# BIP Installation Guide Oracle Financial Services Lending and Leasing

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### 1. Preface

This document contains notes and installation steps needed to install and Configure Oracle BI Publisher. Oracle Financial Services Lending and Leasing relies on this software to configure reports and this document is in no way meant to replace Oracle documentation supplied with this Oracle product or available via Oracle technical support. The purpose of this document is only meant to supplement the Oracle documentation and to provide Oracle Financial Services Lending and Leasing specific installation instructions.

For recommendations on security configuration, refer Security Configuration Guide.

BI Publisher installation consists of the following steps.

- Installing BI Publisher
- Configuring BI Publisher
- Creating BI Publisher Datasource
- Importing Reports to BI Publisher Server
- Configure MDB Mail Server

### 1.1 <u>Prerequisites</u>

The following software are required to install Oracle Financial Services Lending and Leasing application and they are available from the following sources:

- Oracle Software Delivery Cloud (http://edelivery.oracle.com/)
- Oracle Technology Network (OTN)
- 1. JDK Version 1.8.0\_202 or above (<u>https://www.oracle.com/technetwork/java/javase/</u> <u>downloads/jdk8-downloads-2133151.html</u>)
- Oracle WebLogic Server 12c Version 12.2.1.3.0 (Fusion Middleware Infrastructure Installer) <u>http://www.oracle.com/technetwork/middleware/weblogic/downloads/wls-main-097127.html</u>
- 3. Oracle BI Publisher Version BI 12.2.1.3.0 / 12.2.1.4.0 http://www.oracle.com/technetwork/middleware/bi-publisher/downloads/index.html

#### Note

```
Please use all 64-bit software's for machine hosted with 64-bit O/S.
```

### 1.2 <u>Audience</u>

This document is intended for system administrators or application developers who are installing Oracle Financial Services Lending and Leasing Application.

### **Conventions Used**

Term	Refers to
Home Directory/	Oracle Financial Services Lending and Leasing Home
\$OFSLL_HOME	Directory



# 2. Installing BI Publisher

### 2.1 Installing BI Publisher

Follow the below steps to install BI publisher:

- 1. Download and unzip all the software related to OBIEE (2 zip files).
  - fmw\_12.2.1.3.0\_bi\_linux64\_Disk1\_1of2.zip
  - fmw\_12.2.1.3.0\_bi\_linux64\_Disk1\_2of2.zip
- 2. Navigate to bin file
- 3. Run ./bi\_platform-12.2.1.3.0\_linux64.bin
- 4. The following window is displayed.

Oracle Business Intelligence 12c - S	Step 1 of 8	
Welcome		
🧼 Welcome		
Auto Updates	Welcome to Oracle Business Intelligence 12c (12.2.1.3.0) Installer.	
unstallation Location	At any time during the installation, you can view the <u>Release Notes</u> for additional inform	nation.
Installation Type	Context sensitive help is available at any time by selecting <b>Help</b> .	
Prerequisite Checks		
Installation Summary		
Unstallation Progress		
0 Installation Complete		
	Copyright © 1999, 2017, Oracle and/or its affiliates. All rights reserved.	
Help	< <u>Back</u>	sh Cancel

5. Click 'Next'. The following window is displayed.



6. Select the option 'Skip Software Updates'.

Oracle Business Intelligence 12c	- Step 2 of 8			
Auto Updates				
Welcome     Auto Updates     Installation Location     Installation Type     Prerequisite Checks     Installation Summary     Installation Progress     Installation Complete	Skip <u>A</u> uto Updates Select patches from dii <u>L</u> ocation: Search <u>My</u> Oracle Supp <u>U</u> sername: Password: Proxy <u>Search</u>	rectory Fort for Updates	FUSION MIDDLEWARE	Browse Browse Test Connection
Help			< <u>B</u> ack <u>N</u> ext > Eir	ish Cancel

7. Click 'Next'. The following window is displayed.



8. Browse Oracle Middleware Home path (for example /u01/Middleware/ Weblogic12cHome) and click 'Next'.

Orac	cle Business Intelligence 12c	- Step 3 of 8		- • ×
Insta	allation Location			
We We	lcome	<u>O</u> racle Home:		
	to Updates	/u01/Middleware/Weblogic12cHome		▼ Browse
ins Ins	tallation Location	Feature Sets Installed At Selected Oracle Home: View		
<u>Ins</u>	tallation Type			
Pre Pre	erequisite Checks			
🖕 <u>Ins</u>	tallation Summary			
0 Ins	tallation Progress			
ပ် Ins	tallation Complete			
		<ul> <li>The or accertome y as 2 y magnetic extra cytecologic 2 certome time of installation.</li> <li>This page only shows Feature Sets installed at the selected Or It does not show Feature Sets installed anywhere else.</li> </ul>	acle Home.	
He	lp	<	Back Next > Ein	ish Cancel



9. Select the option 'BI Platform Distribution with Samples' and click 'Next'.

Oracle Business Intelligence 12c -	Step 4 of 8		- • ×
Installation Type			
Welcome     Auto Updates     Installation Location     Installation Type     Prerequisite Checks     Installation Summary     Installation Progress     Installation Complete	<ul> <li>BI Platform Distribution</li> <li>BI Platform Distribution with Samples</li> <li>bi.platform 12.2.1.3.0</li> <li>BI Platform Suite Configuration 12.2.1.3.0</li> <li>BI Putform 12.2.1.3.0</li> <li>BI Publisher 12.2.1.3.0</li> <li>BI EStbase 12.2.1.3.0</li> <li>BI Platform Core 12.2.1.3.0</li> <li>BI Platform Schema 12.2.1.3.0</li> <li>BI Platform Samples 12.2.1.3.0</li> </ul>		
Help		< <u>Back N</u> ext > Eini	sh Cancel

