BIP Installation Guide Oracle Financial Services Lending and Leasing

Release 14.3.1.0.0

Part No. E82458-01

March 2017



BIP Installation Guide March 2017 Oracle Financial Services Software Limited

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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 Unique BI Publisher User
- 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. Sun JDK Version 1.8.0_66 or above (<u>http://www.oracle.com/technetwork/java/javase/</u> <u>downloads/index.html</u>)
- 2. Oracle WebLogic Server 12c Version 12.2.1.0.0 <u>http://www.oracle.com/technetwork/middleware/weblogic/downloads/wls-main-097127.html</u>)
- 3. Oracle BI Publisher Version BI 12.2.1.0.0 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_12.2.1.0.0_bi_linux64_Disk1_1of2.zip
 - fmw_12.2.1.0.0_bi_linux64_Disk1_2of2.zip
- 2. Navigate to bin file
- 3. Run ./bi_platform-12.2.1.0.0_linux64.bin
- 4. The following window is displayed.

	Oracle Business Intelligence 12c - Step 1 of 8 ×
Welcome	
Velcome Auto Updates Installation Location Installation Type Prerequisite Checks Installation Summary Installation Progress Installation Complete	Welcome to Oracle Business Intelligence 12c (12.2.1.0.0) Installer . At any time during the installation, you can view the <u>Release Notes</u> for additional information. Context sensitive help is available at any time by selecting Help .
Help	< <u>Back</u> <u>Next</u> > <u>Einish</u> Cancel

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



6. Select the option 'Skip Software Updates' and click 'Next'. The following window is displayed.

	Oracle Business Intelligence	12c - Step 2 of 8 ×
Auto Updates		
Welcome	:	
Auto Updates	Skip <u>A</u> uto Updates	
Installation Location	 Select patches from <u>directory</u> 	
Installation Type	Location;	Browse
Prerequisite Checks	O Search My Oracle Support for Updates	
Installation Summary	Username:	
Installation Progress	Password:	
i Installation Complete		
	Proxy Settings	Test Connection
	Search	
Help		<gack next=""> Einish Cancel</gack>



7. Browse Oracle Middleware Home path as /u01/Middleware/Weblogic12cHome.

•	Oracle Business Intelligence 12c - Step 3	of 8	_ ×
Installation Location			
Y Welcome	<u>Q</u> racle Home:		
4 Auto Updates	/u01/Middleware/Weblogic12cHome		▼ 8rowse
Installation Location	Feature Sets Installed At Selected Oracle Home: View		
Installation Type			
Prerequisite Checks			
Installation Summary			
Installation Progress			
🖞 Installation Complete			
	Oracle Home may only contain alphanumeric, underscore i begin with an alphanumeric character.	(_), hyphen (-) or dot(.) charac	ters and it must
Help		< <u>B</u> ack Next > Eir	ish Cancel

8. Select the option 'BI Platform Distribution with Samples' and Click 'Next'.





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

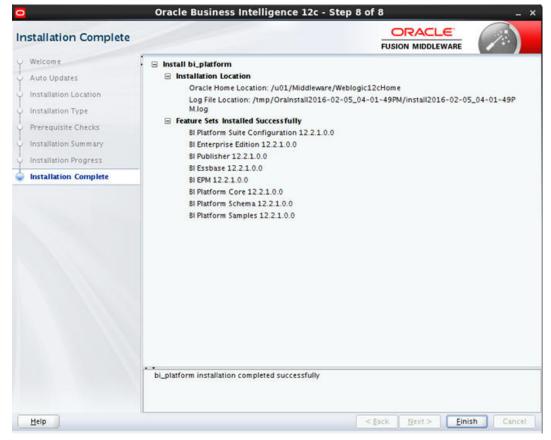
erequisite Checks	1		
Auto Updates	1	100%	
Installation Location	-		
	1	Checking operating system certification	
Installation Type	1	Checking recommended operating system packages	
Prerequisite Checks	×	Checking kernel parameters	
Installation Summary	1	Checking Recommended glibc version	
Installation Progress	1	Checking physical memory	
Installation Complete	1	Checking Java version used to launch the installer	
Helb		ecking physical memory ecking Java version used to launch the installer Sack Next >	Finish Cance
stallation Summary	Orac	le Business Intelligence 12c - Step 6 of 8	
	_		
Welcome	1 😑 Insta	ORACL	
Welcome Auto Updates	1 😑 Insta		
Welcome Auto Updates Installation Location	1 😑 Insta	FUSION MIDDLEW all bi_platform Installation Location Oracle Home Location: /u01/Middleware/Weblogic12cHome Log File Location: /tmp/Oralnstall2016-01-25_04-16-50PM/install2016	ARE
Welcome Auto Updates Installation Location Installation Type	i — Insta	FUSION MIDDLEW	ARE
Welcome Auto Updates Installation Location Installation Type Prerequisite Checks	i — Insta	Installation Location Oracle Home Location: /u01/Middleware/Weblogic12cHome Log File Location: /u01/Middleware/Weblogic12cHome Log File Location: /tmp/Oralnstall2016-01-25_04-16-50PM/install2016 M.log Disk Space Required: 6740 M8	ARE
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Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Installation Summary Installation Progress		Lister Constant Const	ARE
Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Installation Summary Installation Progress	Save	Log File Location: /u01/Middleware/Weblogic12cHome Log File Location: /u01/Middleware/Weblogic12cHome Log File Location: /u01/Middleware/Weblogic12cHome Log File Location: /u01/Middleware/Weblogic12cHome Cost Space Required: 6740 M8 Available: 32647 M8 Frature Sets to Install B Platform Suite Configuration 12.2.1.0.0 B Platform Suite Configuration 12.2.1.0.0 B Publisher 12.2.1.0.0 B EPM 12.2.1.0.0 B Platform Core 12.2.1.0.0 B Platform Schema 12.2.1.0.0	ARE



