Oracle® Revenue Management and Billing

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Reporting Installation Guide

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Oracle Revenue Management and Billing FOP Reporting Installation Guide

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Preface

About This Document

This document will help you to understand the prerequisites, supported platforms, and hardware and software requirements for installing the Oracle Revenue Management and Billing (ORMB) reporting framework.

Intended Audience

This document intended for the following audience:

- End-Users
- System Administrators
- Consulting Team
- Implementation Team

Organization of the Document

The information in this document has organized into the following sections:

Section No.	Section Name	Description
Section 1	Overview	Provides an overview of installing ORMB Reporting Framework.
Section 2	Verifying the Configuration Files	Lists the configuration files and parameters to be verify in respective files before using reporting framework. It also defines the steps to check and update the configuration files.
Section 3	Application Architecture Overview	Provides an overview of the Oracle Revenue Management and Billing architecture.
Section 4	Supported Platforms	Lists the software and hardware requirements for each application tier.
Section 5	Installing ORMB Reporting	Defines the steps to install ORMB Reporting
Section 6	Contacting Oracle Support	Indicates the oracle Support URL

Related Documents

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You can refer to the following docu	ments for more information:
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Document	Description
Oracle Revenue Management and Billing Version 2.9.0.0.0 Release Notes	Provides a brief description about the new features, enhancements, UI and database level changes, supported platforms, framework upgrade, supported upgrades, and technology upgrade made in this release. It also highlights the discontinued features, bug fixes, and known issues in this release.
Oracle Revenue Management and Billing Installation Guide	Lists the application server pre-requisites, supported platforms, and software and hardware requirements for installing the Oracle Revenue Management and Billing application. It explains how to install the Oracle Revenue Management and Billing application.
Oracle Revenue Management and Billing Database Administrator's Guide	Provides information about the Oracle Database Server and Client required for installing the Oracle Revenue Management and Billing database. It explains how to install database with and without demo data. It provides database configuration guidelines including recommended settings for the Oracle Exadata Database machine.
Oracle Revenue Management and Billing Server Administration Guide	Explains the Oracle Revenue Management and Billing (ORMB) architecture and technical expertise required for configuring and using the ORMB application. It explains how to configure and deploy web and business application servers. In addition, it explains how to monitor client machines, web and/or business application servers, and database connections.
Oracle Revenue Management and Billing Security Guide	Lists the security features available in the Oracle Revenue Management and Billing application. It explains how to configure security for the Oracle Revenue Management and Billing application using the default security features.
Oracle Revenue Management and Billing Bill and Letter Reports Configuration Guide	Explains the ORMB web reporting platform and also lists the benefits of the platform. It also assists in configuring the ORMB Reporting system for generating different reports.
Oracle Revenue Management and Billing Reporting SDK Guide	Lists and describes various FOP reporting SDK features in Oracle Revenue Management and Billing. It also describes all screens related to these features and explains how to perform various tasks in the application.
Oracle Revenue Management and Billing Reporting User Guide	Explains the ORMB reporting process and the various types of frameworks provided by ORMB. It also explains how to use Groovy to generate different reports.

Conventions

The following conventions are used across the document:

Convention	Meaning
boldface	Boldface indicates graphical user interface elements associated with an action, or terms defined in the text.
italic	Italic indicates a document or book title.
monospace	Monospace indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or information that an end-user needs to enter in the application.

Change Log

Revision	Last Update	Updated Section	Comments
2.1	19-Jan-2022	-	Added Bookmarks in PDF

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1. Overview

This section provides information on how to install of Oracle Revenue Management and Billing (ORMB) Reporting Framework.

1.1 Installation Overview

Installing Oracle Revenue Management and Billing Reporting Framework involves the following steps:

- 1. Verifying and updating configuration files, which include key parameters required for generating reports as, described in <u>Verifying Configuration Files</u> section.
- 2. Review different tiers of the application architecture as described in the <u>Application Architecture</u> <u>Overview</u> section.
- 3. Understand hardware requirements for installing the application and the supported platforms for the application and database servers, as described in the <u>Supported Platforms and Hardware</u> <u>Requirements</u> section.

Note: For more information, refer *Oracle Revenue Management and Billing Database Administrator's Guide*.

