BIP Web Service Reports Oracle Banking Trade Finance Release 14.5.4.0.0 Part No. F53381-01

[February] [2022]





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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 <sup>®</sup> Analytic	CS		Search All	•	<ul> <li>Adminis</li> </ul>	stration Help 💌	Sign Out
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Data Model							
More 💌							- 1
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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 💌	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.

		Search All	•	0,	Administration	Help 🔻	Sign Out	
Administration		Home	Catalog I	New 🔻	Open 💌	Signed In As	weblogic	*
Administration > Server Configuration								0 ^
System Maintenance								
Server Configuration Scheduler Configuration Sche	duler Diagnostics Report Viewer Configural	tion Manage Cache Manage Job Di	iagnostics Log					
STIP Any changes will only take effect after the application	n is restarted.							
						Ар	Cano	el
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/domai	ns/FC144ANALY/bidata/components/bip	oublisher/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 Director	y							
Report Scalable Threshol	d							
Caching								
Cache Expiration (minutes) Cache Size Limit								
Maximum Cached Report Definitions								
Database Failover								
Database Fallover								
Number of Retries								
Retry Interval (seconds)								
Monitor and Audit								
	Enable Monitor and Audit							
Deployment Mode								
	Cloud Enabled							
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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'.

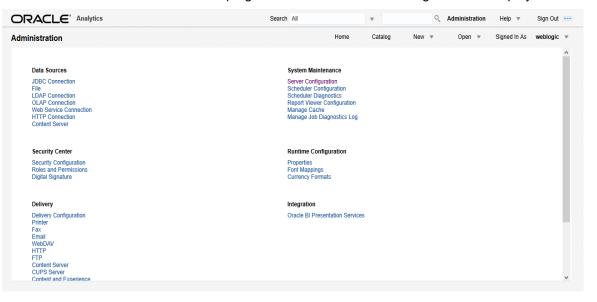
This completes the process of BIP service setup.

### 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.

Add Data Source	weblogic
Data Sources       JDBC       File     LDAP       OLAP     Web Services       HTTP       Content Server	
JDBC         File         LDAP         OLAP         Web Services         HTTP         Content Server           Add Data Source         Image: Content Server         Image	
Add Data Source	
Data Source Name         Connection String         Delete	
CBIP jdbc:oracle:thin:@//whf00bey.in.oracle.com:1524/FC144IUTPDB	
CBIPBPEL jdbc:orade:thin:@//whf00cgp.in.orade.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.

Instruction > JDBC > Add Data Source  d Data Source  Appy Cance  Peral  TP Prease make sure to install the required JDBC driver classes.  TP Vito all JDBC data sources support Data Galeway  * Data Source Name * Driver Type Oracle 12c  * Database Driver Class oracle JbC-OracleDriver * Connection Stripe * Database Driver Class oracle JbC-OracleDriver * Connection Stripe * User System User Persevors Function Per Process Function Gilent Certificate Use Proxy Autinentication Test Connection	<pre>whether &gt; 10cl &gt; 4d Data Source  // Concetion String // Database Driver Class // Database D</pre>			Search All		*	0,	Administration	Help 💌	Sign Out
d Data Source  real  TP Pice make make sure to instal the required JOEC system User checkbox to use the BI System User for your BI Server Database Connection.  TP Pice all JOEC data sources support Data Gateway  * Data Source  * Database Driver Class oracic jdic Contection tring * Dotabase Driver Class oracic jdic Contection tring * Data Source * Data Source * Data Source * Data Source Use Provo Standing * Data Source Use Backup Data Source, please check the Use Backup Data Source checkbox and enter the necessary connection information. Use Backup Data Source Use Backup Data Source * Source Connection String User Rase oracic information * Source Connection String * Source Connection String * Source Connection String * Source Connection String * Source Connection * Source Connect	the Data Source  tere tere tere tere tere tere tere	Administration			Home	Catalog	New 💌	Open 💌	Signed In As	weblogic
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Username   • Username   Password   Pre Process Function   Client Certificate   Use Proxy Authentidation   • Test Connection   ITP To enable access to a backup data source, please check the Use Backup Data Source   Connection String   Connection String   Use Backup Data Source	<pre>* Username Password Pres Process Function Client Certificate Use Proxy Authentication Test Connection Test Connection INTP To enable access to a backup data source, please check the Use Backup Data Source checkbox and enter the necessary connection information.</pre>									
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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

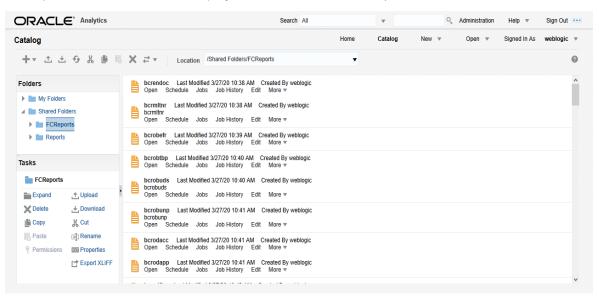
Deploy this file as follows.



ORACLE	<sup>°</sup> 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					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.



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 <sup>®</sup> Analytics		Search All		•	0,	Administration	Help 💌	Sign Ou	t
Schedule Report Job			Home	Catalog	New 💌	Open 💌	Signed In As	weblogi	C . Ŧ
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 <sup>®</sup> BI Publisher Enterprise	Search All	-	Administration Help  Sign Out  Sign Out  Help  Sign Out  Sign O
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		Open Cancel	

ORACLE <sup>®</sup> 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 <sup>®</sup> 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 <sup>®</sup> Analyti	CS		Search All	•	Q Adminis	tration Help 💌	Sign Out
lome				Home Catalog	New 🔻 Open	▼ Signed In As	weblogic
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Report	Reports						
Report Job					B		
Data Model							
More 🔻							_
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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
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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	Cata	alog New	Ŧ	Open 💌	Signed In As	weblo	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.





BIP Web Service Reports

[February] [2022] Version 14.5.4.0.0

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