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

	Orac	cle Business Intelligence 12c - Step 7 of 8 ×
Installation Progress		
Y Welcome		100%
Auto Updates Installation Location		Prepare
Installation Type		Сору
Prerequisite Checks	4	Generating Libraries
Installation Progress	1	Performing String Substitutions
Installation Complete	1	Linking
- Andrew Compress	×	Setup
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Saving the inventory Post install scripts
	Viev	wMessages ✓ View Successful Tasks View Log Applications Driving Profitable Growth
Help		<gack next=""> Einish Cancel</gack>

11. Once the installation is complete click 'Next' and then 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 (BI_HOME is //u01/ Middleware/Weblogic12cHome/bi).
- 2. Run ./config.sh. The following window is displayed.

N	elcome	
è	Welcome	Welcome to Oracle Business Intelligence 12c 12.2.1.0.0 Configuration
2	Prerequisite Checks	
5	Define New Domain	You are about to configure the components contained in Oracle Business Intelligence Enterprise Edition. At any time during the configuration, you can view the Release Notes and
5	Database Details	Quick Tour for additional information. Context-sensitive help is available by clicking Help.
Į.	Port Management	For more information, refer to the Oracle Business Intelligence configuration section in the
ļ	Initial Application	Oracle Fusion Middleware Installation Guide for Oracle Business Intelligence.
	Summary	
ļ	Configuration Progress	Components to include
5	Configuration Complete	 Essbase Business Intelligence Enterprise Edition Business Intelligence Publisher
-	Help	< gack Next > Einish Cance



3. 8	Select the option	'Business	Intelligence	Publisher'	and Click	'Next'
------	-------------------	-----------	--------------	------------	-----------	--------

erequisite Checks				(\nearrow)
Welcome				
Prerequisite Checks	1	100	8	
Define New Domain		10		
Database Details	1	Checking operating system certification		
Port Management	-	Checking recommended operating system page	kages	
Initial Application	v	Checking kernel parameters		
Summary	1	Checking Recommended glibc version		
Configuration Progress	1	Checking physical memory		
Configuration Complete	1	Checking Java version used to launch the insta	iller	
	Stop	Berun Skip View	Successful <u>T</u> asks	ViewLog

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

fine New Domain				i (7.
Vercome : rerequisite Checks Define New Domain Parabase Details Fort Management Initial Application ummary Configuration Progress Configuration Complete	domain. The domain n The domain files inclu The credentials define accounts are created. Location of new dom Domains Directory Domain Name	eeds a place to store files, de configuration files, log f the initial administrator ac Use this initial account to c ain //u01/Middleware/Weblog bi	tration. All BI components resid and initial administrator credent iles, and data files. count. For security reasons no c reate inidvidual accounts for yo ic12cHome/user_projects/dom	ials. hther default ur users. Browse
	Credentials for new o Username Password Confirm Password	weblogic		
Help			< Back Next >	Hnish Ca



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

Oracle Bu	siness Intelligence 12c Config	uration Assistant - Step 4 of 9	_ ×
Database Schema			
Welcome Prerequisite Checks Define New Domain Database Details Port Management Initial Application Summary Configuration Progress Configuration Complete	schemas are distinct from any dat The simplest option is to create ne schemas you created earlier using gives you aditional options, such /u01/Middleware/Weblogic12cHo @ Create new schemas Schema prefix Schema password Confirm schema password Database type Username Password	or storage of internal housekeeping information. These a sources which you plan to analyse in Bl. ew database schemas here. Alternatively you can use existi the Repository Creation utility (RCU). Using RCU in advan- as choosing tablespaces. RCU is available in directory me/oracle_common/bin. OF&LL OF&LL Oracle Database	
Help		<gack next=""> Einish</gack>	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.

0	Oracle Busi	ness Intelligence 12c Co	onfiguration Assista	ant - Step 5 of 9	_ ×
Po	ort Range				
CCEEEEEEEEEEEE	Welcome Prerequisite Checks Define New Domain Database Details Port Management Initial Application Summary Configuration Progress Configuration Complete Privation Progress	Choose the port range for B Port Range Port Range Starting Port Port Range End Port	9500	A.	
	Help			< <u>Back</u> Next > Ein	ish Cancel

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





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

ummary			
Welcome Prerequisite Checks Define New Domain Database Details Port Management Initial Application Summary Configuration Progress Configuration Complete	Admin server (HTTP port 9500, HTTPS Managed server (HTTP port 9502, HTT Database New schemas Database type: ORACLE Connect string: ofsil.in.oracle.com New RCU prefix: dev Port Management Port range Port range Port range start: 9500 Port range end: 9999 Application SampleAppLite Service Instance Key: ssi Service Instance Limit: 1 Entry points	FUSION MIDDLEWARE	
	WebLogic Console http://ofsli.in.oracle.com:9500/conso Fusion Middleware Control	le	•
	Save Response File: Save		