1.2 Application Architecture Overview

The application is split into multiple tiers:

Tier 1: Browser-Based Client

Oracle Revenue Management and Billing supports the following operating systems:

• Windows 7, 8.1, 10 (64-bit)

The following operating system and web browser combinations are supported:

• Windows 7, 8.1, 10 (64-bit) with Internet Explorer 11.x (not in the Compatibility mode)

Tier 2: Web Application Server

Oracle Revenue Management and Billing supports the following Web application servers:

Oracle WebLogic

Tier 3: Database Server

Oracle Revenue Management and Billing supports Oracle Database Server. Please see Oracle Revenue Management and Billing Server Administration Guide for a more detailed description of the application architecture and individual tiers.

1.3 Supported Platforms

This section shows each of the operating system/server combinations on which the product is supported:

- Operating Systems and Application Servers
- Oracle Database Servers
- SDK Supported Combinations
- Oracle WebLogic Server Information
- Oracle VM Support
- Oracle Support Policy Regarding VMware

The installation supports many operating system, application server, and database server combinations. For the software requirements for each of these combinations, see Oracle Revenue Management and Billing Installation Guide or Oracle Revenue Management and Billing Release Notes.

2. Verifying the Configuration Files

You need to verify whether the configuration files required for generating reports have valid details. There are two approaches to verify and update the configuration files:

• Comment the following line in spl.properties.template file found in the path: /scratch/rmbbuild/spl/<Install DIR>/templates/

ouaf.runtime.billView.directoryPath=@force_forward_slash(SPLEBASE)@/splapp/billView/

Note: To comment a line, type ## at the beginning of the line. For example:

##ouaf.runtime.billView.directoryPath=@force_forward_slash(SPLEBASE)@/splapp/billView/

• Alternatively, you can verify and update the configuration files spl.properties and environ.ini

The **spl.properties** file lists the parameters and directory path name used by the report generating algorithm. By default, the statements in these files that are marked with ## are not referred by the algorithm while generating the reports. However, it is recommended to verify this and if the lines are not commented, comment them.

To verify, search for statements that end with /billView/ in the respective spl.properties file. The table below lists the spl.properties file paths and their valid values.

File Path	Valid Value
/scratch/rmbbuild/spl/ <install_dir>/etc/conf/root/</install_dir>	##ouaf.runtime.billView.directoryPath=/scratch/rmbbui
WEB-INF/classes/spl.properties	ld/spl/ <install_dir>/splapp/billView/</install_dir>
/scratch/rmbbuild/spl/ <install_dir>/etc/conf/XAIApp</install_dir>	##ouaf.runtime.billView.directoryPath=/scratch/rmbbui
/WEB-INF/classes/spl.properties	ld/spl/ <install_dir>/splapp/billView/</install_dir>
/scratch/rmbbuild/spl/ <install_dir>/splapp/mpl/conf</install_dir>	##ouaf.runtime.billView.directoryPath=/scratch/rmbbui
ig/spl.properties	ld/spl/ <install_dir>/splapp/billView/</install_dir>
/scratch/rmbbuild/spl/ <install_dir>/splapp/applicati</install_dir>	##ouaf.runtime.billView.directoryPath=/scratch/rmbbui
ons/root/WEB-INF/classes/spl.properties	ld/spl/ <install_dir>/splapp/billView/</install_dir>
/scratch/rmbbuild/spl/ <install_dir>/splapp/applicati</install_dir>	##ouaf.runtime.billView.directoryPath=/scratch/rmbbui
ons/XAIApp/WEB-INF/classes/spl.properties	ld/spl/ <install_dir>/splapp/billView/</install_dir>

To check and update the spl.properties files, follow the below steps:

1. Log on to WinSCP and browse to the path where spl.properties file is available. Refer to the previous table for various file paths.

For example: /scratch/rmbbuild/spl/<Install_DIR>/etc/conf/root/WEB-INF/classes

- 2. Open the spl.properties file and search for the line that ends with /billView/
- **3.** If the line is not commented, type **##** at the beginning of the line. For example: **##ouaf.runtime.billView.directoryPath=/scratch/rmbbuild/spl/<Install_DIR>/splapp/billView/**
- 4. Save and close the file.