10. The following window is displayed. Click 'Next'.

Oracle Business Intelligence 12	c - Step 5 of 8	
Prerequisite Checks		Æ
Welcome		
Auto Updates	100%	
Installation Location Installation Type Prerequisite Checks Installation Summary Installation Progress Installation Complete	<ul> <li>Checking operating system certification</li> <li>Checking recommended operating system packages</li> <li>Checking kernel parameters</li> <li>Checking Recommended glibc version</li> <li>Checking physical memory</li> <li>Checking Java version used to launch the installer</li> <li>Checking Java version</li> </ul>	
	Stop       Berun       Skip       ✓ View Successful Tasks         ✓ Checking kernel parameters       ✓ Checking Recommended glibc version         ✓ Checking physical memory         ✓ Checking physical were not version	ViewLog
Help	<pre></pre>	Einish Cancel



11. The following window is displayed. Click 'Install'.



12. The following window is displayed. Click 'Next'.

Oracle Business Intelligence 12c	Step 7 of 8
Installation Progress	
Y Welcome	
4 Auto Updates	100%
U Installation Location	d Prenare
4 Installation Type	
Prerequisite Checks	Copy Cenerating Libraries
Unstallation Summary	Performing String Substitutions
Installation Progress	
Installation Complete	Setup
	Saving the inventory
	Post install scripts
	View Messages View Successful Tasks View Log
	Applications
	Driving Profitable Growth
Help	< <u>Back</u> <u>Next</u> <u>Finish</u> Cancel



13. Once the installation is complete click 'Finish' to close.





# 3. Configuring BI Publisher

After installing BI Publisher, the next step is to configure BIP.

#### To configure BIP

- 1. Launch configuration window and browse to \$BI\_HOME/bin (for example, BI\_HOME is / u01/Middleware/Weblogic12cHome/bi).
- 2. Run ./config.sh. The following window is displayed.

Oracle Business Intelligence 12c	Configuration Assistant - Step 1 of 9
Welcome	
Welcome Prerequisite Checks Define New Domain Database Details Port Management Initial Application Summary Configuration Progress Configuration Complete	Control of the configure of the components contained in <b>Oracle Business Intelligence</b> Control of the components contained in <b>Oracle Business Intelligence</b> Components on the Oracle Business Intelligence configuration section in the forder <i>Fusion Middleware Installation Cuide for Oracle Business Intelligence</i> Components on cheme  Components Intelligence Enterprise Edition  Business Intelligence Publisher  Components Intelligence Publisher  Components Intelligence Publisher  Components  Co
Help	< <u>Back</u> Next > Einish Cancel



3. Select the option 'Business Intelligence Publisher' and Click 'Next'.

Oracle Business Intelligence 12 Prerequisite Checks	: Configuration Assistant - Step 2		
Welcome			
Prerequisite Checks		100%	
Define New Domain	Checking operating	system certification	
Database Details	Checking recomme	nded operating system packages	
Port Management	Checking kernel pa	rameters	
Initial Application	Checking Recomme	ended glibc version	
Summary	Checking physical r	memory	
Configuration Progress	Checking Java versi	on used to launch the installer	
Configuration Complete			
	<u>Stop</u> <u>Rerun</u> <u>Skip</u>	View Successful <u>T</u> asks	View Log
		ters diglibc version	
	🕀 🛷 Checking physical memo	ory	
	🗄 🖽 🌱 Checking Java version us	sed to launch the installer	

#### 4. Click 'Next'. The following window is displayed.

Oracle Business Intelligence 12c C	nfiguration Assistant - Step 3 of 9
Define New Domain	
Define New Domain         Prerequisite Checks         Define New Domain         Database Details         Port Management         Initial Application         Summary         Configuration Progress         Configuration Complete	Demain Sine to basic unit of WebLogic administration. All BL components reside in ore domain. The domain needs a place to store files, and initial administrator credentials.   The domain files include configuration files, log files, and data files.   The redentials define the initial administrator account. For security reasons no other default accounts are created. Use this initial account to create inidvidual accounts for your users.   Domains Directory /u01/Middleware/Weblogic12CHome/user_projects/dom   Domain Name 0   Domain Home /u01/Middleware/Weblogic12CHome/user_projects/domains/bi   Demain Name (u01/Middleware/Weblogic12CHome/user_projects/domains/bi) Demain Home   Demain Name 0   Domain Rome 0   Domain Rome 0   Domain Home /u01/Middleware/Weblogic12CHome/user_projects/domains/bi   Demain Name (u01/Middleware/Weblogic12CHome/user_projects/domains/bi) Demain Home
Help	< <u>Back</u> <u>N</u> ext > <u>Finish</u> Cancel



5. Enter the User Name, Password and Domain Name for BI Publisher domain. Click 'Next'. The following window is displayed.

Oracle Business Intelligence 12c C	Configuration Assistant - Step 4 of 9			- 0 <b>- X</b>
Database Schema				
Velcome     Prerequisite Checks     Define New Domain     Database Details     Port Management     Initial Application     Summary     Configuration Progress     Configuration Complete	Database schemas are required fo schemas are distinct from any data The simplest option is to create ne schemas you created earlier using gives you aditional options, such a /u01/Middleware/Weblogic12cHo	r storage of interr a sources which y w database schem the Repository Cr is choosing tables me/oracle_comm OFSLL ••••• Oracle Database sys ••••• ofsII.in.oracle.com	nal housekeeping inform a ou plan to analyse in Bl. nas here. Alternatively you reation utility (RCU). Using paces. RCU is available in on/bin.	tion. These Can use existing RCU in advance directory
Help		[	< <u>B</u> ack <u>N</u> ext >	Einish Cancel

6. Select the option 'Create New Schema' and specify the Schema prefix, Schema password, database type, user name, password, simple connect string.



