Oracle Fusion Middleware 12c on SLES 12

Oracle Fusion Middleware 12c - Forms and Reports (12.2.1.0) on SUSE Linux Enterprise Server 12 (SP1) for x86-64



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Introduction

This document provides details on installing and configuring Oracle Fusion Middleware 12c Forms and Reports (12.2.1.0) on SUSE Linux Enterprise Server 12 (SP1). Details are provided for Intel x86-64 versions of both Oracle Forms and Reports 12cR2 and SUSE Linux Enterprise Server 12. Similar steps apply to other platforms (x86, ia64, System *z*, etc.). If you encounter issues or have general questions, please post your query to suse-oracle@listx.novell.com.

Official Oracle product documentation is available at: http://docs.oracle.com/en/

System Requirements and Specifications

Hardware Requirements

Requirement	Minimum
CPU	1-GHz CPU
Physical Memory	4 GB
Swap space	Approx. twice the size of RAM
Disk space in /tmp	4 GB
Disk space for software files	4 GB

Software Requirements

SUSE

• SUSE Linux Enterprise Server 12 SP1 - (x86-64) (http://download.suse.de/install)

Oracle

• Database 12cR1 (12.1.0.2.0) - (x86_64) (http://www.oracle.com/technetwork/indexes/downloads/index.html#database)

• Java SE Development Kit 8 (jdk-8u91-linux-x64.tar.gz) (<u>http://www.oracle.com/technetwork/indexes/downloads/index.html#java</u>)

• WebLogic Server 12cR2 (12.2.1) - (Fusion Middleware Infrastructure Installer) (<u>http://www.oracle.com/technetwork/indexes/downloads/index.html#middleware</u>)

• Forms and Reports 12c (12.2.1.0) - (x86_64) (<u>http://www.oracle.com/technetwork/indexes/downloads/index.html#middleware</u>)

Testing machine information

HP DL388 Gen9 Server CPU: 2 * Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz RAM: 64 GB NIC: 8 Local HDD: 2TB OS: SUSE Linux Enterprise Server 12 SP1 (x86-64) - Kernel version: 3.12.49-11-default

Prerequisites

1. Installing SUSE Linux Enterprise Server 12

1-1. Follow the installation document (URL:<u>https://www.suse.com/documentation/sles-12/</u>) to Install SLES 12 SP1 (x86-64) on the target machine.

Figure 1-1 Software Installed as shown below

	Administrator Settings	
File Package Configuration Dependencies View V Search RPM Groups Installation S	YaST2 Options E <u>x</u> tras <u>H</u> elp Summary Patter <u>n</u> s	×
Pattern Pattern Documentation E Help and Support Documentation Base Technologies E Base System E Pattern Y AppArmor E S2-Bit Runtime Environment Image: System XEN Virtualization Host and tools Image: KVM Virtualization Host and tools Image: KVM Virtualization Host and tools Image: System (Appliances) Image: System (Appliances)	Package Summary Installed (Available) Size	
 GNOME Desktop Environment X Window System Development C/C++ Compiler and Tools Primary Functions FIPS 140-2 specific packages File Server 	Description Technical Data Dependencies Versions File List Change Log Cancel Ac	ccept

Administrator Settings ×									
	YaST2 ×								
File	Pack	age Configuration <u>D</u> ependencies	<u>O</u> ptions	E <u>x</u> tras	<u>H</u> elp				
View	/ `	Search RPM Groups Installation	ummary	Patter <u>n</u> s					
		Pattern ~							
		Primary Functions	Y Pa	ckage		Summary		Installed	Size
	4	FIPS 140-2 specific packages	ora	arun tterns-sles	-Minimal	An Environment for Rur Minimal System (Applia	ning Oracle Pro nces)	2.0-12.7	73.0 KiB 53 B
	-6	File Server	∎ pat	tterns-sles	-base	Base System		12-64.3	50 B
		Printing	🗹 pat	tterns-sles	-oracle_server	Oracle Server Base		12-64.3	59 B
	-6	Mail and News Server							
		Web and LAMP Server							
		Infiniband (OFED)							
		Internet Gateway							
	-	DHCP and DNS Server							
	-	Directory Server (LDAP)							
	9	SAP Application Server Base	D <u>e</u> scri	ption <u>T</u> ec	hnical Data D	ependencies <u>V</u> ersions	File List Chang	e Log	
S	-	Oracle Server Base	orarun	n - An Envir	onment for Rur	nning Oracle Products			Î
	R	KVM Host Server	This pa	ickage crea	ates the user a	nd the groups for Oracle	sets the Oracle	environmen	ıt
		Xen Virtual Machine Host Server	automa	es, sets ke ated start	and stop of Ora	rs to values recommende acle components at syste	ed by Oracle, and em start and stop	provides fo time. It als	o
	9	Web-Based Enterprise Manage	include	es depende	ncies for other	software packages need	ed to install and u	ise Oracle,	so that
	4	Subscription Management Tool	install	via YaST2	or that you ar	e otner packages are inc e at least reminded to in	stall them (when	ily (when y Installing vi	ou ia the ≚
	_	-					<u>C</u> a	incel	Accept

Figure 1-2 Software Installed as shown below

Figure 1-3 OS release information and kernel version

```
oracle@hpgen9-01:~> more /etc/os-release

NAME="SLES"

VERSION="12-SP1"

VERSION_ID="12.1"

PRETTY_NAME="SUSE Linux Enterprise Server 12 SP1"

ID="sles"

ANSI_COLOR="0;32"

CPE_NAME="cpe:/o:suse:sles:12:sp1"

oracle@hpgen9-01:~> uname -a

Linux hpgen9-01 3.12.49-11-default #1 SMP Wed Nov 11 20:52:43 UTC 2015 (8d714a0) x86_64 x86_64 x86_64 GNU/Linux

oracle@hpgen9-01:~> []
```

1-2. Special Startup Requirements.

1). Increase the value for kernel parameter.

Change the value of shmmax to 4294967295 by including the following line in '/etc/sysctl.conf'

kernel.shmmax = 4294967295

Change the value of shmall to 9272480 by including the following line in '/etc/sysctl.conf'

kernel.shmall = 9272480

Activate the new SHMMAX setting by running the command:

/sbin/sysctl -p

2). Checking the Open File Limit.

ulimit -n

To change the open file limits, login as root and edit the /etc/security/limits.conf file. Look for the following line:

* soft nofile 1024

Change the values from 1024 to 4096, then reboot the machine.

2. Installing Oracle Database 12cR1

2-1. Log in to the target system (SLES 12 SP1 64-bit OS) as a non-admin user. Download Oracle Database 12cR1 (12.1.0.2) x86_64 from http://www.oracle.com/technetwork/indexes/downloads/index.html#database.