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

onfiguration Progre	ss	
Welcome	Configuration Tools	
Prerequisite Checks	Name	Progress
Define New Domain	🖼 🗌 🖌 Bl Configuration	100%
Database Details	🕀 🔄 🖌 BI Startup	100%
Port Management	🕀 🔄 🖌 Bl Epilogue	100%
Initial Application		
Summary		
Configuration Progress		
	Configuration Log Location: /home/dev/Oracle/oracle/Middleware/app/ora	alnventory/logs/install2016-02-08_12-20-04PM.log
		unventory/logs/install2016-02-08_12-20-04PM.log



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

n main Name: bi ins Directory: /u01/Middleware/Weblogic12cHome/user_projects/domains n server (HTTP port 9500, HTTPS 9501, internal 9504) ged server (HTTP port 9502, HTTPS 9503, internal 9505)
nts nain Name: bi ins Directory: /u01/Middleware/Weblogic12cHome/user_projects/domains n server (HTTP port 9500, HTTPS 9501, internal 9504) ged server (HTTP port 9502, HTTPS 9503, internal 9505)
nain Name: bi ins Directory: /u01/Middleware/Weblogic12cHome/user_projects/domains n server (HTTP port 9500, HTTPS 9501, internal 9504) ged server (HTTP port 9502, HTTPS 9503, internal 9505)
ins Directory: /u01/Middleware/Weblogic12cHome/user_projects/domains n server (HTTP port 9500, HTTPS 9501, internal 9504) ged server (HTTP port 9502, HTTPS 9503, internal 9505)
ins Directory: /u01/Middleware/Weblogic12cHome/user_projects/domains n server (HTTP port 9500, HTTPS 9501, internal 9504) ged server (HTTP port 9502, HTTPS 9503, internal 9505)
ins Directory: /u01/Middleware/Weblogic12cHome/user_projects/domains n server (HTTP port 9500, HTTPS 9501, internal 9504) ged server (HTTP port 9502, HTTPS 9503, internal 9505)
n server (HTTP port 9500, HTTPS 9501, internal 9504) ged server (HTTP port 9502, HTTPS 9503, internal 9505)
ged server (HTTP port 9502, HTTPS 9503, internal 9505)
chemas
atabase type: ORACLE
onnect string: ofsil.in.oracle.com:1521:OLLDB ewRCU prefix: dev
agement
ange
ort range start: 9500
ort range end: 9999
on
leAppLite
e Instance Key; ssi
e Instance Limit: 1
C C C

- 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:9502/</u><u>xmlpserver</u>.



4. Creating Unique BI Publisher User

After configuring BI publisher, you must create a unique User ID.

To create User ID

- 1. Login to BIP Domain (http://hostname:port/console).
- 2. Click 'Security Realms' and then select 'myrealm'.
- 3. Select Users and Groups > User and click 'New'. The following window is displayed.

domain.	Territoria de la compañía de la comp	a New User		
Lock & EdR	10000			
Release Configuration	OK	Cancel		
Domain Structure	Use	r Properties		
	The	following properties	will be used to identify your new User.	
Environment.	* Inde	ates required fields		
Servers				
	What	would you like to na	me your new User?	
Migratable Targets	* Nor	INC:	ofslibio	
Coherence Servers			orsibip	
Coherence Ousters Machines	How	would you like to des	cribe the new User?	
Work Managers	1.000			
L-Startup and Shutdown Gasses	Desc	ription:	OFSLL BIP User	
Deployments				
Services Security Realty	Y Pleas	e choose a provider l	for the user.	
How do L.	S Prov	iden	DefaultAuthenticator 💌	
Create users	The p	assword is associate	d with the login name for the new User.	
 Modify users 				10
Delete users	*Pas	isword:	*******	
Create groups				
 Manage users and groups 	*Cor	firm Password:		
System Status	B OK	Cancel		
	115			×

4. Specify the following details:

Field	Action
Name	Specify a valid name you need to maintain as User
Description	Provide description to the specified user
Provider	Select a provider for the user, from drop-down list.
Password	Specify a valid password you need to assign to the specified user.
Confirm Password	Retype the password to confirm it.



5. Click 'OK'. The following window is displays the new User ID created.

Change Center		Home Log	Out Preferences 🔤 R	Record Help	Q	Welco	me, weblogic	Connected to: bi	
View changes and restarts			ry of Servers Sciencery 5 Strees and Groups	of Security Realms and	realm >Users and Group	i sohikip suk	ers and Groups	sofilibip silters and	
No pending changes exist. Click the Relear Configuration button to allow others to ed domain.		volup solup of them and or ways Messages ve user rested successfully							
Lock & Ed/	5	ettings for m	yrealm.						
Release Configuration		Configuration	Users and Groups	Roles and Policies	Credential Mappings	Providers	Migration		
Domain Structure		Users Grou	¢5						
bp11g_domain B-Environment	^	This sum of	in a false shirt share.		an and a star becau	- All and -			
		This page disp ir Customize t Users	0.000	each user that has be	en configured in this se	curitý realm.			
Environment Servers Cubers Cubers Whush Holds Hop adults Targets Coherence Servers Coherence Outers Hophwes		i Customize t Users	0.000	each user that has be	en configured in this se	curity realm.	Showing	ng 1 to 8 of 8 Previou	s Next
Environment Servers Couters Witual Hosts "Higu stable Targets Coherence Servers Coherence Clusters Mechanis Work Managers Startup and Shutdown Classes		i Customize t Users	this table	each user that has be Description	en configured in this se	curity realm.	Stower		s Next
© Environment Servers -Outer		Customize t Users	this table		en configured in this se	curity realm.	Prov		s Next
© Environment - Servers - Ouzters - Webuil Hosts - Koherence Servers - Coherence Ouzters - Mechanis - Work Managers - Startup and Shuddown Gasses - Deployments		Users	this table	Description	en configured in this se	ouritry realm.	Prov	rider	s Next
Environment Torvers Torvers Torvers Torvers Torvers Torvers Torvers Torverse Torverse Torverse Coherence Servers Torverse		Customize t Users	this table	Description BI System User	en configured in this se	ourity realm.	Prov Defa Defa	rider ukAuthenksator	s Next