To check and update the **environ.ini** file, follow the below steps:

- 1. Log on to WinSCP and browse to the path where **environ.ini** file is available. For example: /scratch/rmbbuild/spl/<INSTALL DERECTORY>/etc/ENVIRON.INI
- 2. Verify if TOP_VERSION value=<Product Version> and if the value is not valid, update the same.
- 3. Verify if TOP_VERSION_NUM value=< Product Version> and if the value is not valid, update the same.

3. Updating spl Template File

Navigate to the location /<Installation Home>/<Installation Directory>/templates/ and update the template file spl.properties.standalone.template by adding the code given below:

```
## EJB properties
#ifdef SPLWAS=WLS
spl.serviceBean.jndi.name = @WEB_CONTEXT_ROOT@/servicebean
spl.ejbContainer.contextFactory =
weblogic.jndi.WLInitialContextFactory
#ifdef !WEB_WLSSLPORT=[NULL]
spl.ejbContainer.url = t3s://@BSN_WLHOST@:@WEB_WLSSLPORT@
#endif
#ifdef WEB_WLSSLPORT=[NULL]
spl.ejbContainer.url = t3://@BSN_WLHOST@:@WEB_WLPORT@
#endif
spl.ejbContainer.user = @WEB_WLSYSUSER@
spl.ejbContainer.password = @WEB_WLSYSPASS@
#endif
```

4. Installing ORMB Reporting Module

4.1 **Prerequisites**

To install ORMB Reporting version 2.9.0.0.0, you should have:

• ORMB application installed

4.2 How to Install ORMB Reporting?

To install ORMB Reporting version 2.9.0.0.0, follow the procedure below:

- 1. Log on to WebLogic Administration Console.
- 2. Select Deployments from home page. The Summary of Deployments page appears.

delete items in this domain.			
Lock & Edit	- Information and Resources		
Release Configuration	Helpful Tools	General Information	
	Configure applications	Common Administration Task Descriptions	
Domain Structure	Configure GridLink for RAC Data Source	 Read the documentation 	
splapp B-Environment 	Configure a Dynamic Cluster Recent Task Status Set your console preferences	Ask a question on My Oracle Support	
Security Realms	- Domain Configurations		
Diagnostics	Domain	Services	Interoperability
	Domain	Messaging JMS Servers	WTC Servers Jolt Connection Pools
	Environment	 Store-and-Forward Agents 	
	Servers	 JMS Modules 	Diagnostics
	Clusters	 Path Services 	Log Files
	Server Templates	 Bridges 	Diagnostic Modules
How do I	Migratable Targets	Data Sources	 Built-in Diagnostic Modules
 Search the configuration 	Coherence Clusters	Persistent Stores	Diagnostic Images
Use the Change Center	Machines	XML Registries	Request Performance
Record WLST Scripts	Virtual Hosts	XML Entity Caches	Archives
Change Console preferences	Work Managers	Foreign JNDI Providers	Context
Manage Console extensions	Startup And Shutdown Classes	Work Contexts	 SNMP
Monitor servers		 JCOM 	
	Your Deployed Resources	Mail Sessions	Charts and Graphs
System Status	Deployments	FileT3	Monitoring Dashboard
Health of Running Servers		• JTA	
	Your Application's Security Settings	OSGi Frameworks	
Failed (0) Critical (0)	Security Realms		

Figure 1: Deployment Home Page

3. Click on Lock & Edit. This enables the Install button under Deployments tab.

ORACLE WebLogic Server A	dministrat	tion Console 12c							
Change Center		🙆 Home Log Out Preferences 🔛 Record Help							
View changes and restarts	Hor	Home > Summary of Deployments							
Click the Lock & Edit button to modify, add or	Sum	mary of Deployments							
Lock & Edit	Con	Monitoring							
Release Configuration	To To De	This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page. To install a new application or module for deployment to targets in this domain, click the Install button. Ustomize this table Deployments Showing 1 to 4 of 4 Previous 1 to 4							
		Name 🙈			State	Health	Туре	Targets	Deployment Order
	6) 🗄 🕞 ohelp			Active	🗸 ок	Enterprise Application	myserver	100
		B SPLService			Active	🖉 ОК	Enterprise Application	myserver	100
How do I		B SPLWeb			Active	🖋 ок	Enterprise Application	myserver	200
-									