2-2. Oracle Database 12cR1 (12.1.0.2) is officially certified for SLES12 (SP1). For detailed instructions please use Official Oracle Install guides: <u>http://docs.oracle.com/en/database/database.html</u>.

Figure 2-1 Make sure the Database up and running

```
oracle@hpgen9-01:~> export ORACLE_HOME=/home/oracle/app/product/12.1.0/dbhome_1/
oracle@hpgen9-01:~> export ORACLE_SID=suse
oracle@hpgen9-01:~> /home/oracle/app/product/12.1.0/dbhome_1/bin/sqlplus /nolog
SQL*Plus: Release 12.1.0.2.0 Production on Wed Jul 13 15:59:38 2016
Copyright (c) 1982, 2014, Oracle. All rights reserved.
SQL> conn /as sysdba
Connected.
SQL> show sga
Total System Global Area 2.0267E+10 bytes
Aniable Size7053432 bytesDatabase Buffers3758098376 bytesRedo Buffers1.6442E+10 bytesSQL> select59453440 bytes
Fixed Size
                             7653432 bytes
SQL> select name,open_mode from v$database;
NAME
           OPEN MODE
SUSE
           READ WRITE
SQL>
```



	EM Express Lo	ogin – Mozilla Firefox					×
<u>File Edit View History Bookmarks T</u> ools	Help						
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Most Visited ➤ SUSE ➤ ♣Getting Star	ted 🔊 Latest Headlines 🗸	Mozilla Firefox 🔨					
	lanagar Detekses	Eventions 10 -					-
	lanager Database	Express 12 <i>c</i> User Name Password	Login sys ✓ as sysdba Login				
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Eile Edit View Higtory Bookmarks Tools Eile Edit View Higtory Bookmarks Tools E EM Express - Databa × Most Visited SUSE - Databa × Most Visited Configuration Content of the second state of the sec	ed. Oracle is a registered trademark of EM Express - Datab Help #/dbhome/show_regions ted Latest Headlines * Express 12c Security * Reformance * * Performance Activity Class Services 16 12 8 4 0 3:00 PM 3:10 PM Jul 13 * Resources Host CPU 1% 8% 0% 0% 0% 0% 1% 1% 1% 1% 1% 1% 1% 1% 1% 1	Active Sessions Active	M GMT+0800 Auto f M GMT+0800 Auto f A 3:50 PM	aks of their respect Help + Refresh 1 Mini Quiser CPU Data Storage 2 GB 1 GB 5 GB 0 GB	the owners.	ata rary	×

(**Note**: Oracle strongly recommends using the AL32UTF8 character set for database that support Oracle Fusion Middleware. So, please configures the database character set is AL32UTF8.

Da	tabase Configuration Assistant -	- Create Database - Step 2 of 6	×
Creation Mode			
Database Operation		nfiguration	
Creation Mode	<u>G</u> lobal Database Name:	suse	
Prerequisite Checks	<u>S</u> torage Type:	File System 💌	
Sum mary	Database Files Location:	{ORACLE_BASE}/oradata	B <u>r</u> owse
 Progress Page 	F <u>a</u> st Recovery Area:	{ORACLE_BASE}/fast_recovery_area	Br <u>o</u> wse
O Finish	Da <u>t</u> abase Character Set:	AL32UTF8 - Unicode UTF-8 Universal charac	ter set
	Administrative Password :	••••••	
	Confirm <u>P</u> assword:	•••••	
	Create As Container Databa	lse	
	P <u>l</u> uggable Database Name:		
	○ Ad <u>v</u> anced Mode		
Help		< <u>B</u> ack <u>N</u> ext >	Einish Cancel
)			

3. Installing Java

3-1. Log in to the target system (SLES 12 64-bit OS) as a non-admin user. Download Java SE Development Kit 8 (jdk-8u91-linux-x64.tar.gz) from http://www.oracle.com/technetwork/indexes/downloads/index.html#java

3-2. Set environment variables JAVA_HOME and PATH to ensure the proper JDK version is installed and ready for use.

Figure 2-1 Java information

	oracle@hpgen9-01:/	×
File Edit View Search Termina	l Tabs Help	
oracle@hpgen9-01:/ ×	oracle@hpgen9-01:~ × oracle@hpgen9-01:~ × oracle@h	npgen9-01:~/Oracle ×
oracle@hpgen9-01:/> export oracle@hpgen9-01:/> export oracle@hpgen9-01:/> java -v java version "1.8.0_91" Java(TM) SE Runtime Environ Java HotSpot(TM) 64-Bit Ser oracle@hpgen9-01:/>	JAVA_HOME=/opt/oracle/Oracle_SW/Java/jdk1.8.0_91 PATH=\$JAVA_HOME/bin:\$PATH ersion ment (build 1.8.0_91-b14) ver VM (build 25.91-b14, mixed mode)	

(Note: Oracle WebLogic Server 12cR2 (12.2.1) requires JDK 1.8 version.)

4. Installing Oracle WebLogic Server 12cR2

4-1. Log in to the target system (SLES 12 64-bit OS) as a non-admin user. Download the Oracle WebLogic Server 12cR2 (12.2.1) (Fusion Middleware Infrastructure Installer) from http://www.oracle.com/technetwork/middleware/fusion-middleware/fusion-middleware/downloads/index.html.

(**Note:** Please ensure the installation user has the proper permissions to install and configure the software.)

4-2. Go to the directory where you downloaded the installation program. Extract the contents of this .zip (fmw_12.2.1.0.0_infrastructure_Disk1_1of1.zip) file and launch the installation program by running 'java -jar fmw.xxxx.jar'

Install Flow:

1). Installation Inventory Setup.



If this is your first Oracle installation on a host that is running SLES, please use this screen to specify the location of the Oracle central inventory directory and Operating System Group Name, then click **OK** to continue.

2). Welcome.

Or	acle Fusion Middleware 12c Infrastructure Installation - Step 1 of 8 ×
Welcome	
Welcome	
Auto Updates	Welcome to the Oracle Fusion Middleware 12c (12.2.1.0.0) Infrastructure Installer.
Installation Location	Use this installer to create a new Oracle home that contains the Oracle Fusion Middleware
Installation Type	require the Infrastructure into the Oracle home, or you can use the Infrastructure to configure
Prerequisite Checks	a Weblogic Server domain for the deployment of Java and Oracle ADF applications.
Installation Summary	For more information, see <u>Install, Patch, and Upgrade</u> in the Oracle Fusion Middleware documentation library.
Installation Progress	Contact consitive coline halp is pupilable from the Kelp butter
O Installation Complete	context-sensitive online help is available from the <u>n</u> elp button.
	Copyright © 1996, 2015, Oracle and/or its affiliates. All rights reserved.
Help	< Back Next > Finish Cancel

Review the information on this screen carefully to be sure you have performed all the necessary prerequisites, then click **Next** to continue.