7. Click 'Next'. The following window is displayed.

	Dracle Business Intelligence 12c	Configuration Assistant - Step 5 of 9			- <b>O</b> X
Po	ort Range				
C	Welcome         Prerequisite Checks         Define NewDomain         Database Details         Port Management         Initial Application         Summary         Configuration Progress         Configuration Complete	Choose the port range for B Port Range Port Range Starting Port Port Range End Port	I and WLS processes to use	FUSION MIDDLEWARE	
	Help			< <u>Back N</u> ext > Eini	sh Cancel

#### 8. Click 'Next'. The following window is displayed.





9. Click 'Next'. The following window is displayed.

0	Oracle Business Intelligence 12c	c Configuration Assistant - Step 7 of 9		- 0 ×
Su	ummary			
Ψ	Welcome	· 🖃 Configure		-
	Prerequisite Checks Define New Domain	<ul> <li>■ Configuration</li> <li>■ Components</li> <li>BIP</li> </ul>		
Ĭ		BI Domain Name: bi		
ľΥ	Port Management	Domains Directory: /u01/Middleware/Weblogic12cHome/user_	projects/doi	nains
Ŷ	Initial Application	Admin server (HTTP port 7500, HTTPS 7501, internal 7504)		
9	Summary	Managed server (HTTP port 7502, HTTPS 7503, internal 7505)		
Ý	Configuration Progress	New schemas		
3	Configuration Complete	Database type: ORACLE		
		Connect string: ofsll.in.oracle.com:1521:ORCL		
		New RCU prefix: OFSLL		
		Port Management		
		Port range     Part range		
		Port range end: 7999		
		Application		
		SampleAppLite		
		Service Instance Key: ssi		
		Service Instance Limit: 1		
		Entry points		•
		Save Response File: Save		
		Click Save to generate a response file used for silent installation.		
	Help	<back next=""></back>	<u>C</u> onfigure	Cancel



Configuration Progres	55	
Welcome	Configuration Tools	
Prerequisite Checks	Name	Progress
Define New Domain	🗐 🖉 🖌 BI Configuration	100%
j 🖓 Database Details	Create default domains dir	Success
) Port Management	Create schemas using RCU	Success
	Create expanded domain	Success
- initial Application	BI Publisher (BIP)	Success
Summary	Complete domain	Success
Configuration Progress	Store port range	Success
Configuration Complete	Add default service instance	Success
	SampleAppLite	Success
	Store JMS credential	Success
	BI Startup	100%
	· I Ephogue	100%
	Configuration Log Location: /home/oracle/app/or	alnventory/logs/install2017-09-12_07-18-16PM.log
	🗄 🖌 BI Configuration	
	🕀 🖌 Bl Startup	
	🕀 🖌 Bl Epilogue	
Hele		Real News



11. Click 'Next'. The following window is displayed

Configuration Complet	e C		
9 Welcome	Domains Directory: /u01/Middleware/Weblogic12cHom	e/user projects/d	mains
Q Prerequisite Checks	Admin server (HTTP port 7500, HTTPS 7501, internal 75	504)	in ans
Define New Domain	Managed server (HTTP port 7502, HTTPS 7503, internal	7505)	
	Database		
🗘 Database Details	New schemas		
Port Management	Database type: ORACLE		[
 	Connect string: ofsll.in.oracle.com:1521:ORCL		
Summany	New RCU prefix: OFSLL		
Summary	Port Management		
<u>Configuration Progress</u>	Port range		
Configuration Complete	Port range start: 7500		
	Port range end: 7999		
	E Application		
	SampleAppLice		
	Service Instance Limit: 1		
	Webl ogic Console		
	http://ofsll.in.oracle.com:7500/console		
	Fusion Middleware Control		
	http://ofsll.in.oracle.com:7500/em		
	🖃 Bl Publisher		
	http://ofsll.in.oracle.com:7502/xmlpserver		
	Save this page: <u>S</u> ave		
	Click Save to generate a file containing the summary details.		
Help	< Back	Next > Fini	sh Cancel

- 12. Click 'Save' and save the Response File.
- 13. Click 'Finish'. The application will create a new domain for BI Publisher with the details as highlighted in the above screen.

### 3.1 Verifying Successful BIP Deployment

Successful BIP deployment can be verified by launching the BIP URL <u>http://hostname:<port>/</u><u>xmlpserver</u>.



# 4. Creating BI Publisher Datasource

To create BI Publisher Datasource, do the following:

- On BI Publisher Domain, create Data Source with JNDI as 'jdbc/ofsllbipdb' and select the appropriate database driver.
- Target the datasources to 'bi\_server1'

1. Access the weblogic console URL using http://hostname:<port>/console.

WebLogic Server A	Administra	ation Console 12c			e.								
Change Center	<u>ه</u> ۱	ione Log Out Preferences 🐼 Record Help	٩		Welcome, weblogic Connected to: bi								
View changes and restarts	Hon	re >Summary of Services >Summary of JDBC Data Source	s										
Click the Lock & Editbutton to modify, add or delete items in this domain.	do ar recissages Al changes have been activated. No restarts are necessary.												
Lock & Edit	Summary of JORC Data Sources												
Release Configuration	Configuration Monitoring												
Domain Structure b #-Donan Partitors #-Environment I-Deployments -B-serviron S-serviron S-serviron #-Serviron & Tolercoperability & Dagrostos	A J Thi P Cu Dat	A 2014 data source is in digictioned to the 2014 the that provides database connectivity through a pool of 2015 connections. Applications can bok up a data source on the 2014 the and the bornow a database connection from a data source. The page summaries the 2016 data source digits that have been created in the domain.  Contouries that balk Data Sources (Ritered - Hone Columns Exist) Column in the Columns Exist) Column in the Columns Exist)											
		ew ~ Delete	1224	Showing 1 to 8 of 8 Previous   Next									
		Name 🔅	Туре	JNDI Name	Targets								
House die T		biplatform_datasource	Generic	jdbc/BIPlatformDatasource	bi_cluster								
HOW GO L.	E	LocalSvcTbiDataSource	Generic	jdbc/LocalSvcTblDataSource	AdminServer								
Create JDBC generic data sources		mds-owsm	Generic	jdbc/mds/owsm	AdminServer, bi_duster								
Create JUBC Ground data sources     Create TDBC multi data environe	E	OFFIL BIP	Generic	jdbc/ofslbipdb	bi_server1								
Create UCP data sources		opsi-audit-0605	Generic	jdbc/AuditAppendDataSource	AdminServer, bi_duster								
Create Proxy data sources	E	opss-audit-viewOS	Generic	jdbc/AuditViewDataSource	AdminServer, bi_duster								
		opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, bi_duster								
System Status	E	WLSSchemaDataSource	Generic	jdbc/WLSSchemaDataSource	bi_duster								
Health of Running Servers as of 2:51 PM           Pailed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)	N	Delete			Showing I to 8 of 8 Previous   Next								