6. Select the check box adjacent to the 'User' created and click 'Groups' tab. The following window is displayed

ORACLE WebLogic Serve	Administration Console 12c		0
Change Center	🙆 Home Log Out Preferences 🖂	Record Help	Welcome, weblogic Connected to: bi
View changes and restarts	Home scheet and Groups soldblip sch	ours and Groups sofsibility subsets and Groups sit	EMOSUPE subert and Groups shidt subert and Groups selfellike
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for of slibip		
doman.	General Passwords Attributes	Groups	
Lock & Edit	Save	and a second s	
Release Configuration			
Domain Structure	Use this page to configure group me	enbership for this user.	
bp) 19, domain bp) 19, domain Conventent Servers Clusters Visited Hosts Migratable Targets Coherence Servers Coherence Crusters	Parent Groups: Available: AdminicthannelUsers Administrators Appliceters BlAdministrators	Chosen:	This user can be a member of any of these parent groups. More \$/fe
Machines Work Managers Starbug and Shutzown Classes Deployments Bir Services Stoructio Englinis	CrossDomainConnectors Deployers FIL_USER		
Now do L			
Greate users			
Done			

- 7. Select the following Groups from the 'Parent Groups Available' list and click '>' to assign it to the new user. You can also assign other groups as required.
 - BIAuthors
 - BIConsumers
- 8. Click 'Save'. The User is mapped to the Group.



5. Creating BI Publisher Datasource

To create BI Publisher Datasource, do the following:

- Create Data Source with JNDI as 'jdbc/ofsllbipdb' on BI Publisher Domain
- Target the datasources to 'bi_server1'
- 1. Access the weblogic console URL using http://hostname:port/console.

ORACLE WebLogic Server	Administration Console 120			Ç			
Change Center	🔒 Home Log Out Preferences 🔛 Recor	d Help	Q	Welcome, weblogic Connected to: bi			
View changes and restarts	Home > Summary of Servers > Summary of 3	DBC Data Sources					
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of JDBC Data Sources						
Lock & Edit	Configuration Monitoring						
Release Configuration	A JDBC data source is an object bound to borrow a database connection from a data		atabase connectivity through a pool of 3DBC conn	ections. Applications can look up a data source on the JNDI tree and then			
Domain Structure	This page summarizes the JDBC data source	and the second second					
 ⇒ Services → Messaging → MS Servers → Store-and-Forward Agents → MS Modules → Path Services 	Customize this table Data Sources (Filtered - Hore Column Click the Lock & Editbutton in the Chang New v Delete		attors on this page.	Showing 1 to 4 of 4 Previous Next			
Bridges Data Sources	🔲 Name 🙈	Туре	JNDI Name	Targets			
Persistent Stores Foreign XIOI Providers	bp_datasource	Generic	jdbc/bip_datasource	bi_duster			
Work Contexts	EPMSystemRegistry	Generic	jdbc/EPMSystemRegistry	bi_duster, AdminServer			
How do I	a mds-owsm	Generic	jdbc/mds/owsm	bi_duster, AdminServer			
Create 308C generic data sources	CPSLLBIPDB	Generic	jdbc/ofsibipdb	b_server1			
Create JDBC GridUnk data sources Create JDBC multi data sources	New - Delete			Showing 1 to 4 of 4 Previous Next			

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

Sign In Please enter username and password Username	
Password Accessbilly Mode	
Sign In English (United States)	



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

	sher Enterprise Search All		Ŧ	٩,	Administration	Help 💌	Sign Out
Home		Home	Catalog	New *	Open 🐨	Signed In As	weblogic v
Create	Recent						
Report	Reports						
	Others						
Report Job	Favorites Manage						
Data Model							
More w							
Browse/Manage							
Catalog Folders							
Report Jobs Report Job History							

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

	her Enterprise Search All		•	٩,	Administration	Help 🐨	Sign Out	
Home		Home	Catalog	New *	Open 💌	Signed In As	weblogic	¥
Create	Recent							
Report	Reports							
Report Job	Others Favorites Manage							
Data Model								
^{More} ♥ Browse/Manage								
Catalog Folders Report Jobs								

5. Click 'JNDI Connection'. The following window is displayed.

DRACLE [®] BI Publisher Enterprise Search All		v			0,	Administ	ration	Help	*	Sign Out	
Iministration	Home	Catalo	g	New	Ŧ	Open	w.	Signed	In As	weblogic	
Data Sources	Syst	em Mainte	nance								
JDBC Connection		er Configur									
JNDI Connection File		duler Conf									
File LDAP Connection		duler Diag	nostics Configuratio	100							
OLAP Connection		ge Cache	Jorniguratio								
Web Service Connection											
HTTP Connection											
Security Center	Runt	ime Confiç	juration								
Security Configuration		erties									
Roles and Permissions		Mappings									
Digital Signature	Curre	ancy Forma	its								
Delivery	Integ	ration									
Delivery Configuration	Oracl	e BI Prese	ntation Serv	vices							
Printer											
Fax Email											
WebDAV											
HTTP											
FTP											
Content Server CUPS Server											
SOF S SEPTER											

6. Add Data Source 'FLLReportsPool' with JNDI as 'jdbc/ofsllbipdb'.



7. 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.