Figure 2: Summary of Deployments Page

4. Click Install. The 'Locate deployment to install and prepare for deployment' screen appears.

ORACLE WebLogic Server Adr	ministration Console 12c			c		
Change Center	🏠 Home Log Out Preferences 🔙 Record Help	Q		Welcome, system Connected to: spl		
View changes and restarts	Home >Summary of Deployments					
No pending changes exist. Click the Release	Summary of Deployments					
domain.	Control Monitoring					
Release Configuration Domain Structure splapp BF Environment Deployments BF-Service Security Rains	This page displays a list of Java EE applications and stand-silone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page. To install a new application or module for deployment to targets in this domain, click the Install button. Customize this table Deployments					
Diagnostics	Install Update Delete Start V Stop V			Showing I to 4 of 4 Previous Next		
~	🔲 Name 🌣	State	Health Type	Targets Deployment Order		
	B Bohelp	Active	V OK Enterprise Application	myserver 100		
	B B SPLService	Active	CK Enterprise Application	myserver 100		
How do L	B C SPLWeb	Active	CK Enterprise Application	myserver 200		

Figure 3: Install Deployment

5. Enter /scratch/rmbbuild/spl/<INSTALL DERECTORY>/splapp/applications in the Path field.

Change Center	Home Log Out Preferences	Record Help	Welcome, system Connected			
View changes and restarts	Home >Summary of Deployment	2				
No pending changes exist. Click the Release	Install Application Assistant					
Configuration button to allow others to edit the domain.	Back Next Finish Car	ncel				
Release Configuration	Locate deployment to install and prepare for deployment					
	Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the p					
Domain Structure	Nata Oslovalid file arthur an	Janland kalani Térren anan kéndurun danlaranak élan undan durun éla(a) an da				
splapp	Note: Unly valid file paths are d	displayed below. If you cannot find your deployment files, upload your file(s) and/or	r confirm that your application contains the required deployment descriptors.			
Deployments	Path:	/scratch/rmbbuild/spl/ORMB26010SF/splapp/applications				
⊞-Services	Recently Used Paths:	/scratch/rmbbuild/spl/ORMB26010SF/splapp/iws/deploy				
Security Realms Interoperability	Current Location:	10.180.87.109 / scratch / rmbbuild / spl / ORMB26010SF / splapp / applicati	ions			

Figure 4: Locate Deployment Screen

6. Select **spl-reporting.ear** node.

	Locate deployment to install an	a prepare for deployment
Release Configuration	Select the file nath that represents t	he annication most directory, arrhive file, evoluted arrhive directory, or annication module descriptor that you want to install. You can also enter the nath of the annication
Domain Structure	directory or file in the Path field.	
splapp	Note: Only valid file paths are displ	yed below. If you cannot find your deployment files, upload your file(s) and/or confirm that your application contains the required deployment descriptors.
Deployments	Path:	/scratch/rmbbuild/spl/ORMB26010SF/splapp/applications/spl-reporting.ear
Services	Recently Used Paths:	/scratch/rmbbuild/spl/ORMB260105F/splapp/ws/deploy
Firsteroperability	Current Location:	10.180.87.109 / scratch / rmbbuild / spl / ORM8260105F / splapp / applications
B-Diagnostics	AtlApp (open directory) Argent appViewer (open	v)
Start and stop a deployed enterprise application	Constant SPLWeb.ear C	
Configure an enterprise application	annViewer war	
Create a deployment plan	chelp ear	
Target an enterprise application to a server	I spl-reporting.ear	
Test the modules in an enterprise application	Back Next Finish Cancel	

Figure 5: Deployment Option

- 7. Click Next.
- 8. Under Choose targeting style section, select **Install this deployment as an application** option and click Next.

	ministration Console 12c		Õ
Change Center	🔒 Home Log Out Preferences 🗠 Record Help	Welcome, system	Connected to: splapp
View changes and restarts	Home >Summary of Deployments		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration Domain Structure reptop B-Environment - Depolyments - Services - Services - Depolyments - Depolyments	Install Application Assistant Back Install Finish Cancel Choose targeting style Targets are the servers, righters, and which bots on which this deployment will run. There are several ways you can target an application. Install this deployment as an application The application and its components will be targeted to the same locations. This is the most common usage. Install this deployment as a library Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applic Back Install Finish Cancel 	ations.	
How do I			