3). Auto Updates.

Ora	cle Fusion Middleware 12c Infr	astructure Installation – S	tep 2 of 8	×
Auto Updates		Ē		
Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Installation Progress Installation Complete	Skip Auto Updates Select patches from directory Location: Search My Oracle Support for Username: Password: Proxy Setting: Search	Updates		Erowse
Help	· · · · · · · · · · · · · · · · · · ·	< <u>B</u> ack	<u>N</u> ext > <u>Finis</u>	h Cancel

Select option "Skip Auto Updates" to skip this screen, then click Next to continue.

4). Installation Location.

Orac	e Fusion Middleware 12c Infrastructure Installation – Step 3 of 8	×
Installation Location		
Installation Location Velcome Auto Updates Installation Location Installation Type Prerequisite Checks Installation Summary Installation Progress Installation Complete	Oracle Home: /home/oracle/Oracle/Middleware/Oracle_Home Feature Sets Installed At Selected Oracle Home: View	▼ Browse
	Oracle Home may only contain alphanumeric, underscore (_), hyphen (-) or dot(.) o must begin with an alphanumeric character.	haracters and it
Help	< <u>Back</u> <u>N</u> ext > <u>Fin</u>	ish Cancel

Type the full path of the directory in the Oracle Home field, then click **Next** to continue.

5). Installation Type.

Or	acle Fusion Middleware 12c Infrastructure Installation - Step 4 of 9	×
Installation Type		
 Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Security Updates Installation Summary Installation Progress Installation Complete 	 ● Eusion Middleware Infrastructure ○ Fusion Middleware Infrastructure With Examples ○ Oracle Fusion Middleware 12c Infrastructure 12.2.1.0.0 ○ Core Server Core Application Server 12.2.1.0.0 ○ Web 2.0 HTTP Pub-Sub Server 12.2.1.0.0 ○ WebLogic SCA 12.2.1.0.0 ○ WebLogic Client Jars 12.2.1.0.0 ○ Administrative Tools Administrative Tools Administration Console Additional Language Help Files 12.2.1.0.0 ○ Database Support Thirdparty JDBC Drivers 12.2.1.0.0 ○ Open Source Components Fusion Middleware Maven Support 12.2.1.0.0 ○ JRF and Enterprise Manager WLS for FMW 12.2.1.0.0 ○ Oracle Automatic Diagnostic Repository Feature Set Group FMW Platform Generic 12.2.1.0.0 	
Help	< <u>Back</u> <u>N</u> ext > <u>Finish</u>	Cancel

Use this screen to determine the type of installation you want to perform, then click **Next** to continue.

6). Prerequisite Checks.

Oracle Fus	ion Middleware 12c Infrastructure Installation - Step 5 of 9	×
Prerequisite Checks		
y Welcome		
4 Auto Updates	100%	
Installation Location	Checking operating system certification	
Prerequisite Checks	Checking Java version used to launch the installer	
Security Updates		
Installation Summary		
Unstallation Progress		
O Installation Complete		
Sto	p Rerun Skip View Successful Tasks	View Log
	The sking approxime a state participation	
	Checking Java version used to launch the installer	
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cancel

Prerequisite Checks results will be shown as above, click **Next** to continue.

7). Security Updates.

Orac	cle Fusion Middleware 12c Infras	tructure Installation -	Step 6 of 9	×
Security Updates				
Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Security Updates Installation Summary Installation Complete	Provide your email address to be i and initiate configuration manager Email: wish to receive security updat My Qracle Support Password:	nformed of security issu . <u>View details</u> . Easier for you if you use your es via My Oracle Support	es, install the product	łress/username.
Help		< <u>B</u> ack	: <u>N</u> ext > <u>F</u> inisl	Cancel
Мус)racle Support Username/E	Email Address No	t Specified	

You have not provided an email address. Do you wish to remain uninformed of critical security issues in your configuration?

If you wish to register your installation, enter your Email address and your My Oracle Support password. If you wish to decline registration, deselect "I wish to receive security updates via My Oracle Support" and confirm your choice.

8). Installation Summary.

Orac	le Fusion Middleware 12c Infrastructure Installation - Step 7 of 9 ×
Installation Summary	
Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Security Updates Installation Summary Installation Progress Installation Complete	 Install Oracle Fusion Middleware 12c Infrastructure Installation Location Oracle Home Location: /home/oracle/Oracle/Middleware/Oracle_Home Log File Location: /tmp/Orainstall2016-05-11_03-35-45PM/install2016-05-11_03-35-45PM .log Disk Space Required: 1962 MB Available: 502627 MB Feature Sets to Install Administration Console Additional Language Help Files 12.2.1.0.0 Cle WLS Config 12.2.1.0.0 Enterprise manager 12.2.1.0.0 Thirdparty JDBC Drivers 12.2.1.0.0 Coherence Product Files 12.2.1.0.0 Web 2.0 HTTP Pub-Sub Server 12.2.1.0.0 WebLogic SCA 12.2.1.0.0 WebLogic Client Jars 12.2.1.0.0 WebLogic Client Jars 12.2.1.0.0 Multiform Generic 12.2.1.0.0 For FMW 12.2.1.0.0 Multiform Generic 12.2.1.0.0 Set File Scott 12.2.1.0.0 Set Scott Matter May Scott 12.2.1.0.0 Set Scott Scott 12.2.1.0.0 Set Scott Matter May Scott 12.2.1.0.0 Set Scott Matter May Scott 12.2.1.0.0 Set Scott Scott 12.2.1.0.0 Set Scott 12.2.1.0.0 Set Scott 12.2.1.0.0
Help	< <u>Back</u> <u>Next</u> > <u>Install</u> <u>Cancel</u>

This screen contains a list of the feature sets you selected for installation, along with the approximate amount of disk space to be used by the feature sets once installation is complete. Check the information, then click **Install** to continue.

9). Installation Progress.

Oracle Fu	sion Middleware 12c Infrastructure Installation - Step 8 of 9 x
Installation Progress	
Y Welcome	100%
Installation Location Installation Type Prerequisite Checks Security Updates Installation Summary Installation Progress Installation Complete	Prepare Copy Generating Libraries Performing String Substitutions Linking Setup Saving the inventory Post install scripts
Help	Hardware and Software Engineered to Work Together

This screen shows the progress of the installation. When the progress bar reaches 100%, the installation is complete. Click **Next** to continue.

10). Installation Complete.