5.1 <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.

) Infc	Home									6	
Cert	Monitoring	» you own the edit session lock. To obtain the le	ock, click "Lock and Edit" in the Change Cer	nter menu.							
Serve	Diagnostics Control Logs Environment	n Server Name AdminServ Host ofsillin.ora									
Clust	Deployments JDBC Data Sources Messaging	Listen Port 8000									
	Cross Component Wiring Web Services Other Services	Create X Delete Control v	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Heap Usage (MB)	
Depic		r(admin)	1			Running	ок	8000	0.75	510.30	
	Administration	P		bi_cluster	ofsll.in.oracle.com	Running	ок	8002	0.86	375.46	
	Refresh WebLogic Domain Security System MBean Browser	Security Realms Users and Groups	+	bi_cluster	ofsil.in.oracle.com	Shutdown	Unknown	9002 6001	Unavailable Unavailable		
Doma	WebLogic Server Administration Console	Credentials									
Donna	Target Sitemap Target Information	Security Provider Configuration									
	0	Application Roles									
Res	ource Group Templates	Keystore									
		System Policies									
		Audit Policy									

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

Application Role	S			
Application roles are the r application.	oles used by security	y aware applications that are sp	ecific to th	e 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
🛿 To manage users and	groups in the WebLo	gic Domain, use the Oracle We	bLogic Se	rver Security Provider.
Policy Store Provide	r			
▲ Search				
Select an application and	enter a search keyw	ord for the role name to search	for roles d	efined by this application. 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 💌		
View - Create	🖹 Create Li	ike 💉 Edit 🗙 Delet	e	R Contraction of the second
2				
Role Name		Display Name		Description
BIServiceAdministrat	or	BI Service Administrator		This role confers privileges required to administer a service instance.
✓ Membership fo	r BIServiceAdn	ninistrator		
Principal	Display Name	е Туре	De	scription
weblogic	weblogic	User	Thi	s 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		typically used to assign a privilege or permission. A role can also c	ontain other roles as members.		O
Application Stripe	obi				
* Role Name	BIConsumer				
Display Name	BIConsumer				
Description	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.				
Members					
		LDAP server, or the role can be mapped to other application roles			
View - + Add ×	Delete 🗐 Detach				
Name				Display Name	Туре
No groups or application role:	s 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 Application Role (or Enterprise Role) in General		ed 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	select the application roles	shat you want to grant permissions to.	
		Type User	
		Principal Name Starts With •	
		Display Name Starts With •	
Searched Principals		Disput runne Gaile mail *	
View v Detach			
Principal	Display Name	Description	
LCMUser	Display Haile	This is the default service account for WebLogic Server Lifecycle Manager configuration updates.	
OracleSystemUser		Oracle application software system user.	
weblogic		This user is the default administrator.	
Advanced Option	I name here instead of searc	tring from above. This collon can be used for advanced scenarios related to custom authenticators.	
			OK Cancel

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.

Create Application Role (or Enterprise Role) in General		pically used to assign a privilege or permission. A role can also contain other roles as members.		OK
Application St	ripe obi			
* Role Na	me BiConsumer			
Display Na	me BIConsumer			
Descrip	tion The base-level role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing BI Publisher			
	ed to be mapped to users or groups defined in enterprise	LDAP server, or the role can be mapped to other application roles.		
view v T Muu				
Name			Display Name	Туре
	A		Display Name	Type User
Name	a.,		Display Name	

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

Application Role	s			
Application roles are the r application.	oles used by secur	ty aware applications that are spe	cific 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 u	users accessing the
P To manage users and	groups in the WebL	ogic Domain, use the Oracle Wet	Logic Server Security Provider.	
Policy Store Provide	r			
▲ Search				
Select an application and	enter a search key	vord for the role name to search f	r roles defined by thi application. 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	•	
View 👻 🎽 Create	🖹 Create	.ike 🧪 Edit 💥 Delete		😽 🔐 Detach
1				
Role Name		Display Name	Description	
BIServiceAdministrat	tor	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	r BIServiceAd	ministrator		
Principal	Display Nam	е Туре	Description	
weblogic	weblogic	User	This user is the default administrator.	



