Oracle Banking Trade Finance BIP Web Service Reports



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ORACLE

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Contents

1 Server Setup for Web Service Based BIP Reports

1.1	Introd	ductio	n	1-1
1.2	Prere	equisit	es	1-1
1.3	Deplo	oying	BIP Reports	1-1
	1.3.1	Setti	ng up BIP Server	1-1
	1.3.2	Setti	ng Up BIP Data Sources	1-3
	1.3.3	Crea	ting BI Publisher FCReports Folder	1-5
	1.3.4	Crea	ting BI Publisher Report Job	1-7
	1.3.5	Conf	iguring BIP Currency	1-9
	1.3	.5.1	Configuring Currency using 'xdo.cfg' file	1-9
	1.3	.5.2	Configuring Currency from BIP Server	1-9



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.

- Setting up BIP Server
- Setting Up BIP Data Sources
- Creating BI Publisher FCReports Folder
- Creating BI Publisher Report Job
- Configuring BIP Currency

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.

User ID Password Sign In	User ID Password
Sign In	
Ccessibility Mode	
	Accessibility Mode

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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	*	Q Adminis	tration Help *	Sign Out
lome				Home Catalog	New v Oper	w Signed In As w	weblogic *
Create	Recent						
Report	Reports						
Report Job		-		-		-	
Data Model							
More w							
Browse/Manage	msrtrsft Open Edit More v	msrtrpsx Open Edit More *	msrtrpex Open Edit More *	msrtrirt Open Edit More v	msrtfsft Open Edit More v	msrtfpsx Open Edit More *	Oper
Catalog Folders	Others						
Report Job History	Edit						
	Favorites Manage						
							>

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

The following screen is displayed.

ORACLE Analytics	Search All	*	0,	Administration	Help *	Sign Out	
Administration	Home	Catalog	New *	Open *	Signed In As	weblogic	
Data Sources JDBC Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection Content Server	System Maintenance Server Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuratio Manage Cache Manage Job Diagnostics L						^
Security Center Security Configuration Roses and Permissions Orginal Signature	Runtime Configuration Properties Fort Mappings Currency Formats						
Delivery Delivery Configuration Printer Fisc	Integration Oracle BI Presentation Ser	vices					I.
Email WebDAV HTTP FTP Content Server CUPS Server Content and Experience							v

Click 'Server Configuration' under 'System Maintenance'.



The following screen is displayed.

		Search /	a	٠			Q,	Administratio	Help 🔻		Sign Out	
Administration			Home	G	stalog	New	Ŧ	Open 🐨	Signed In a	As w	eblogic -	
Administration > Server Configuration											0	^
System Maintenance												
Server Configuration Scheduler Configuration Sche	duler Diagnostics Rep	ort Viewer Configuration Man	ige Cache Manage Job Dia	gnost	ics Log							
OTIP Any changes will only take effect after the application	n is restarted.									Apply	Cancel	
Catalog												
The Catalog contains all content such as reports and	data models.											
Catalog Type Oracle BI EE Catalog												
Server Version Connection protocol												
	Test Connection											
BI Publisher repository	/scratch/app/bipanls55/	/user_projects/domains/FC144AI	ALY/bidata/components/bipu	blishe	r/repository							
BI Search URL	http://whf00cfh.in.orac	le.com:9519/bisearch/rest/BISea	rchQueryService/search									
BI Search Group name	bisearch_ws											
BI Search Timeout (millisecond)	6000											
General Properties												
System Temporary Director	у											
Report Scalable Threshold	d											
Caching												
Cache Expiration (minutes)												
Cache Size Limit												
Maximum Cached Report Definitions												
Database Failover												
Number of Retries												
Retry Interval (seconds)												
Monitor and Audit												
	Enable Monitor and Audit											
Deployment Mode												
— 10	s 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.