2. Launch <u>http://hostname:port/xmlpserver</u>. The following window is displayed.

Sign In Please enter username and p Username Password	servord
Liternane Pessiond	
Accessibility Mode 🛅	
Sign In	xo) 🗸



3. Login using the same credentials used for 'WebLogic administration' console login. The following window is displayed.

	r Enterprise	Se	earch All		्, Adm	inistration	Help 🔻	Sign Out
Home			Home	Catalog N	lew + 0	)pen v	Signed In As	weblogic +
Create	Recent							
Report	Reports							
Report Job	Others Favorites Manage							
Data Model								
More 👻								
Browse/Manage								
Catalog Folders Report Jobs Report Job History								

4. Click 'Administration' in the header section. The following window is displayed.

	Enterprise	Search All	v	0,	Administration	Help 🔻	Sign Out 🚥
Home		Home	Catalog Nev		Open 🔻	Signed In As	weblogic v
Create	Recent						
Report	Reports						
Report Job	Others						
	Favorites Manage						
Data Model More 🗸							
Browse/Manage							
Catalog Folders							
Report Job History							

5. Click 'JNDI Connection'.

ORACLE <sup>®</sup> BI Publisher Enterprise	Search C, Administration Help v Sign Out •••	
Administration	Home Catalog New v Open v Signed In As weblogic v	
Data Sources JDBC Connection HSDE Cognection FILS FLar Commentation W-PS Service Connection HTTP Connection HTTP Connection Content Server	Syntem Maintenance Server Configuration Benediate Configuration Benediate Disposition Report Viewer Configuration Marriage Job Disgnostica Log	
Security Center Security Configuration Roles and Permissions Digital Signature	Runtime Configuration Poperaes For Mappings Currency Formats	
Delivery Configuration Printer Fair Email WebCW/ HTTP FTP C DRP Server C DRP Server C DRP Server Document Cloud Services	Integration Oracle BI Presentation Senices	



6. The following window is displayed.

	se					Search All		v	C	Administration	Help v	Sign Out	
Administration							Home	Catalog	New +	Open 👻	Signed In As	weblogic	Ŧ
Administration > JNDI > Add Data Source													0
Confirmation Connection established successfully.													
Add Data Source													_
											Apr	oly Can	cel .
General											4	Apply	
											_		
	* Data Source Name	FLLReportsPool											
	* JNDI Name	idbc/ofsibiodb											
	Pre Process Function												
	Post Process Function												
		Use Proxy Authenticatio	n										
		Test Connection											
Security													
	Allow Guest Access	1971											
		Available Briles		Allowed Boles									
		BI Commerce				00							
		BI Content Author BI Service Administrator	Move			0							
			Move Al			0							
			٢			~							
			Remove										
			- Remove A		~								

- 7. Add the following details:
  - Specify Data Source Name as 'FLLReportsPool' and JNDI Name as 'jdbc/ofsllbipdb'.
- Under 'Security' section, select 'BI Author Role' and 'BI Consumer Role' from Available Roles and assign them as Allowed Roles.

#### Note

If "BI Author" and "BI Consumer" roles are not displayed in the 'Available Roles' section, you need to create the roles as explained in following 'Creating Roles' section.

8. Click 'Apply'.

### 4.1 <u>Creating Roles</u>

The following section details the steps to be followed to create "BI Author" and "BI Consumer" roles which are used to define security roles while creating Data Source on BI Publisher Domain.

#### To create WebLogic Application Role

- 1. Login to Enterprise Manager using the URL http://hostname:port/em.
- Select Weblogic Domain > Security > Application Roles as indicated in the following screen.

	🖕 WebLogic Domain 🔻									Sep 29, 2017 5:33:38 A	
1 Infc	Home	you own t	he edit sessio	n lock. To obta	in the lock, click	"Lock and	Edit" in the Change Cent	er menu.			×
Serve	Monitoring Diagnostics Control Logs	n Serve	r Name	AdminServer							
Clust	Environment Deployments JDBC Data Sources	•	Host Listen Port	ofsII. in 9600	.oracle.com						
	Messaging Cross Component Wiring Web Services	Create	🗙 Delete	Control -	Cluster	Mach	State	Health	Eis Po	CPU Usage (%)	Hea Usaç (Mi
Deplo	Other Services	r(admin)		1			Running	ок	96(	0.00	755.1
Doma	Refresh WebLogic Domain Security JNDI Browser System MBean Browser & Webl onic Sever Administration Console	*		Ť	bi_cluster	m	Running	OK.	96(	0.00	336.{
	Target Sitemap	c	olumns Hidden	34						Server	:s 2 of 2



3. In the Application Stripe field, select 'obi' from the drop-down list. The option 'BIServiceAdministrator' is added by default. Click 'Create'.

Application ro application. To manage Policy St Select an app	ion Roles les are the roles used e users and groups in t tore Provider	by security he WebLo	aware applications glc Domain, use the	that are specific to Oracle WebLogic:	the application. These roles are seeded by applications in single global policy store when the applications are registered. These are also application roles that are created in the context of end users <u>Server Security Provider</u> defined by this application. Lise the application strips to search if the application uses a strips that is different from the application pame
	Application	on Stripe	obi	•	
	R	ole Name	Starts With		•
View v	Create	Create Li	ke 🖋 Edit	🗙 Delete	G.
1	Ьġ				
Role Na	ame		Display Name		Description
BIServic	eAdministrator		BI Service Administ	trator	This role confers privileges required to administer a service instance.
.⊿ Membe	ership for BIServ	riceAdm	ninistrator		
Principal	Displ	lay Name	Туре	[	lescription
weblogic	weblo	ogic	User	1	his user is the default administrator.