Ora	cle Fusion Middleware 12c Infrastructure Installation - Step 9 of 9 ×				
Installation Complete					
 Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Security Updates Installation Summary Installation Progress Installation Complete 	FUSION MIDDLEWARE Install Oracle Fusion Middleware 12c Infrastructure Installation Location Oracle Home Location: /home/oracle/Oracle/Middleware/Oracle_Home Log File Location: /tmp/Oralnstall2016-05-11_03-35-45PM/install2016-05-11_03-35-45PM .log Feature Sets Installed Successfully Administration Console Additional Language Help Files 12.2.1.0.0 CIE WLS Config 12.2.1.0.0 Enterprise manager 12.2.1.0.0 Thirdparty JDBC Drivers 12.2.1.0.0 Coherence Product Files 12.2.1.0.0 Web 2.0 HTTP Pub-Sub Server 12.2.1.0.0 WebLogic SCA 12.2.1.0.0 WebLogic Client Jars 12.2.1.0.0				
	WLS for FMW 12.2.1.0.0 FMW Platform Generic 12.2.1.0.0 OPatch 13.3.0.0 Toplink Developer 12.2.1.0.0 Fusion Middleware Maven Support 12.2.1.0.0 Next Steps: See the online help for next steps after installation. Oracle Fusion Middleware 12c Infrastructure installation completed successfully				
Help	< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel				

This screen appears at the conclusion of the installation. Click **Finish** to dismiss the installer.

Oracle Forms and Reports 12c Installation

1. Installing Oracle Forms and Reports

1-1. Log in to the target system (SLES 12 64-bit OS) as a non-admin user. Download the Oracle Forms and Reports 12c (12.2.1.0) from

http://www.oracle.com/technetwork/indexes/downloads/index.html#middleware.

(Note: Please ensure the installation user has the proper permissions to install and configure the software.)

1-2. Go to the directory where you downloaded the installation program. Extract the contents of this .zip (fmw_12.2.1.0.0_fr_linux64_Disk1_1of1.zip) file and launch the installation program by running 'fmw_12.2.1.0.0_fr_linux64.bin'

Install Flow:

1). Welcome page.

Oracle Forms and Reports Installation - Step 1 of 8				
Welcome				
🥥 Welcome				
Auto Updates	Welcome to Oracle Fusion Middleware 12c (12.2.1.0.0) Oracle Forms and Reports Installer.			
Installation Location	For more information, see Install, Patch, and Upgrade in the Oracle Fusion Middleware			
Installation Type	documentation nordry.			
Prerequisite Checks	Context-sensitive online help is available from the <u>H</u> elp button.			
Installation Summary				
Unstallation Progress				
U Installation Complete				
	Copyright (c) 1999, 2015, Oracle and/or its affiliates. All rights reserved.			
Help	< Back Next > Finish Cancel			

This page welcomes you to the installation. Click Next to continue.

	Oracle Forms and Reports Installation -	Step 2 of 8	×
Auto Updates			
Welcome Auto Updates Installation Location Installation Type Prerequisite Checks Installation Summary Installation Progress Installation Complete	Skip Auto Updates Select patches from directory Location: Search My Oracle Support for Updates Username: Password: Proxy Settings		Browse Test Connection
Help		< <u>Back</u> <u>Next</u> > <u>Fini</u>	sh Cancel

2). The Auto Updates page appears.

This page enables you to choose to automatically receive software updates for your components from Oracle Corporation. make your choices, then click **Next** to continue.



3). The Installation Location page appears.

Specify the Oracle home location into which you want to install the product(s). Click Next to continue.



4). The Installation Type page appears.

You can select **Standalone Forms Builder** if you want only that functionality, or choose **Forms and Reports Deployment** to install all of the products. Click **Next** to continue.

		Oracle	Forms and Reports Installation – Step 5 of 8	×	
P	rerequisite Checks				
Ŷ	Welcome				
4	Auto Updates		100%		
4	Installation Location	A Che	ecking operating system certification		
Ý	Installation Type	A Che	ecking recommended operating system packages		
0	Prerequisite Checks	Che	ecking kernel parameters		
Ý	Installation Summary	V Che	ecking physical memory		
9	Installation Progress	V Che	ecking Java version used to launch the installer		
0	Installation Complete				
		Stop Re	run Skip ✓ View Successful <u>T</u> asks	View Log	
		Checking recommended operating system packages			
			g physical memory		
-		🗄 – 🏈 Checkin	g Java version used to launch the installer	-	
1	Help		< <u>Back</u> <u>N</u> ext > <u>Finish</u>	Cancel	

5). The **Prerequisites Checks** page appears.

This pages shows you the progress of the system checking the prerequisites on your system prior to installation. If you are lacking any prerequisites, a message will appear telling you so. You do not need to take any actions on this page, though you can view the log from here. Click **Next** to continue.



6). The Installation Summary page appears.

This page shows you what components and features are about to be installed. If you need to make changes, click **Back**, otherwise, click **Install** to start the installation.

	Oracle Forms and Reports Installation - Step 7 of 8 ×
Installation Progress	
Velcome	100%
Installation Type Prerequisite Checks Installation Summary Installation Progress	Image: Prepare Image: Copy Image: Copy <tr< td=""></tr<>
Installation Complete	 Clinking Setup Saving the inventory Post install scripts Install scripts
	View Messages View Successful Tasks View Log Hardware and Software Engineered to Work Together
Help	< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel

7). The Installation Progress page appears.

This page shows you the progress of the installation, and will warn you if there are any problems. You can view messages and logs from this page, but typically no action is required here. When progress is complete, click **Next** (go to a Summary page). Alternatively, you can click **Finish**.

8). If you clicked **Next**, the **Installation Complete** page appears, showing you the components that have been installed.

	Oracle Forms and Reports Installation - S	Step 8 of 8	×		
Installation Complete					
9 Welcome	Install Oracle Forms and Reports				
Auto Updates	Installation Location				
Unstallation Location	Oracle Home Location: /home/oracle/Ora	cle/Middleware/Oracle_Home			
	Log File Location: /tmp/OraInstall2016-07	-13_04-20-03PM/install2016-07-13_04	-20-03PM		
O Installation Type	Feature Sets Installed Successfully				
Y Prerequisite Checks	Database Client Components 11.2.0.3.0				
Installation Summary	FMW Upgrade 12.2.1.0.0				
U Installation Progress	Oracle Forms Builder 12.2.1.0.0				
	Oracle Forms Deployment 12.2.1.0.0				
Installation Complete	CIE CAM Shared Config 12.2.1.0.0				
	Enterprise manager Plugin for Forms 12.	2.1.0.0			
	Oracle HTTP Server 12.2.1.0.0 Oracle Reports 12.2.1.0.0 Pre-Existing Feature Sets OPatch 13.3.0.0.0				
	Next Steps:				
	1. Create a domain using the Configuration Wizar	d.			
	 Start Node Manager and Domain Servers. Reference Installing and Configuring Oracle Forms & Reports available on OTN for detailed instructions. 				
	Oracle Forms and Reports installation completed s	successfully			
Help		< <u>B</u> ack Next > Finish	Cancel		

Click Finish to dismiss the installer.