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

ORACLE [®] Analytics	Search All	Ψ	C	Administration	Help *	Sign Out	-
Administration	Home	Catalog	New *	Open v	Signed In As	weblogic	Ŧ
Deta Sources JDBC Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection Content Server	System Maintenance Server Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration Manage Cache Manage Job Diagnostics Log						^
Security Center Socially Configuration Relate and Permissions Digital Signature	Runtime Configuration Properties Font Mappings Currency Formats						
Delivery Delivery Configuration Printer Fax Email WebDAV	Integration Oracle BI Presentation Service	•					ł
WebDAV HTTP FTP Content Server CUPS Server Content and Funktience							÷

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.

pen v Sign	ned In As 🛛 👐	veblogic

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

ORACLE Analytics		Search All		*	٩,	Administration	Help *	Sign Out
Administration			Home	Catalog	New *	Open *	Signed In As	weblogic *
Administration > JDBC > Add Data Source								Θ
Add Data Source								
							Ap	ply Cancel
General								
TIP Please make sure to install the required JDBC driver classes. TIP With Oracle Fusion Middleware Security Model, select the Use TIP Not all JDBC data sources support Data Gateway	system User checkbox to u	se the BI System User for	your BI Server Data	abase Connection	L.			
Data Source Name								
* Driver Type	Oracle 12c	•						
Database Driver Class	oracle.jdbc.OracleDriver							
Connection String	(txample: oracle jdbc.OracleDriver) jdbc:oracle:thin:@{host]:[j							
	jdbc:oracle:thin:@{host]:[j	port]:[sid]						
Use System User								
* Username								
Password								
Pre Process Function								
Post Process Function								
Client Certificate								
Use Proxy Authentication								
	Test Connection							
Backup Data Source								
STIP To enable access to a backup data source, please check the U	Ise Backup Data Source che	ckbox and enter the neces	sary connection inf	ormation.				
	-							
Use Backup Data Source Connection String								
Username								
Password								
	Test Connection							
Security								
Allow Guest Access								
Allowed User		Allowed Roles						
Available R Authentica			10.0	2				
Bi Consum	er M	>						
BI Content BI Dataloa	Author			-				
Bi Data Mc	idel Author Mo	ve All		*				
BI Service DV Consur	Administrator	4	3	e .				
DV Conten DV Conten	t Author Re	move						
		84						
	Rem	ove All						

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
 - AIN/<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:

Vame	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	R KR

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

Deploy this file as follows.

DRACLE' Analytics		Search All			٩	Administration	Help 👻	Sign Out	
atalog			Home	Catalog	New *	Open *	Signed In As	weblogic	
+• ± ± • & # #	× # • L	ocation /Shared Folders	•						0
Im My Folders Im Shared Folders Im FCReports Im Reports	FCReports Expand Mon	opioad		×					
asks									
Expand Lipload			ı	Jpload 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.

ORACLE' Analytics	Search All		*		0	Administration	Help *	Sign Out	t
Catalog	Hon	ne :	Catalog	New v	2	Open *	Signed In A	s weblogic	• •
+* ± ± 6 % # 1	Location /Shared Folders/FCReports	٠							0
Folders My Folders My Folders FCReports Reports	bcrendoc Last Modified 3/27/20 10.38 AM Created By weblogic Open Schedule Jobs Job History Edt More * bcrmithr Last Modified 3/27/20 10.38 AM Created By weblogic Open Schedule Jobs Job History Edt More * bcrobefr Last Modified 3/27/20 10.39 AM Created By weblogic Open Schedule Jobs Job History Edt More *								Î
Tasks FCReports ExpandUpload	bcrobtbp Last Modified 3/27/20 10:40 AM Created By weblogic Open Schedule Jobs Job History Edt More * bcrobuds Last Modified 3/27/20 10:40 AM Created By weblogic bcrobuds Last Modified 3/27/20 10:40 AM Created By weblogic								
Delete ⊥ Download	bcrobunp Last Modified 3/27/20 10.41 AM Created By weblogic bcrobunp Open Schedule Jobs Job History Edit More *								
Permissions Export XLIFF	bcrodacc Last Modfiled 32/270 10.41 AM. Created By weblogic Open Schedule Jobs Job History Edit More # bcrodapp Last Modfiled 32/270 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		v .	٩,	Administration	Help =	Sign Out	
Schedule Report Job			Home	Catalog	New *	Open w	Signed In As	weblogic	Ŧ
	Outputs Destination Notification						Return	Submit	Θ
Report	Q								^
∡ Parameters									
									I.