- 4. Specify the following details:
  - Role Name
  - Display Name
  - Description

Create Application I Role (or Enterprise Role) is the General	Role group of users designed at the entreprise level and typically used to assign a privilege or permission. A tole can also contain other roles as members.	ок	Cancel
Application Stripe	06/		
* Role Name	BIConsumer		
Display Name	BIConsumer		
Description	The baselwei fold the dynabic the user access to be satisfing analyses, the bit more schedule automatical parts and an access to a state of the satisfing analyses, the for the run or schedule automatical parts and an area works and a state of the satisfiest and access the sati		
Members			
An application role may need to	be mapped to users or groups defined in enterprise LDAP server, or the role can be mapped to other application roles.		
View 👻 🕂 🕅 🗙	elete 🙀 Detach		
Name	Display Name Type		
No groups or application roles	added.		

5. Click 'Add' to add the application role to the members family. The same can later be mapped to required Users or Groups defined in Enterprise LDAP server, or the role can be mapped to other application roles.

Create Applicatio Role (or Enterprise Role) is General	n Role the group of users designed	d at the enterprise level and typically	used to assign a privilege or permission	: A role can also contain other roles as members.	OK Cancel
Add Principal					
Specify criteria to search and Search	select the application roles	that you want to grant permissions to	u.		
		Туре	User •		
		Principal Name	Starts With V		
		Display Name	Starts With Y		
Searched Principals					
View v 💮 Detach					
Principal	Display Name	Description			
LCMUser		This is the default service acc	count for WebLogic Server Lifecycle Man	ager configuration updates.	
OracleSystemUser		Oracle application software s	rystem user.		
weblogic		This user is the default admin	histrator.		
1.1.1					
a Advanced Option					
Check to enter principa	I name here instead of searc	thing from above. This option can be	used for advanced scenarios related to c	custom authenticators.	
					OK Cancel
					rij.



6. Add the Weblogic User by selecting "weblogic" in the 'Searched Principals' section and click 'OK'. The Weblogic User is added to the application role.



7. Click 'OK'. The new role is added to the list of application roles.

Application Roles			
Application roles are the roles used by a application.	security aware applications that are	specific to the application. These roles are seeded by applications in single global policy store when the applications are registered. These are also application roles that are created in the context of end user	s accessing the
To manage users and groups in the 1	WebLogic Domain, use the Oracle V	VebLogic Server Security Provider	
Policy Store Provider			
🖌 Search			
Select an application and enter a search	h keyword for the role name to sear	n for roles defined by thi 👍 pplication. Use the application stripe to search if the application uses a stripe that is different from the application name.	
Application :	Stripe obi	•	
Role	Name Starts With	<b>&gt;</b>	
View 👻 🎽 Create 🖹 Cre	eate Like 💉 Edit 🗙 Dei	EF EF	Detach
1			
Role Name	Display Name	Description	
BIServiceAdministrator	BI Service Administrator	This role confers privileges required to administer a service instance.	
BIConsumer	BIConsumer	The base-level role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing Bi Publisher reports, but not create any new ones.	
Membership for BiService	eAdministrator		
	Name Type	Description	
Principal Display			

#### **To Create WebLogic Application Policies**

- 1. Login to Enterprise Manager using the URL http://hostname:port/em.
- 2. Select Weblogic Domain > Security > Application Policies as indicated in the following screen:

t=	🚡 WebLogic Domain 👻			Apr 22, 2016 1:12:45 PM 15T 👌
1 Inf	Home			B C C C C C C C C C C C C C C C C C C C
An	Monitoring	•		
/Domain	Diagnostics	Þ		
Appli	Control	Þ		
Applicati	Logs	ions that are specific	c to the application.	These roles are seeded by applications in single global policy store when the applications are registered. These are also application roles that are created in the context of end users accessing the
🕼 To ma	Environment	▶ e the <u>Oracle WebLo</u>	aic Server Security F	tovider
Poli	Deployments			
⊿ Sea	JDBC Data Sources			
Select a	Messaging	hame to search for r	oles defined by this	application. Use the application stripe to search if the application uses a stripe that is different from the application name.
	Cross Component Wiring	+	•	
	Web Services	Þ-	•	
View	Other Services	t 🗙 Delete		📴 🗟 Detach
1	Administration	Þ		—
Po	Refresh WebLogic Domain		Descriptio	
BIS	Security	Security Realm	IS	fers privileges required to administer a service instance.
BIC	System MBean Browser	Users and Gro	ups	el role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing BI Publisher reports, but not create any new ones.
	WebLogic Server Administration Console	Credentials		
4 Ma	Target Sitemap	Security Provid	er Configuration	
- 1110	Target Information	Application Po	ides N	
Princip	ia ushlaaja	Application Ro	les la	
weblog	ic weblogic	Keystore		jaun aurimisa akki.
		System Policie	s	
		Audit Policy		
		. addr oney		J



3. In the Application Stripe field, select 'obi' from the drop-down list. Click 'Create'.

Application Policies Application policies are the authorization polici P To manage users and groups in the WebLo Policy Store Provider	ies that an application relies upon ogic Domain, use the <u>Oracle WebL</u>	for controlling access to its resources. oals Server Security Provider.				
⊿ Search						
Select an application and enter the search key	yword for principals or permission	s to query application security grants. Use the application stripe to search	if the application uses a strip	e that is different from the application name.		
Application Stripe	obi	•				
Principal Type	Application Role					
r meipar type						
Principal Name	Starts With •					
View 👻 🎽 Create Li	ike 🖋 Edit 💥 Delete					🖙 🗟 Detach
2						
Principal Di	isplay Name	Description				
BIServiceAdministrator BI	Service Administrator					
✓ Policies for BIServiceAdminis Permissions	trator					
Resource Name			Resource Type	Permission Actions	Permission Class	Permission Set
oracle.bl.publisher.administerServer			oracle.bi.publisher.permi	_all_		bip.administrator