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 IST 🔦
	Home		8
An	Monitoring	•	
Domain	Diagnostics	Þ	
Applic	Control	+	
Application	Logs	$_{\rm P}$ ions that are specific to the applicati	on. 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 Oracle WebLogic Server Secur	N Provider
▶ Polix	Deployments		
.▲ Sear	JDBC Data Sources		
Select ar	Messaging	arme to search for roles defined by t	is 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		
View 1	Other Services	t X Delete	📴 🔡 Detach
	Administration	C X Delete	
1	Refresh WebLogic Domain		
Rol		e Deerrir	tion
BIS	Security	Security Realms	fers privileges required to administer a service instance.
BIC	System MBean Browser	Users and Groups	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.
8	WebLogic Server Administration Console	Credentials	
.⊿ Me	Target Sitemap	Security Provider Configuration	
	Target Information	Application Policies	
Principar		Application Roles	
weblogic	weblogic	Keystore	fault administrator.
		System Policies	
		Audit Policy	

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

Application Policies Application policies are the authorizat IP To manage users and groups in th Policy Store Provider	ion policies that an application relies e WebLogic Domain, use the <u>Oracle</u>	upon for controlling access to its res <u>WebLogic Server Security Provider</u>	urces.				
▲ Search							
Select an application and enter the se	earch keyword for principals or permi	ssions to query application security	ants. Use the application stripe to search	if the application uses a stripe	that is different from the application	name.	
Applicatio	n Stripe obi	•					
Princip	al Type Application Role						
Principa	al Name Starts With 💌						
View - Create	Create Like 🖋 Edit 💥 De	lete					🖙 🗟 Detach
1							
Principal	Display Name	Description					
BIServiceAdministrator	BI Service Administrator						
A Policies for BIServiceAd	iministrator						
Permissions							
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'.

Create Application G For managing an application po Application Stripe obi	Frant licy, select a particular grantee and attach a p	ermission to it.				OK Cancel
Grantee						
	p or application role) you want to add to the p Delete 🔐 Detach	olicy				
Name	Display Name	Туре	Description			
No users or groups added.						
Permissions						
Select from permissions and re	esources used in this application. Enter sear	ch criteria to search for rig	ht permissions.			
View 👻 🕂 Add 🥒 E	dit 💥 Delete 😭 Detach					
Permission Class				Resource Name	Re Permission Tyj Actions	Permission Set
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 granter	e and attach a permission to it.				OK Cancel
Application Stripe obi Grantee Select the grantees (user, group or application role) you wan View + Add © Detach	Add Principal Specify criteria to search and se Search	lect the application roles that	you want to grant permissions to.		
Name Display Name No users or groups added Permissions Select from permissions and resources used in this applications		Type Application Principal Name Starts Display Name Starts			
View • + Add / Edit X Delete	View v 💮 Detach	Display Name	Description	Re Permission	Permission Set
Permission class	anonymous-role authenticated-role BIConsumer	Anonymous Role Authenticated Role BIConsumer	Description The base-level role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing El Publisher reports, but not create any new ones.	Tyį Actions	Permission Set
	BIServiceAdministrator	BI Service Administrator	This role confers publicges required to administer a service instance.		

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

Application Stripe ob Grantee Select the grantees (user group or application role) you want to add to the policy Wer w Hadd Constant Co	Create Application Gra	Int select a particular grantee and attact	h a permission to it.				OK Cancel
Select the grantee (and y can be application role) you want to add to the poly. Name Dippy Value Type Description BiConsumer Application Role The base-level role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing BI Polisher reports, but not create any new ones. Permission BiConsumer Application Role The base-level role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing BI Polisher reports, but not create any new ones. Permission BiConsumer Application Role The base-level role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing BI Polisher reports, but not create any new ones. Verw + + Application X Detec. Resource Name Resource Name </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
View v 1 444 V 0 dotta. D 0 dotta v 0 dott	Grantee						
Name Display Name Type Description BConsumer BConsumer Application Role The base-level role that grants the user access to existing analyses, disabloards and agents, allows them to run or schedule existing BI Publisher reports, but not create any new ones. Permissions Select thom permissions Vew v + Add X fail. X Detech Permission Class Resource Name Resource Name Ref Permission Set of Type Access to Se	Select the grantees (user, group o	r application role) you want to add to t	he policy.				
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 existing BI Publisher reports, but not create any new ones.	View - + Add X Del	ete 🔛 Detach					
Permissions Select hom permissions and resources used in bits application. Enter search offeright permissions. View Add Control Case Control C	Name	Display Name	Туре	Description			
Select hom permissions and resources used in this application. Enter search origit permissions. Vew v 4 Add / fatL x bast. in bast. beach Permission Class Resource Name Resource Name Permission Set	BIConsumer	BIConsumer	Application Role	The base-level role that grants the user access to existing analyses, dasht	ooards and agents, allows them to run or schedule	existing BI Publisher reports, but not create a	any new ones.
Permission Class Resource Name Tyj Actions Permission Set	Select from permissions and reso		search criteria to search for righ	permissions.			
Ne permissions added.	Permission Class				Resource Name		Permission 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 G For managing an application poli	i rant Icy, select a particular grantee and attac	h a permission to i	ı				OK Cancel
Application Stripe obi			Add Permission		×		
	o or application role) you want to add to t belete Construction of the second secon	the policy. Type Applic:	Select from permissions and resources us Search Permissions Resource Types Resource Type Resource Type Starts With	ublisher permission	o search for right permissions.	m to run or schedule existing Bi Publisher reports, bu	d not create any new ones.
Permissions Select from nermissions and re	sources used in this application. Enter	search criteria to 4	Search Results Resource Name	Display Name	Description		
	dit 💥 Delete 🐼 Detach		oracle.bi.publisher.accessExcelRepo.				
Permission Class			oracle.bi.publisher.accessOnlineRep. oracle.bi.publisher.accessReportOut.			Re Per Tyj Act	rmission Permission Set
No permissions added.			oracle.bi.publisher.administerServer	BIP Administer Server			
			oracle.bi.publisher.developDataModel	BIP Develop Data Model			
			oracle.bi.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	u 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 For managing an application policy, select Application Stripe obi	t a particular grantee and attact	h a permission to it.						OK Cancel
Grantee								
Select the grantees (user, group or appli								
View - + Add X Delete		ne policy.						
Name	Display Name	Ture	Descrip	Add Permission	,	×		
BIConsumer	BIConsumer	Application Role	The bas					
BiConsumer	BiConsumer	Application Role	The bas			rds and agents, allows them to run or schedule e	xisting BI Publisher reports, but not create a	ny new ones.
				ai customize				
Permissions				Permission Class oracle.security.j	ps.ResourcePermission			
Select from permissions and resources View + Add Edit		search criteria to search for righ	t permission	Resource oracle bi publis	ber permission			
View - Add / Edit	C Delete 👷 Detach							
Permission Class				Resource Name		Resource Name		Permission Set
No permissions added.				Permission Actions	n X oracle security jps ResourcePermission oracle by publisher permission Resource Name Re Permission Permission Set			
					Back Select Cancel	•		
						_		