Figure 6: Deployment Option

9. Under Optional Settings, enter default values in all fields and click Next.

ORACLE WebLogic Server Adr	ninistration Console 12c	Q
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Welcome, system Connected to: splapp
View changes and restarts	Home >Summary of Deployments	
No pending changes exist. Click the Release	Install Application Assistant	
Configuration button to allow others to edit the domain.	Back Next Finish Cancel	
Release Configuration	Optional Settings You can modify these settings or accept the defaults	
Domain Structure	* Indicates required fields	
splapp (P : Environment 	General What do you want to name this deployment? * Name: spl-reporting Security	
	What security model do you want to use with this application?	
	\bigcirc DD Only: Use only roles and policies that are defined in the deployment descriptors.	
	O Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the depleted of the second secon	oyment descriptor.
How do I	\bigcirc Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.	

Figure 7: Optional Settings

10. Under Additional Configuration section, select **No**, I will review the configuration later and click Finish.

	ninistration Console 12c					Ģ	
Change Center	Home Log Out Preferences	s 🛃 Record Help	٩			Welcome, system Connected to: spla	
View changes and restarts	Home >Summary of Deployments	>spl-reporting >Roles >S	Summary of Deployments				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Install Application Assistant Back Next Finish Ca Review your choices and cl Click Finish to complete the de Click Finish to complete the de	Install Application Assistant Back Next Enish Cancel Review your choices and click Finish Concel Concel Click Finish to complete the deployment. This may take a few moments to complete. Concel Concel					
Domain Structure	- Additional configuration -						
splapp Environment	In order to work successfully, the	In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?					
Services	Yes, take me to the deploy	oyment's configuratio	on screen.				
Security RealmsInteroperability	No, I will review the cont	figuration later.					
Er-Diagnostics	— Summary —						
	Deployment:	/scratch/rmbbuild/sp	ol/ORMB26010SF/splapp/applica	ations/spl-reporting.ear			
	Name:	spl-reporting					
	Staging Mode:	Use the defaults defi	ined by the chosen targets				
How do I	Plan Staging Mode:	Use the same access	sibilty as the application				

Figure 8: Review Choices

- 11. The spl-reporting ear file will be deployed.
- 12. Click Activate Changes to activate the changes.

ORACLE WebLogic Server Adr	ministra	ation Co	onsole 12c										
Change Center	۲	Home	Log Out Preferences 🔛 Record Help		Q					Welcome,	system	Connected to: sp	
View changes and restarts Pending changes exist. They must be activated to take effect.	He Mes	Home >Summary of Daployments >spl+reporting >Roles >Summary of Deployments Messages The deployment has been successfully installed. You must also activate the pending changes to commit this, and other updates, to the active system.											
Undo All Changes	Sun	nmary	of Deployments										
Domain Structure	Ce	ontrol	Monitoring										
splap B Environment Deployments Services Services Interoperability Diagnostics		This pag deleted f To instal Custom Deployn	e displays a list of Java EE applications and from the domain by first selecting the applic II a new application or module for deployme nize this table nents	stand-alone appl ation name and u nt to targets in th	ication modules that have t using the controls on this p is domain, click the Install	been installed age. button.	to this domain. Installed	applications	and modules can be start	ed, stopped,	updated	(redeployed), or	
	1	Install	Update Delete Start v Stop v							Showing 1	to 5 of 5	i Previous Nex	
		🕒 Na	ime 🌣				State	Health	Туре	Targets	Deplo	yment Order	
How do I	1	• æ	Cohelp				Active	🗸 ок	Enterprise Application	myserver	100		