4. In 'Create Application Grant' screen, under the Grantee section, click 'Add'.

Created papilication Created particles of particles and status a permission of the specification Single							
er mangen en genecale pares pares a parecale games and a permasion on the Application Spine of the spin-ture games and a permasion on the Service parese (user, group or application role) you want to the policy. Ver v → ↓ Application Spine of the policy of the policy of the spine of	Create Application	Grant	e e constructor de 14				OK Car
Applications store         obi           Stante         Sta	or managing an application	policy, select a particular grantee and attach	a permission to it.				
Selection role you want to be policy           Mare roup a galaction role you want to be policy           Name Dipley Name Type Description           Notester roup a galaction role you want to be policy           Notester roup a galaction role you want to be policy	Application Stripe obi						
BeecKer group on application roles you want a data the policy in a segment and the policy of the pol	Grantee						
View v       Image: Balance Ba	Select the grantees (user, gr	oup or application role) you want to add to th	e policy.				
Name     Normality     Opposity     Opposity       Normality     Normality     Normality     Normality	View - + Add )	Collete 🔐 Detach					
No users or groups added       Permission       Select tom permissions and resources used in this application. Enter search for right permissions.       View → 4.od // fat_ × 0.obtion_ jgt Detech       Permission Class     Resource Name       No permissions added.	Name	Display Name	Туре	Description			
Permissions         Call	No users or groups added.						
Permission Selection permissions and resources used in this application. Enter search stringhy permission. Ver ≠ + Ad							
Permissions           Select tom permissions and resources used in his application. Enter search offinia to search offinia to search for right permissions.           Verw v         4 Add         / Cat.         XD betto.         Re Permission           Permission Class         Resource Name         Re Permission         Permission           No permissions added.         Image: Class Search Class         Image: Class Search Class Sear							
Select Change permissions and resources used in this application. Exter search for right permissions. Ver + Add / EdL / Detach Permission Class Resource Name Resource	ermissions						
Vew + Add / EdL / Dolesh     Detech       Permission Class     Resource Name     Re Permission Typ Actions       No permissions added	Select from permissions an	d resources used in this application. Enter se	earch criteria to search for r	ight permissions.			
Permission Class         Resource Name         Re Permission Typ Actions         Permission           No permissions added.         Image: Class of the permission of the permissio	View 👻 🕂 Add 🥖	Edit 💥 Delete 😭 Detach					
No permissions added.	Permission Class				Resource Name	Re Permission Tyj Actions	Permission :
	No permissions added.						

5. Select the newly created application role from the list and click 'OK'. The new role is added to the list.

Create Application Grant For managing an application policy, select a particular granted	and attach a permission to it.				ок с	ancel
Application Stripe ob Grante Beect the grantees (user, group or application role) you war Verv w + Ad	Add Principal Specify criteria to search and se & Search Searched Principals	lect the application roles that y Type Applicat Principal Name Starts V Display Name Starts V	ou want lo grant permissions to.			
View 👻 🕂 Add 🥒 Edit 🗙 Delete	View v 🔡 Detach					
Permission Class	Principal	Display Name	Description	Re Permission Tyj Actions	Permission	n Set
No permissions added.	anonymous-role authenticated-role	Anonymous Role Authenticated Role	The base-level role that grants the user access to existing analyses, dashboards and agents, allows them			
	BIServiceAdministrator	BI Service Administrator	to run or schedule existing BI Publisher reports, but not create any new ones.			
			OK Cancel			



6. In the 'Permissions' section, click 'Add'.

Create Application Grant For managing an application policy, sele	ect a particular grantee and attac	h a permission to it.				ок	Cancel
Application Stripe obi							
Grantee							
Select the grantees (user, group or app	lication role) you want to add to I	the policy.					
View v + Add × Delete	Detach						
Name	Display Name	Туре	Description				
BIConsumer	BIConsumer	Application Role	The base-level role that grants the user access to existing analyses,	dashboards and agents, allows them to run or schedule e:	xisting BI Publisher reports, but not create a	any new ones.	
Permissions Select from permissions and resource View v + Add / Edit	s used in this application. Enter X Delete 🔐 Detach	search criteria to search for righ	t permissions.				
Permission Class				Resource Name	Re Permission Tyj Actions	Permissi	on Set
No permissions added.							

7. In the search criteria, select 'Resource Type' and select the resource type from the dropdown list. Select the required resource from the search results and click 'Continue'.

Create Application Grant	a particular grantee and attach :	a permission to	t.				OK Cancel
Application Stripe obi			Add Permission		×		
Grantee Select the grantees (user, group or applic View * + Add × Detete Name BiConsumer	ation role) you want to add to the Detach Display Name BIConsumer	e policy. <b>Type</b> Applic	Select from permissions and resources us A Search Permissions Resource Types Resource Type Resource Name Starts With	ed in this application. Enter search criteria t blisher.permission	to search for right permissions.	m to run or schedule existing BI Publisher reports, but not or	safe any new ones.
Permissions			Search Results				
Select from permissions and resources i	ised in this application. Enter se	earch criteria to s	Resource Name	Display Name	Description		
Permission Class	, Devele ggj Detacu		oracle.bl.publisher.accessExcercepo oracle.bl.publisher.accessConlineRep oracle.bl.publisher.accessReportOut.	BIP Access Excer Report Analyzer BIP Access Online Report Analyzer BIP Access Report Output		Re Permissic Tyj Actions	n Permission Set
No permissions added.			oracle.bi.publisher.administerServer	BIP Administer Server			
			oracle.bi.publisher.developDataModel	BIP Develop Data Model			
			oracle.bl.publisher.developReport	BIP Develop Report			
			oracle.bi.publisher.runReportOnline	BIP Run Report Online			
			oracle.bi.publisher.scheduleReport	BIP Schedule Report			
			IP Continue to go to next step if you	I want to enter policy details.			
					Continue Cancel		

8. Define the required permission(s) for the application role by selecting the appropriate Permission Class and Permissions Actions check box. Click 'Select'.