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

r managing an application poli	r ant cy, select a particular grantee and attac	ch a permission to it.			OK Canc		
pplication Stripe obi							
rantee							
elect the grantees (user, group	or application role) you want to add to	the policy.					
View + Add × 0	elete 📆 Detach						
Name	Display Name	Туре	Description				
	BIConsumer	Application Role	The base-level role that grants the user access to existing analyses, dashboards and agents, allows them to run or schedule existing BI	ublisher reports, but not create a	any new ones.		
ermissions ielect from permissions and re	BIConsumer			ublisher reports, but not create :	any new ones.		
ermissions elect from permissions and re	ources used in this application. Enter			ublisher reports, but not create a Re Permission Tyl Actions	Permission S		
elect from permissions and re View + Add / Ed	iources used in this application. Enter t X Delete 🙀 Detach		It permissions.	Re Permission			
elect from permissions and re View + Add Permission Class	cources used in this application. Enter t		N permissions. Resource Name	Re Permission Tyj Actions			

10. Once done, click 'OK'.

Application Policies						
Application policies are the authoriz	ation policies that an application relies un the WebLogic Domain, use the Oracle V	upon for controlling access to its resources.				
Policy Store Provider	ne neacogie bennañ, abe ane <u>oraze r</u>					
▲ Search						
	search keyword for principals or permis	ssions to query application security grants. Use the applic	ation strine to search if the application uses a strine	that is different from the application r	ame	
	on Stripe obi	•				
	ipal Type Application Role 💌					
Princip	pal Name Starts With 💌	•				
View 👻 🎽 Create	Create Like 🖋 Edit 💥 Del	lete				🖙 🔛 Detach
1						
Principal	Display Name	Description				
BIConsumer	BIConsumer					
BIServiceAdministrator	BI Service Administrator					
A Policies for BlConsum	er					
Permissions						
Resource Name			Resource Type	Permission Actions	Permission Class	Permission Set
oracle.bi.publisher.runReportOnlin	6		oracle.bi.publisher.permi	_all_	oracle.security.jps.ResourcePermission	
oracle.bi.publisher.accessOnlineR	eportAnalyzer		oracle.bi.publisher.permi	_all_	oracle.securityjps.ResourcePermission	
oracle.bi.publisher.accessExcelRe	porténalvzer		oracle bi publisher permi	lle	oracle.security.jps.ResourcePermission	



6. Importing Reports to BI Publisher Server

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

- Copy and extract the OFSLLReports.zip file to local area. Assume you have extracted to /home/oracle/app/OFSLLReports, then the zip file "oracle.xdrz" is extracted to /home/ oracle/app/OFSLLReports
- 2. Launch the Oracle Business Intelligence Publisher Application using http:// hostname:port/xmlpserver
- 3. Login with valid credentials.

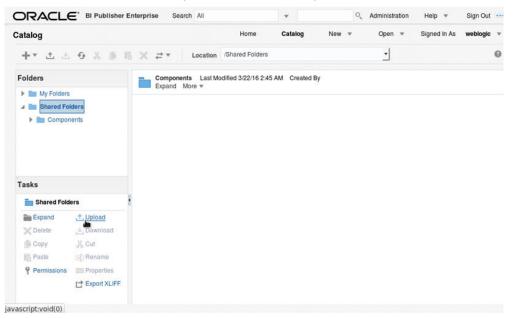
ORACLE [®] BI Publisher Enterprise	
ORACLE [®] BI Publisher Enterprise	Sign In Pease enter username and password Username Password Accessibility Mode
	Sign In English (United States)

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

		Catalog	New *	Open 🔻	Signed In As	weblogic
Recent						
Reports						
Others Favorites Manage						
	Reports Others	Reports Others	Reports Others	Reports Others	Reports Others	Reports Others



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

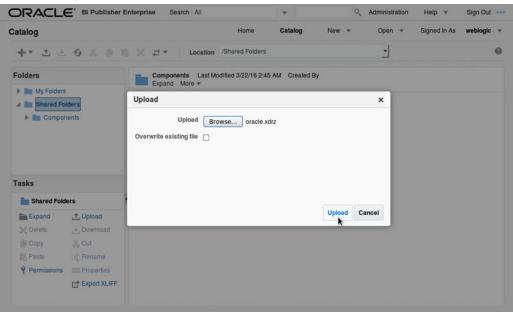


 The following window is displayed. Browse to the location where the oracle.xdrz file is saved. Click the 'Overwrite Existing File' check box if you are overwriting an existing directory.