2. Creating Oracle Database Schema through Repository Creation Utility(RCU)

2-1. Repository Creation Utility (RCU) is available with the Oracle WebLogic Server 12cR2 Fusion Middleware Infrastructure distribution. Run \$FMW_HOME/oracle_common/bin/rcu.sh

Follow these steps:

1). The **Welcome** page appears.

	Welcome - Step 1 of 8 ×
Welcome	
🥥 Welcome	Welcome to Repository Creation Utility 12.2.1.0.0 for Oracle Fusion Middleware.
Create Repository	The Repository Creation Utility enables you to create and drop database schemas that are required
Database Connection Details	Tor Oracle Fusion Middleware products.
Select Components	
Schema Passwords	
Map Tablespaces	
🧅 <u>Summary</u>	
Completion Summary	
	Copyright © 1996,2015, Oracle and/or its affiliates. All rights reserved.
Help	< Back Next > Finish Cancel

Click Next to continue.

2). The Create Repository page appears.



Select Create Repository, and System Load and Product Load (default). Click Next to continue.

3). The **Database Connection Details** page appears.

		Welcome - Step 3 of 8 X
Repository Creation Uti	lity	
Welcome	<u>D</u> atabase Type:	Oracle Database
Database Connection Det Select Components Schema Passwords	Host Na <u>m</u> e:	hpgen9-01 For RAC database, specify VIP name or one of the Node name as Host name. For SCAN enabled RAC database, specify SCAN host as Host name.
Map Tablespaces Summary Completion Summary	P <u>o</u> rt: <u>S</u> ervice Name:	1521 suse
	<u>U</u> sername:	sys User with DBA or SYSDBA privileges. Example:sys
	<u>P</u> assword:	••••••
	<u>R</u> ole:	SYSDBA One or more components may require SYSDBA role for the operation to
Help		< <u>Back</u> <u>N</u> ext > <u>Finish</u> Cancel

Enter the RCU DB connection information as shown in the screen below. Click Next to continue.

The Checking Prerequisites box pops up.

		Welcome - Step 3 of 8			×
Repository Creation	on Utility		FUS	ORACLE [®]	
♥ <u>Welcome</u> ↓ ↓ Create Repository	<u>D</u> atabase Type:	Oracle Database			•
Database Connection Select Components Schema Passwords	n Det Host Na <u>m</u> e:	hpgen9-01 For RAC database, specify V For SCAN enabled RAC data	/IP name or one o base, specify SCA	f the Node name as N host as Host nar	s Host name. ne.
Map Tablespaces	Repository Cr	eation Utility – Checking	Prerequisites		
Ope	Initializing repository cor Obtain properties of the Check requirement for s ration completed. Click OK	nfiguration metadata specified database pecified database to continue to next page.	00:00.721 00:00.101 00:01.407	(ms) (ms) 7(sec)	ration to
✓ <u>H</u> elp	•		< <u>B</u> ack	<u>N</u> ext > <u>F</u> inis	h Cancel

It shows the progress of prerequisites checking. When it is complete, click **OK**.

4). The Select Components page appears.

	Welcome	- Step 4 of 8			×
Select Components			FU		
Welcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces	Specify a unique prefix for all sc and manage the schemas later. Select existing prefix: Create new prefix:	hemas created in th	nis session, s /. Cannot sta	so you can easily lo	vo special
	Component			Schema Owner	
Summary	□□ Oracle AS Repository	□□ Oracle AS Repository Components			
O Completion Summary ■ B AS Common Schemas					
	User Messaging	Service		UMS	
	□ Metadata Servic	ces		MDS	
		ructuro Sonvicor		WLS	
	Common Infrastructure Services			SUSEDEMO OPSS	
	Moracle Platform Security Services			SUSEDEMO JALI	
				SUSEDEMO IAU APPEND	
	Audit Services Viewer			SUSEDEMO IAU VIEWER	
Help		(< <u>B</u> ack	<u>N</u> ext > Ein	ish Cancel

Select the **Create new prefix** radio button and provide a schema prefix (such as DEMO). Select the following components: **Oracle Platform Security Services**, **Audit Services**, **Audit Services Append** and **Audit Services Viewer**. Click **Next** to continue.

The Checking Prerequisites box pops up.

			Welcome -	- Step 4 of 8		×
Se	lect Compone	nts				
	Welcome Create Repository Database Connection Select Components	<u>ı Details</u>	Specify a unique prefix for all scl and manage the schemas later.	nemas created in t	his session, so you can ea	asily locate, reference,
ľ	<u>Schema Passwort</u> Map Tablespaces	1	Repository Creation Utili	ty – Checking P	rerequisites	: No special
	Map Tablespaces Summary Completion Summ Completion Summ Audi Audi Operation		Component Prerequisites mon Infrastructure Services le Platform Security Services t Services Append t Services Viewer	o next page.	00:00.100(ms) 00:00.101(ms) 00:00.100(ms) 00:00.101(ms) 00:00.101(ms)	wner
	<u>H</u> elp				< <u>B</u> ack <u>N</u> ext >	<u>Finish</u> Cancel

It shows the progress of prerequisites checking. When it is complete, click **OK**.

5). The Schema Passwords page appears.

	Welcome - Step 5 of 8		×
Repository Creation U	Itility		7)
Welcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Define passwords for main and auxiliary schema user • Use same passwords for all schemas Password: Alpha numeric only.Cannot star No special characters except: \$ Confirm Password: ••••••• Use main schema passwords for auxiliary schemar Specify different passwords for all schemas	rs. t with a number. 5, # , _ ,	
Help		< Back Next > Finish	Cancel

Leave the default **Use same passwords for all schemas** radio button selected, and enter the password in the **Password** field. Click **Next** to continue.
6). The **Map Tablespaces** page appears.