Create Application Grant	lect a particular grantee and attact	h a permission to it.				OK Cancel
Application Stripe obi						
Grantee						
Select the grantees (user, group or ap	plication role) you want to add to t	he policy.				
View 👻 🕂 Add 🗙 Delete.	🔄 Detach					
Name	Display Name	Туре	Descrip	Add Permission	<	
BIConsumer	BIConsumer	Application Role	The bas		rds and agents, allows them to run or schedule	e existing BI Publisher reports, but not create any new ones.
				⊿ Customize		
Permissions Select from permissions and resource View + + Ad / Edit Permission Class No permissions added.	as used in this application. Enter:	search criteria to search for rigi	ht permission	Permission CLBss Resource hype Resource Name Permission (V, Au Actions (V, Au	Resource Name	Re Permission Permission Set Tyj Actions
				Back Select Cancel		

9. The selected permissions are defined to the application role. Similarly you can define the required permissions for other application roles.

Creat For man	e Application Grant aging an application policy, sele	ct a particular grantee and attaci	n a permission to it.				OK Cancel
Applica	tion Stripe obi						
Grantee							
Select t	ne grantees (user, group or appl	ication role) you want to add to t	ne policy.				
View	▼ + Add × Delete	🗑 Detach					
Na	me	Display Name	Туре	Description			
BK	Consumer	BIConsumer	Application Role	The base-level role that grants the user access to existing analys	ses, dashboards and agents, allows them to run or schedule existing BI Pub	lisher reports, but not create a	iny new ones.
Select 1 View	rom permissions and resources	used in this application. Enter a	search criteria to search for right	permissions.			
Per	mission Class				Resource Name	Re Permission Tyj Actions	Permission Set
ero	de.security.jps.ResourcePermis	sion			oracle.bi.publisher.accessOnlineReportAnalyzer	ora _all_	
ora	de.security.jps.ResourcePermis	sion			oracle.bi.publisher.runReportOnline	ora _all_	
ora	de.security.jps.ResourcePermis	sion			oracle.bi.publisher.accessExcelReportAnalyzer	ora _all_	



#### 10. Once done, click 'OK'.

Application Policies Application policies are the authoriz & To manage users and groups in Policy Store Provider	tation policies that an application relies the WebLogic Domain, use the <u>Gracte I</u>	upon for controlling access to its resources. WebLogic Server Security Provider.				
⊿ Search						
Select an application and enter the	search keyword for principals or permi	issions to query application security grants. Use the appli	cation stripe to search if the application uses a stripe	e that is different from the application i	name.	
Applicat	ion Stripe obi	•				
Prin	cipal Type Application Role					
Princi	Ipal Name Starts With 💌	•				
View 👻 📲 Create 📲	Create Like 🖋 Edit 🗙 De	olete				🖙 🗟 Detach
1						
Principal	Display Name	Description				
BIConsumer	BlConsumer					
BIServiceAdministrator	BI Service Administrator					
Policies for BIConsum Permissions	ter					
Resource Name			Resource Type	Permission Actions	Permission Class	Permission Set
oracle.bi.publisher.runReportOnlin	10		oracle.bi.publisher.permi	_all_	oracle.securityjps.ResourcePermission	
oracle.bi.publisher.accessOnlineF	ReportAnalyzer		oracle.bi.publisher.permi	_all_	oracle.securityjps.ResourcePermission	
oracle.bi.publisher.accessExcelRe	eportAnalyzer		oracle.bi.publisher.permi	_all_	oracle.securityjps.ResourcePermission	



# 5. Importing Reports to BI Publisher Server

To import ofsll application reports to BI Publisher Server, do the following:

- 1. Copy and extract the OFSLLReports.zip file to staging area.
- 2. Launch the Oracle Business Intelligence Publisher Application using http:// hostname:port/xmlpserver
- 3. Login with valid credentials.

ORACLE <sup>®</sup> BI Publisher Enterprise	
	Sign In Please enter username and password
	Password
	Accessibility Mode
	Sign In
	First (United States)

4. Following window is displayed. Click on 'Catalog Folders' on the left pane.

Home		Home	Catalog	New *	Open 🔻	Signed In As	weblogic
Create	Recent						
Report	Reports						
Report Job	Others						
Data Model	Favorites manage						
More +							
Browse/Manage							
Catalog Folders 🌀 Report Jobs							
Report Job History							



5. Click on 'Shared Folders' option and then click 'Upload'.



 The following window is displayed. Browse to the location where the oracle.xdrz file is saved. Click the 'Overwrite Existing File' check box if you are overwriting an existing directory.

ORACLE	BI Publisher E	Enterprise Search All			0	, Administration	Help 💌	Sign Out	
Catalog			Home	Catalog	New 🔻	Open 🔻	Signed in As	weblogic	
+* 🖭 🖄	9 % ± 1	a × ≓ ▼ Location	/Shared Folders			<u>.</u>			0
Folders		Components Last Mo Expand More *	dified 3/22/16 2:45	AM Created B	ly				
My Folders	ders	Upload				×			
F Compone	ents	Upload Bro	No file se	elected.					
E Shared Folde	rs					_			
Expand Delete Copy	Upload     Download     Download     Cut     Disename     Properties     Export XLIFF				Upload	Cancel			



7. Click on 'Upload'.



8. The following window is displayed.

	Enterprise Search All	•	्, Admir	istration	Help 🔻	Sign Out	-
Catalog	Home	Catalog	New <b>#</b> Op	en 🔻	Signed in As	weblogic	×
+* ± ± 9 % @ 1	Location /Shared Folders			ŀ			0
Folders	Components Last Modified 3/22/16 2:4 Expand More #	5 AM Created By					
My Folders	Upload		×				
Components Tasks	Upload Browse No file s Overwrite existing file  Uploading	elected.					
Shared Folders	1						
Expand ∴Upload     Delete ∴Download     Copy    Cut     Paste :: Rename     Permissions :: Properties     L' Expert XLIFF			Uppad Cancel				
Naiting for 10.184.86.242							



9. Once the upload is completed, click any folder to see the list of reports under the directory. The following window is displayed.

