit More *						

In FCUBS properties Advice Type should be set to 'BIP' for displaying Branch Advice in PDF format

This completes the process of 'FCReports' folder creation.



1.3.4 Creating BI 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.

ORACLE [®] Analytics		Search All		•	0,	Administration	Help 💌	Sign Ou	t
Schedule Report Job			Home	Catalog	New 💌	Open 💌	Signed In As	weblogi	C . T
Overview General Created by weblogic Report Name Schedule Start immediately General Output Schedule Notification	Outputs Destination Notification						Return	Submit	0
Report	0,								^
▲ Parameters									v

ORACLE [®] BI Publisher Enterprise	Search All	-	Administration Help Sign Out Sign Out Help Sign Out Sign O
Schedule Report Job		Home Catalog	New • Open • Signed In As infra • Return Submit @
General Created by infra Outputs Report Name Destination Open Schedule Start immediately Notification	anaboon	×	Netwini Juonnit
General Output Schedule Notification Diagnostic	strstfee	^	
Report Shared Folders	stridger strubdta svracrep svradrep svradrep svradrep svradrep svradrep svradrep svradrep svradrep svradrep Svradr	Ÿ	
	strstfee	0	
		Open Cancel	

ORACLE [®] BI Publisher Enterpri	se Sear	ch All	w	°, A	dministration	Help 🔻 Sign Out 🚥
Schedule Report Job		Home	Catalog	New 🔻	Open 💌	Signed In As infra 🔻
✓ Overview General Created by infra Report Name /FCReports/strstfee.xdo Schedule Start immediately	Outputs View bursting definition Destination Notification					Return Submit
General Output Schedule Notification	Diagnostic					
Report /FCReports/strstfee.xdo	Q					
A Parameters						



 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.

ORACLE [®] Analytics	Search All	▼ Q Administratio	n Help 💌 😫	Sign Out 🚥
Schedule Report Job	Home	Catalog New T Open T	Signed In As w	weblogic 💌
Overview General Created by weblogic Outputs Report Name Destination Schedule Start immediately Notification General Output Schedule Notification Diagnostic			Return Si	ubmit
Use Bursting Definition to Determine Output & Delivery Destination Use XML Data Chunking Make Output Public Save Data for Republishing Compress output prior to delivery VOutput				^
No output available	mezone Calendar	Save Output		
Oestination You can add multiple destinations as you need. Destination Type Add Destination				-

- 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	@ ×
Report /FCReports/strstfee.xdo Parameters Schedule Start immediately Output View bursting definition Notification Trigger Data Model Trigger Name Trigger Retry Limit Trigger Pause Time Trigger Parameters	
Report Job Name PAD_StatementOfFees	
	OK Cancel
From whf00bzq.in.oracle.com:9502	
Job "PAD_StatementOfFees" successfully submitted	

1.3.5 Configuring BIP Currency

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

- Configure using xdo.cfg file
- Configure from Oracle Analytics 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'.

OK

Click to view the 'xdo.cfg' file.

1.3.5.2 Configuring Currency from BIP Server

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

1. Go to Oracle Analytics Server Web Server's Administration Console. Specify the user name and password and click 'Sign In' button to sign in. On successful login, the following screen is displayed.



DRACLE [®] Analyti	CS		Search All	•	Q Adminis	tration Help 💌	Sign Out
lome				Home Catalog	New 🔻 Open	▼ Signed In As	weblogic
Create	Recent						
Report	Reports						
Report Job					B		
Data Model							
More 🔻							_
Browse/Manage	msrtrsft Open Edit More ▼	msrtrpsx Open Edit More ▼	msrtrpex Open Edit More ▼	msrtrlrt Open Edit More ▼	msrtfsft Open Edit More ▼	msrtfpsx Open Edit More	msrtf Øper
Catalog Folders	Others						
Report Job History	cirplgbl Edit						
	Favorites Manage						
							>

Click the link 'Administration' on the top right of the screen. The following screen is displayed.

	Search All	•		0,	Administration	Help	v	Sign Out	
Administration	Home	Catalog	New	Ŧ	Open 💌	Signed	In As	weblogic	Ŧ
									^
Data Sources	System Maintenance								
JDBC Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection Content Server	Server Configuration Scheduler Configuration Scheduler Diagnostics 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 CUPS Server CuPS Server Content and Experience	Oracle BI Presentation Service	5							~

Click 'Currency Format' under 'Runtime Configuration'. The following screen is displayed.



	ics		Search All		v		Administration	Help 💌	Sign Out 🚥	0
Administration				Home	Catalog	New 💌	Open 🔻	Signed In As	weblogic 💌	
Administration > Currency Format									G)
Runtime Configuration										
Properties Font Mappings C	urrency Formats									
Currency Format										
Add Currency Format										
Currency Code	Format Mask	Delete								

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

		Search	All		Ŧ		0,	Administration	Help 💌	Sign	Out
Administration				Home	Ca	talog Nev	*	Open 💌	Signed In As	weble	ogic 🔻
Administration > Currency Format > Add Currency Format											0
Add Currency Format											
										Apply	Cancel
Currency Format											
	* Currency Code										
	* Format Mask										

Specify the currency code and the format mask. Click 'Apply' button. Once the changes for all currencies are made, restart the OBIEE server. This completes the process of currency configuration from BIP server.





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