Welcome - Step 6 of 8 ×				
Repository Creation U	tility			
Welcome Create Repository Database Connection Details Select Components	Default and temporary tab To create new tablespace:	lespaces for the select s or modify existing tab	ed components appear in lespaces, use the Manage	the table below. Tablespaces Button Manage <u>T</u> ablespaces
Schema Passwords Map Tablespaces Summary Completion Summary	Component Common Infrastructu Oracle Platform Secu Audit Services Audit Services Append Audit Services Viewer	Schema Owner SUSEDEMO_STB SUSEDEMO_OPSS SUSEDEMO_IAU SUSEDEMO_IAU_A SUSEDEMO_IAU_VI	Default Tablespace *SUSEDEMO_STB *SUSEDEMO_IAS_OPSS *SUSEDEMO_IAU *SUSEDEMO_IAU *SUSEDEMO_IAU	Temp Tablespace *SUSEDEMO_IAS_TEMP *SUSEDEMO_IAS_TEMP *SUSEDEMO_IAS_TEMP *SUSEDEMO_IAS_TEMP *SUSEDEMO_IAS_TEMP
	* Default tablespaces (spe	cified in the configurat	ion files) are to be created	upon confirmation.
Help			< <u>B</u> ack <u>N</u> ext >	<u>Finish</u> Cancel

Map action is required. Click **Next** to continue.

A Repository Creation Utility box pops up, requiring your confirmation.

	We	lcome – Step 6 of 8		
Repository Creation U	Itility			
 Welcome Create Repository Database Connection Details Select Components 	Default and temporary ta To create new tablespac	ablespaces for the sele es or modify existing to	cted components appear ablespaces.use the Mana	in the table below. Ige Tablespaces Button Manage <u>T</u> ablespaces
Schema Passwords	Component	Schema Owner	Default Tablespace	Temp Tablespace
A Mark Tablesson	Common Infrastructu	SUSEDEMO STR	*SUSEDEMO_STR	*SUSEDEMO_IAS_TEMP
Map Tablespaces Summary Completion Summary	Ora Auc Auc Auc Auc Click Click * Default tablespaces (s)	tablespaces that do no selected schemas will the k OK to create tablespa k Cancel to return to the pecified in the configura	Confirmation t already exist in be created. ces. a wizard. QK <u>Cancel</u> ation files) are to be crea	ted upon confirmation.
Help			< Back Next :	Finish Cancel
1000			S Back Hoxes	

Click OK.

A **Creating Tablespaces** pop up appears, showing the progress of tablespace creation.

	١	Welcome – Step 6 of 8	Ú	
Repository Creation L	Itility			
Welcome Create Repository Database Connection Details Select Components	Default and temporar To create new tables	y tablespaces for the sele paces or modify existing t	cted components appear in ablespaces, use the Manag	n the table below. e Tablespaces Button Manage <u>T</u> ablespaces
🖉 Schema Passwords	Component	Schema Owner	Default Tablespace	Temp Tablespace
Map Tablespace Summary Completion Sumr Validating Creation Operation Operation	Repository Creating Tablespace required ate tablespace required ate tablespaces in the completed. Click OK to * Default tablespaces	eation Utility - Creatin aces ments for selected com a repository database o continue to next page.	g Tablespaces	Ed upon confirmation.
Help			< <u>B</u> ack <u>N</u> ext >	EinishCancel

Click OK, then Next.

7). The **Summary** page appears, showing your actions and choices.

		Welcome - :	Step 7 of 8		×
Re	pository Creation U	tility			
	<u>Welcome</u> <u>Create Repository</u> <u>Database Connection Details</u> <u>Select Components</u> <u>Schema Passwords</u>	Database details: Host Name Port Service Name Connected As Operation	hpgen9-01 1521 SUSE sys System and D	ata Load concurrer	thy
-	Map Tablespaces Summary	Prefix for (prefixable) Schema Own	iers SUSEDEMO		,
0	completion summary	Component Common Infrastructure Services Oracle Platform Security Services	Schema Owner SUSEDEMO_STB SUSEDEMO_OPSS	Tablespace Type Default Temp Additional Default Temp	Tablespace Name SUSEDEMO_STB SUSEDEMO_IAS_TEMP None SUSEDEMO_IAS_OPSS SUSEDEMO_IAS_TEMP
		Audit Services	SUSEDEMO_IAU	Additional Default Temp Additional	None SUSEDEMO_IAU SUSEDEMO_IAS_TEMP None
		Audit Services Append	SUSEDEMO_IAU_APPEND	Default Temp Additional	SUSEDEMO_IAU SUSEDEMO_IAS_TEMP None
		Audit Services Viewer	SUSEDEMO_IAU_VIEWER	Default Temp Additional	SUSEDEMO_IAU SUSEDEMO_IAS_TEMP None
•		Save <u>R</u> esponse File			
	<u>H</u> elp		< <u>B</u> ack	<u>N</u> ext >	<u>C</u> reate Cancel

Click **Create** to continue.

A **System Load** progress box appears, showing progress. The box will disappear when complete.

		Welco	me - Step 7 of 8		×
Repository	Creation U	Itility			
Welcome Create Repose Database Con Select Compo- Schema Pass Map Tablespi Summary Completion S	sitory nnection Details onent aces Repositor aces aces aces aces aces aces aces aces	Database details: Host Name Port Service Name Repository Creat y System Load in progress. Sute pre create operations mon Infrastructure Services t Services Append t Services Viewer t Services Cle Platform Security Service Sute post create operations	hpgen9-01 1521 cuce ation Utility - System Loa 0 5 0 5 0 2 5 0 5 0 5 0 5 0 5 0 5 0 5 0	Ind Ind Ind Ind Ind Ind Ind Ind	Tablespace Name USEDEMO_STB USEDEMO_IAS_TEMP one USEDEMO_IAS_OPSS USEDEMO_IAS_TEMP one USEDEMO_IAU USEDEMO_IAU SUSEDEMO_IAU SUSEDEMO_IAU SUSEDEMO_IAU SUSEDEMO_IAU SUSEDEMO_IAU SUSEDEMO_IAS_TEMP None
▲ <u>H</u> elp	Þ	Save <u>R</u> esponse File	< <u>E</u>	ack <u>N</u> ext >	<u>C</u> reate Cancel

8). The **Completion Summary** page appears.

	v	Velcome – St	ep 8 of 8		×
Repository Creation U	Itility				
Welcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Database details: Host Name Port Service Name Connected As Operation Execution Time RCU Logfile Component Log Directory View Log Prefix for (prefixable) Schema Owners	hpgen9-01 1521 SUSE sys System and D 1 minute 2 s /tmp/RCU201 /tmp/RCU201 rcu.log SUSEDEMO	0ata Load concu seconds 6-07-13_16-30_4 6-07-13_16-30_4	rrently 132390689/logs/rcu.log 132390689/logs	9
	Compo Common Infrastructur Oracle Platform Secur Audit Services Audit Services Append Audit Services Viewer	nent re Services rity Services	Success Success Success Success Success Success	Time 00:09.359(sec) 00:13.945(sec) 00:12.135(sec) 00:09.195(sec) 00:09.200(sec)	Logfile(Click to view) stb.log opss.log iau.log iau_append.log iau_viewer.log
Help				< <u>B</u> ack <u>N</u> ext >	<u>C</u> reate <u>C</u> lose

Ensure schema creation is successful. Click **Close** to dismiss the screen.