Catalog	Home Catalog New * Open * Sign	ned in As weblogic 💌
+* 土土 5 米 🖷 🖷	X Z V Location /Shared Folders/oracle/fil/xmip/reports	0
Folders	corgen_em_100_01 Last Modified 3/22/16 2:49 AM Created By weblogic corgen_em_100_01 Open Schedule Jobs Job History Edit More ♥	(
Shared Folders     Components     Transformed and the second	objrpt_em_100_01 Last Modified 3/22/16 2/49 AM Created By weblogic Batch Jobs Report Open Schedule Jobs Job History Edit More *	
a 🖿 til a 🖿 xmip	ocobnk_em_100_01 Last Modified 3/22/16 2:49 AM Created By weblogic ocobnk_em_100_01 Open Schedule Jobs Job History Edit More •	
Tasks	ccccol_em_100_01 Last Modified 3/22/16 2:49 AM Created By weblogic ccccol_em_100_01 Open Schedule Jobs Job History Edit More ♥	
Expand 1 Upload	occcol_em_100_02 Last Modified 3/22/16 2:49 AM Created By weblogic occcol_em_100_02 Open Schedule Jobs Job History Edit More *	
Copy & Cut	Coccol_em_100_03 Last Modified 3/22/16 2:49 AM Created By weblogic occocl_em_100_03 Open Schedule Jobs Job History Edit More ▼	
Permissions I Properties	coccol_em_100_04 Last Modified 3/22/16 2:49 AM Created By weblogic occool_em_100_04 Open Schedule Jobs Job History Edit More *	



# 6. Configure MDB Mail Server

Refer to the following instructions to configure the MDB email server. This is required for outbound email communications.

1. Launch the Oracle Business Intelligence (BI) Publisher application (http://hostname:port/ xmlpserver). The following window is displayed.

ORACLE <sup>®</sup> BI Publisher Enterprise	9
	Sign In Please enter username and password Username
	Password
	Accessibility Mode
	English (United States)

2. Login using the valid credentials. The following window is displayed.

	Enterprise Search All		•	0,	Administration	Help 🔻	Sign Out	
Home		Home	Catalog	New 💌	Open 🔻	Signed In As	weblogic	•
Create	Recent							
Report	Reports							
	Others							
Report Job	Favorites Manage							
Data Model								
More 👻								
Browse/Manage								
Catalog Folders								
Report Jobs								



3. Click 'Administration'. The following window is displayed.

ORACLE <sup>®</sup> BI Publisher Enterprise Search All	I	•	0,	Administration	Help 💌	Sign Out	
Administration	Home	Catalog	New 💌	Open 💌	Signed In As	weblogic	Ŧ
Data Sources	System	Maintenance					^
JDBC Connection JNDI Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection	Server C Schedul Schedul Report V Manage	Configuration er Configuration er Diagnostics /iewer Configuration Cache	on				
Security Center	Runtime	e Configuration					
Security Configuration Roles and Permissions Digital Signature	Propertie Font Maj Currence	es ppings y Formats					Ξ
Delivery	Integrati	ion					
Delivery Configuration Printer Fax Email WebCAV HTTP FTP Content Server CUPS Server	Oracle B	I Presentation Ser	vices				
							~

4. Click 'Email'. The following window is displayed.

ORACLE	Bl Publish	er Ent	erprise	Search	All						0,	Administration	Help 🔻	Sign Out	
Administration							Home	Ca	alog	New	•	Open 💌	Signed In As	weblogic	•
Administration > Email Delivery Delivery Configuration	Printer	Fax	Email	WebDAV	HTTP	FTP	Content	Server	CUPS S	Server					0
Server Name Add Server Add Server	ver	Host					Port				De	lete			

5. Click 'Add Server'. The following window is displayed.

	er Enterprise Search	All	•		<u></u> , А	dministration	Help	Ŧ	Sign Out	
Administration		Home	Catalog	New	•	Open 🔻	Signed	In As	weblogic	•
Administration > Email > Add Server										0
Confirmation Connection established successfull	y.									
Add Server										
						Test Conne	ection	Apply	Can	icel
General									28.52	
* Server Name	ofsll.in.oracle.com		* Host	ofsll.in.oracl	e.com					
Port	25	Secure 0	Connection	None	-					
Security										
Username			Password							

6. Specify the Server details (server name, host, and port number) and click 'Test Connection'. On completion, a confirmation message is displayed as indicated.



7. Click 'Apply'. The following window is displayed.

	her Enterprise Search All	v	<ul> <li>Adminis</li> </ul>	tration Help 🔻	Sign Out
Administration		Home Catalog	New 🔻 Ope	n 🔻 Signed In As	weblogic 💌
Administration > Email > Add Server					0
Add Server			Т	est Connection Apply	Cancel
General					Apply
* Server Name Port	ofsll.in.oracle.com 25	* Host Secure Connection	ofsll.in.oracle.com		
Security			·		
Security					
Username		Password			

8. The MDB email server is successfully added as indicated.

	Enterprise Search	All	•	Q Administration	Help 💌	Sign Out
Administration		Home	Catalog New	▼ Open ▼	Signed In As	weblogic 💌
Administration > Email						0
Delivery						
Delivery Configuration Printer Fa	ax Email WebDAV	HTTP FTP Content Se	erver CUPS Server			
Server Name H	lost	Port		Delete		
ofsll.in.oracle.com of	fsll.in.oracle.com	25		Û		
Add Server						