ORACLE [®] BI Publisher Enterprise		Search All	*	Q Administration	Help v Sign Out ····
Schedule Report Job			Home Catalog	New + Open +	Signed in As infra 🔻
# Overview					Return Submit
General Created by initia Outputs Report Name Destination Schedule Start Immediately Notification	Open		×		And a submit
General Output Schedule Hotification Diagnostic Report Q	Catalog My Folders My Folders Shared Folders Components	istration	^		
* Parameters	Components Enclosed Sample Life	strwbota svracrep svradrep	- B		
		svraorep			
		💼 svrcabli	~		
		Name			
		stratee Description			
		strstlee	0		
	-		Open Cancel		
		Search All		O Administration	Hain - Sinn Out
		Search All	w Home Catalog	Q Administration	
Schedule Report Job		Search All	w Home Catalog	Q Administration New ▼ Open	
Schedule Report Job		Search All			▼ Signed In As infra
Schedule Report Job A Overview General Created by Infla Outputs Report Name #CReports/stratise.xdo Destination	1	Search All			▼ Signed In As infra
Schedule Report Job General Created by Infra Report Name #CReports/stratise.xdo Schedule Start immediately Notification	1	Search All			

 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.

hedule Report	loh				Home	Catalog	New w	Open w	Signed In A	s weblogi	.c -
incluie Report o						<u></u>			5		
Report Name Schedule S	reated by weblogic tart immediately Schedule Notification	Outputs Destination Notification							Retur	n Submit	6
Use XML Data Chu		apar a Dearery Deau									1
Use XML Data Chu Make Output Publ Save Data for Rep Compress output	unking lic ublishing	igut a Diorry Dros									
Use XML Data Chu Make Output Publ Save Data for Rep Compress output 4 Output	unking lic ublishing	iput a Deerry Dree									
Use XML Data Chu Make Output Publ Save Data for Rep Compress output	unking lic ublishing	Format	Locale	Timezone	Calendar	s	ave Output				
Use XML Data Chu Make Output Publ Save Data for Rep Compress output Output	unking lic sublishing prior to delivery			Timezone	Calendar	5	ave Output				

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.



Submit		@ ×
Report /FCReports/s	trstfee.xdo	
Parameters		
Schedule Start immedi	ately	
Output View bursting	definition	
Notification		
Trigger Data Model		
Trigger Name		
Trigger Retry Limit		
Trigger Pause Time		
Trigger Parameters		
		OK Cancel
From whf00bzq.in.oracle.com:9	502	
Job "PAD_StatementOfFees" successful	y submitted	

4. The job will generate the Report output in in destination configured in report.

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
- Configuring Currency using 'xdo.cfg' file
- Configuring Currency 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'.

C lick 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



ORACLE Analyti	cs		Search All	*	् Adminis	tration Help +	Sign Out
Home				Home Catalog	New v Open	* Signed In As	weblogic *
Create	Recent						
Report	Reports						
Report Job		B	B			B	
Data Model							
Browse/Manage	msrtrsft Open Edit More v	msrtrpsx Open Edit More v	msrtrpex Open Edit More #	msrtrirt Open Edit More v	msrtfsft Open Edit More v	msrtfpsx Open Edit More •	rnsrti v Oper
Catalog Folders	Others						
Report Job History	Cirplgbl Edit						
	Favorites Manage						
٤							>

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

ORACLE' Analytics S	earch All v O, Administration Help v Sign Out ····
Administration	Home Catalog New v Open v Signed In As weblogic v
Data Sources JOBC Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection Content Server	System Maintenance Server Configuration Scheduler Diagnostics Report Viewer Configuration Manage Cache Manage Job Diagnostics Log
Security Center Security Configuration Roles and Permissions Digital Signature	Runtime Configuration Properties Fort Mappings Currency Formats
Delivery Delivery Configuration Printer Fax Email WebDAV HTTP FTP Content Server CutPS Server CutPS Server CutPS Server	Integration Oracle BI Presentation Services

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

ORACLE A	nalytics		Search All		Ŧ	9,	Administration	Help 🔻	Sign Out	***
Administration				Home	Catalog	New +	Open v	Signed In As	weblogic	Ŧ
Administration > Currency For	rmat									0
Runtime Configuration	on									
Properties Font Mappings	s Currency Formats									
Currency Format										
Add Currency Format										
Currency Code	Format Mask	Delete								



ORACLE Analytics		Search All		*	9	Administration	Help 🔻	Sign	Out ····
Administration			Home	Catalog	New +	Open 👻	Signed In As	webla	gic v
Administration > Currency Format > Add Currency Format									0
Add Currency Format									
								Apply	Cancel
Currency Format									
	* Currency Code								
	Format Mask								

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

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.