3. Configuring Oracle Forms and Reports using the Config Wizard

3-1. In order to complete the configuration. Run the config wizard using **config.sh** located in the **ORACLE_HOME/oracle_common/common/bin** directory.

Follow these steps:

1). Choose Create a new domain, and enter the desired domain home path.

	Fusion Middleware Configuration Wizard - Pag	e 1 of 8	×
Configuration Type			
Create Domain <u>Templates</u> Administrator Account Domain Mode and JDK Advanced Configuration <u>Configuration Summary</u> Configuration Progress End Of Configuration	What do you want to do? Create a new domain Update an existing domain Domain Location: le/Middleware/Oracle_Home/user_pu Create a new domain.	rojects/domains/base_dom	nain B <u>r</u> owse
<u>H</u> elp	< <u>B</u> at	ck <u>N</u> ext > <u>F</u> inis	h Cancel

Click Next to continue.

	Fusion Middleware Configuration Wizard - Page 2 of 14	×
Templates		
Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Managed Servers Clusters Assign Servers to Clusters Coherence Clusters Machines Assign Servers to Machines Configuration Summary Configuration Progress End Of Configuration	 Create Domain Using Product Templates: Template Categories: All Templates Available Templates Basic WebLogic Server Domain - 12.2.1 [wlserver] * Oracle Reports Server - 12.2.1 [ReportsServerComponent] Oracle Reports Bridge - 12.2.1 [ReportsBridgeComponent] Oracle Reports Application (upgrade only) - 12.2.1 [reports] Oracle Reports Application - 12.2.1 [reports] Oracle Reports Tools - 12.2.1 [ReportsToolsComponent] Oracle HTTP Server (Collocated) - 12.2.1 [ofs] Oracle Forms (upgrade only) - 12.2.1 [forms] Oracle Forms (upgrade only) - 12.2.1 [forms] Oracle Enterprise Manager - 12.2.1 [em] Oracle User Messaging Service Basic - 12.2.1 [oracle_common] Oracle HTTP Server (Restricted JRF) - 12.2.1 [ohs] Oracle WSM Policy Manager - 12.2.1 0 Igracle_common] Oracle WSM Policy Manager - 12.2.1 0 Igracle_common] Oracle WSM Policy Manager - 12.2.1 [ohs] Oracle WSM Policy Manager	
Help	< Back Next > Finish	Cancel

2). The Templates screen appears.

Keep the default selection (Create Domain using Product Templates), and select Oracle Forms – 12.2.1 components and Oracle Reports – 12.2.1 components. Click Next to continue.

	Fusion Middleware	e Configuration Wizard	l – Page 3 d	of 12		×
Application Location						
Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Domain name: Domain location: Application location:	base_domain :/oracle/Oracle/Middlewar dleware/Oracle_Home/us	e/Oracle_Hor ser_projects/	me/user_projec	:ts/domains ise_domain	s Br <u>o</u> wse
Help			< <u>B</u> ack	<u>N</u> ext >	<u>F</u> inish	Cancel

3). The Application Location screen appears.

Keep the default value for Application location.Click **Next** to continue.

	Fusion Middlewa	re Configuration Wizard	- Page 4 of 12	×
Administrator Account				
Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Name Password Confirm Password Must be the same a at least one number	weblogic s the password. Password r or special character.	nust contain at least 8 alph	anumeric characters with
Help			< <u>B</u> ack <u>N</u> ext >	<u>F</u> inish Cancel

4). The Administrator Account screen appears.

Enter the WebLogic Domain administration username and password. This information will be needed to access WebLogic Server Control and Fusion Middleware Control. Click **Next** to continue.

	Fusion Middleware Configuration Wizard – Page 5 of 12	×
Domain Mode and JDK		
Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Domain Mode	:o deploy. ns to deploy. B <u>r</u> owse
Help	< <u>Back</u> <u>N</u> ext > <u>Finish</u>	Cancel

5). The Domain Mode and JDK screen appears.

Select the Domain Mode (either **Development** or **Production**). For our purposes, select **Production**. Leave the default JDK selection as it appears, unless using another version of the JDK desired.

(**Note**: Your Oracle Forms and Reports installation can only be secured with Identity Management if you are configuring your components in deployment mode.)

6). The Database Configuration Type screen appears.

Fusion Middleware Configuration Wizard - Page 6 of 12 ×			
Database Configuration	Гуре		
Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Ty Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Specify AutoConfiguration Options Using: <u>R</u> CU Data <u>M</u> anual Configuration Enter the database connection details using th schema credentials. The Wizard uses this con required for components in this domain. Vendor: Oracle Driver: DBMS/Service: suse Host N Schema Owner: SUSEDEMO_STB Schem Get RCU Configuration Gancel Connection Result Log Connecting to the database serverOK Retrieving schema data from database server Binding local schema components with retrieve Successfully Done.	ne Repository Creation Utility service table (STB) nection to automatically configure the datasources *Oracle's Driver (Thin) for Service connections; • ame: hpgen9-01 Port: 1521 a Password: •••••••	
Help		< Back Next > Finish Cancel	

Enter the RCU DB connection information, then click **Get RCU Configuration**. You should receive a success message. Click **Next** to continue.

Oracle Fusion Middleware 12c on SLES 12

		Fusion Middleware Co	onfiguratio	on Wizard - I	Page 7	of 12	×
JI	DBC Component Schema	a					
***	Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources	Vendor: DBMS/Service: Schema Owner: Oracle RAC configuration O Convert to G Edits to the data above	i for compo ridLink (will affect al	Driver: Host Name Schema Pa nent schemas: Convert to R/	:: assword: AC multi	data source O Don't o	convert
	<u>IDBC Test</u> <u>Advanced Configuration</u> <u>Configuration Summary</u> Configuration Progress End Of Configuration	Component Schema Corps Audit Schema OPSS Audit Viewer S OPSS Schema	a DBMS/S SUSE SUSE SUSE SUSE	Host Name hpgen9-01 hpgen9-01 hpgen9-01	Port 1521 1521 1521 1521	Schema Owner SUSEDEMO_STB SUSEDEMO_IAU_APPEND SUSEDEMO_IAU_VIEWER SUSEDEMO_OPSS	Schema Pass
	Help				< <u>B</u> ack	Next >	Cancel

7). The JDBC Component Schema screen appears.

Our instructions assume each Repository schema uses the same password. If not, enter the correct schema passwords. Click **Next** to continue.

×

.