ORACLE' BI PU	isher Enterprise Search All			c	C Administration	Help 👻	Sign Out	-
Catalog		Home	Catalog	New 💌	Open 🔻	Signed in As	weblogic	
+* ± ± • %	li li X ≓ × Location A	Shared Folders			<u> </u>			0
Folders	Components Last Modi	fled 3/22/16 2:45	AM Created B	y				
My Folders	Upload				×			
Ecomponents	Upload Brow	No file se						
E Shared Folders								
Expand Lupics Detete Down Copy Lut Paste Different Permissions Exponential Exponential	s			Upload	Cancel			



7. Click on 'Upload'.



8. The following window is displayed.

	Enterprise Search All	*	Q Administration	Help 🔻	Sign Out
Catalog	Home	Catalog	New = Open =	Signed in As	weblogic 👻
+* ± ± 9 % @ 1	location /Shared Folders		<u>.</u>		0
Folders	Components Last Modified 3/22/16 2:45 Expand More *	5 AM Created By			
My Folders	Upload		×		
Components Tasks	Upload Browse No file so Overwrite existing file Uploading	elected.	-		
Shared Folders	1				
Expand ∴ Upload Delete Download Copy % Cut Paste : Rename Permissions : Properties L' Expert XLIFF			Upped 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.

atalog	Home Catalog New V Open V Signed In As web	ogic 1
+* ± ± 0 % # %	Cocation /Shared Folders/oracle/fil/xmlp/reports	6
Folders My 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 onumber of the folders onumber of the folders	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 *	
Im fil Im xmip For correspondence	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	ococol_em_100_01 Last Modified 3/22/16 2:49 AM Created By weblogic ococol_em_100_01 Open Schedule Jobs Job History Edit More ▼	
Expand , Upload	ococoLem_100_02 Last Modified 3/22/16 2:49 AM Created By weblogic ococoLem_100_02 Open Schedule Jobs Job History Edit More *	
E Copy & Cut	ococol_em_100_03 Last Modified 3/22/16 2:49 AM Created By weblogic ococol_em_100_03 Open Schedule Jobs Job History Edit More *	
Permissions Export XLIFF	ococol_em_100_04 Last Modified 3/22/16 2/49 AM Created By weblogic ococol_em_100_04 Coen Schedule Jobs Job History Edit More ▼	



7. Configure MDB Mail Server

Refer to the following instructions to configure the MDB email server.

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

ORACLE [®] BI Publisher Enterprise	
	Sign In Please enter username and password Username Password Accessibility Mode Sign In % English (United States)
Oracle BI Publisher 12.2.1.0.0 Copyright © 2003, 2015, Oracle and/or its affiliates. All rights r	served

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

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



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

Iministration	Home Catalog New T Open Signed in As weblogic	
Data Sources	System Maintenance	-
JDBC Connection JNDI Connection File LDAP Connection OLAP Connection Web Service Connection HTTP Connection	Server Configuration Scheduler Configuration Scheduler Diagnostics Report Viewer Configuration Manage Cache	
Security Center	Runtime Configuration	
Security Configuration Roles and Permissions Digital Signature	Properties Font Mappings Currency Formats	=
Delivery	Integration	
Delivery Configuration Printer Fax Email WebURAV HTTP FTP Content Server CUPS Server	Oracle BI Presentation Services	

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

n Out 🚥	•	Help 🔻	tion	Administra	0,			•			All	Search	terprise	ner Ent	3l Publisl	ACLE.	OR
ologic 💌	As	Signed In	•	Open	•	New	alog	Cat	Home							istration	Admin
(Server	CUPS	Server	Content	FTP	HTTP	WebDAV	Email	Fax	Printer	tion > Email y Configuration	Delivery
				e	Dele				Port					Host			Server
															ver	Add Ser	Add

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

	ner Enterprise Search A	II	•	٩,	Administration	Help 💌	Sign Out	
Administration		Home	Catalog	New 💌	Open 🔻	Signed In As	weblogic 💌	
Administration > Email > Add Server							e	9
Confirmation Connection established successful	y.							
Add Server								_
					Test Con	nection Ap	ply Cancel	
General								
* Server Name	ofsll.in.oracle.com		* Host	ofsll.in.oracle.com				
Port	25	Secure C	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.

	er Enterprise Search All	v	 Administ 	tration Help 🔻 Sign Out 🚥
Administration		Home Catalog	New 🔻 Oper	n 💌 Signed In As weblogic 💌
Administration > Email > Add Server				0
Add Server			T	est Connection Apply, Cancel
General				Apply
* Server Name Port	ofsil.in.oracle.com 25	* Host Secure Connection	ofsII.in.oracle.com	
Security				
Username		Password		

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

	sher Enterprise Search	All	•	Administration	Help 🔻	Sign Out
Administration		Home	Catalog Nev	v 🔻 Open 🔻	Signed In As	weblogic 💌
Administration > Email						0
Delivery						
Delivery Configuration Printer	Fax Email WebDAV	HTTP FTP Content	Server CUPS Server			
Server Name	Host	Port		Delete		
ofsll.in.oracle.com	ofsll.in.oracle.com	25		Û		
Add Server						