Figure 9: Activate Changes

13. In the list of Deployments, state of **spl-reporting** changes to **Prepared**.

splapp B - Environment Deployments B - Services - Security Realms B - Theroperability B - Diagnostics	This page displays a list of Jave EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), deleted from the domain by first selecting the application name and using the controls on this page. To install a new application or module for deployment to targets in this domain, click the Install button. Customize this table																				
	De	Deployments																			
	Ir	Install Update Delete Starty Stopy Showing 1 to 5 of 5 Previous Nex							g 1 to 5 of 5 Previous Next												
	C	🕽 Name 🗞		St	tate	Health	Туре	Targets	Deployment Order												
		🗉 🖪 ohelp		Act	ctive	🖋 ок	Enterprise Application	myserver	100												
How do I		🗉 🖪 spl-reporting		Pre	repared	🖋 ок	Enterprise Application	myserver	100												
Configure an enterprise application	E	E SPLService		Act	ctive	🖋 ок	Enterprise Application	myserver	100												
Update (redeploy) an enterprise application Start and stop a deployed enterprise	E	E					C		C	C				E SPLWeb		Act	ctive	🖋 ок	Enterprise Application	myserver	200
application Monitor the modules of an enterprise 		■ ■ Webservices		Act	ctive	🖋 ОК	Enterprise Application	myserver	100												
application Deploy EJB modules	Ir	nstall Update Delete	Start - Stop -					Showin	g 1 to 5 of 5 Previous Next												
Install a Web application	_																				

Figure 10: Deployment State

- 14. To activate the deployed reporting ear file, select **spl-reporting** node and click **Start**.
- 15. Select **Servicing all requests** from the drop-down list. The **Start Application Assistant** page appears.

splapp B Environment ···· Deployments B Services ··· Security Realms B Intercoperability B Diagnostics	This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed deleted from the domain by first selecting the application name and using the controls on this page. To install a new application or module for deployment to targets in this domain, click the Install button.										
	Install Update Delete Start Stop -				Showin	g 1 to 5 of 5 Previous Next					
	Servicing all requests Servicing only administration requests	State	Health	Туре	Targets	Deployment Order					
	E Bohelb	Active	🖋 ок	Enterprise Application	myserver	100					
How do I 🗆	✓ E spl-reporting	Prepared	🖋 ок	Enterprise Application	myserver	100					
 Install an enterprise application 											
Configure an enterprise application	E SPLService	Active	🖋 ОК	Enterprise Application	myserver	100					
 Update (redeploy) an enterprise application 		Activo	all ox	Enterprise Application	mucanuar	200					
 Start and stop a deployed enterprise 		Active	V UK	Enterprise Application	myserver	200					
applicationMonitor the modules of an enterprise		Active	or or	Enterprise Application	mycerver	100					
		Active	• OK	Enterprise Application	myserver	100					
application	Install Update Delete Start Stop V				Showin	a 1 to 5 of 5 Previous Next					
 Deploy EJB modules 					-						
 Install a Web application 											

Figure 11: Activate Deployment

16. Click **Yes** and the status of the deployed reporting ear file changes from Prepared to **Active**.

splapp (B) - Environment "Deployments" (B) - Services "Security Realms (B) - Interoperability (B) - Diagnostics	P	This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeplor deleted from the domain by first selecting the application name and using the controls on this page. To install a new application or module for deployment to targets in this domain, click the Install button.											
	Install Update Delete Start Stop > Showing 1 to 5												
			Name 🌣	State	Health	Туре	Targets	Deployment Order					
	i I		Cohelp	Active	🗸 ок	Enterprise Application	myserver	100					
How do I			E spi-reporting	Active	🖋 ОК	Enterprise Application	myserver	100					
Install an enterprise application Configure an enterprise application			C SPLService	Active	🗸 ок	Enterprise Application	myserver	100					
 Update (redeploy) an enterprise application Start and stop a deployed enterprise 				C SPLWeb	Active	🛩 ок	Enterprise Application	myserver	200				
application Monitor the modules of an enterprise			C B Webservices	Active	🛩 ок	Enterprise Application	myserver	100					
application • Deploy EJB modules		Ins	Install Update Delete Start Stop Showing 1 to 5 of 5 Previous Next										
 Install a Web application 													

Figure 12: Deployment State

Note: For more information, refer to Oracle Revenue Management and Billing Installation Guide.

4.3 Oracle WebLogic

You must download Oracle WebLogic from Oracle Software Delivery Cloud. The supported versions of Oracle WebLogic Server listed in the <u>Error! Reference source not found.</u> section.

5. Oracle Support

You can contact Oracle Support by navigating to http://www.oracle.com/support/index.html