Fusion Middleware Configuration Wizard - Page 8 of 12 ORACLE JDBC Component Schema Test FUSION MIDDLEWARE Create Domain Status Component Schema JDBC Connection URL ~ LocalSvcTbl Schema jdbc:oracle:thin:@//hpgen9-01:1521/SUSE 0 -Templates OPSS Audit Schema jdbc:oracle:thin:@//hpgen9-01:1521/SUSE 1 ~ Application Location ~ 1 OPSS Audit Viewer : jdbc:oracle:thin:@//hpgen9-01:1521/SUSE Administrator Account ~ 1 OPSS Schema jdbc:oracle:thin:@//hpgen9-01:1521/SUSE Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Test Selected Connections Cancel Testing Configuration Summary Configuration Progress Connection Result Log Component Schema=LocalSvcTbl Schema End Of Configuration Driver=oracle.jdbc.OracleDriver URL=jdbc:oracle:thin:@//hpgen9-01:1521/SUSE User=SUSEDEMO STB Password=***** SQL Test=SELECT 1 FROM DUAL CFGFWK-64213: Test Successful! CEGBWK-64213: IDBC connection test was successful Help < Back Next > Cancel

8). The JDBC Component Schema Test screen appears.

The tests are run and the results given. Ensure all test results are successful.Click Next to continue.

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9). The Advanced Configuration screen appears.

Choose the services on your requirements, then click Next to continue.

	Fusion Middleware (Configuration Wizar	d – Page 10	of 18		×
Managed Servers						
Templates	👍 🖓 🕞 Cl	one 🔀 <u>D</u> elete			🔊 Dis <u>c</u> a	rd Changes
Application Location Administrator Account	Server Name	Listen Address	Listen Port	Enable SSL	SSL Listen Port	Server Groups
Domain Mode and IDK	WLS_FORMS	192.168.1.190 💌	9001		Disabled	FORMS-MA
	WLS_REPORTS	192.168.1.190 💌	9002		Disabled	REPORTS 🔻
 <u>Component Datasources</u> <u>JDBC Test</u> <u>Advanced Configuration</u> <u>Managed Servers</u> <u>Clusters</u> <u>Assign Servers to Clusters</u> <u>Coherence Clusters</u> <u>Machines</u> <u>Assign Servers to Machines</u> <u>Configuration Summary</u> <u>Configuration Progress</u> End Of Configuration 						
Help			< <u>B</u> ack	<u>N</u> ext >	<u>F</u> inish	Cancel

10). The Managed Servers screen appears.

Verify that the Server Groups is set to FORMS-MAN-SVR (for Forms) and REPORTS-APP-SERVERS (for Reports). Click **Next** to continue.

Fusion Middleware Configuration Wizard - Page 11 of 18					×	
(Clusters					
个个	<u>Create Domain</u> <u>Templates</u>	👍 Add 🗶	Delete		i g c	is <u>c</u> ard Changes
9	Application Location	Cluster Name	Cluster Address	Frontend Host	Frontend HTTP Port	Frontend HTTPS Port
Ĩ	Administrator Account	cluster_forms			0	0
Ĭ	Domain Mode and JDK	cluster_reports			0	0
Ĭ	Component Datasources					
Ĭ						
Ĭ	Advanced Configuration					
T	Managed Servers					
J	Clusters					
J	Assign Servers to Clusters					
	Coherence Clusters					
ų	Machines					
Ļ	Assign Servers to Machines					
ų	Configuration Summary					
Ļ	Configuration Progress	* *				
9	End Of Configuration					
	<u>H</u> elp			< <u>B</u> ack	<u>N</u> ext > <u>F</u> inis	h Cancel

11). The **Clusters screen** appears.

Default entries will be acceptable in most cases, unless adding new clusters is desirable. Click **Next** to continue.

	Fusion Middleware Configuration Wizard	– Pag	e 12 of 18		×
Assign Servers to Cluste	rs				
A Create Domain	Servers		Clusters		
Templates			WLS FORMS		
Application Location			o cluster_reports		
Administrator Account			WLS_REPORTS		
Domain Mode and JDK					
Database Configuration Type					
Component Datasources		8			
JDBC Test					
Advanced Configuration					
Managed Servers					
Clusters					
Assign Servers to Clusters		<u></u>			
Coherence Clusters					
w <u>Machines</u>					
Assign Servers to Machines					
Configuration Summary					
Configuration Progress					
5 End Of Configuration	Select one or more servers in the left pane an arrow button (>) to assign the server or server	d one s to th	cluster in the right par e cluster.	ne. Then	use the right
	-				
Help		< <u>B</u>	ack <u>N</u> ext >	<u>F</u> inish	Cancel

12). The Assign Servers to Clusters screen appears.

The default values will be appropriate for most cases. However, if new managed servers were added in the previous step, they should be added to the cluster here. Click **Next** to continue.

	Fusion Middleware Configuration Wiz	ard – Page 13 of 18	×
Coherence Clusters			
Templates			🔊 Dis <u>c</u> ard Changes
Application Location	Cluster Name	Cluste	r Listen Port
Administrator Account	defaultCoherenceCluster	0	
Domain Mode and JDK			
Database Configuration Type	L		
Component Datasources			
UDBC Test			
Advanced Configuration			
Managed Servers			
Ulusters			
Assign Servers to Clusters			
Coherence Clusters			
w <u>Machines</u>			
Assign Servers to Machines			
Configuration Summary			
Configuration Progress			
ပ် End Of Configuration			
Help		< <u>B</u> ack <u>N</u> ext >	<u>Finish</u> Cancel

13). The **Coherence Clusters** screen appears.

The default values will be appropriate for most cases. Click **Next** to continue.

Machines Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Managed Servers Clusters Assign Servers to Clusters Coherence Clusters Machines		Fusion Middleware Configura	ation Wizard – Page 14 of 18		×
Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Managed Servers Clusters Assign Servers to Clusters Coherence Clusters Machines	Machines				
Machines	Create Domain Templates Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Managed Servers Clusters Assign Servers to Clusters Coherence Clusters	Machine Unix Machine	FUSION N Node Manager Listen Address	Dis <u>c</u> ard Changes Node Manager Listen Por 5	t 556
Assign Servers to Machines Configuration Summary Configuration Progress End Of Configuration Help	Machines Assign Servers to Machines Configuration Summary Configuration Progress End Of Configuration Help	* •	< Back Next	- Finish Cance	

14). The **Machines** screen appears.

You can use this screen to override the machine name or add addition Machine names for extend domain. Click **Next** to continue.

e	Fusion Middleware Configuration Wizard	- Pag	je 15 of 18	×
Assign Servers to Machin	ies			
🔍 Create Domain	Servers		Machines	
Templates			🗁 Machine	
Application Location			AdminServer	
Administrator Account			WLS_FORMS	
Domain Mode and IDK			WLS_REPORTS	
Detabase Configuration Type				
Unitabase Configuration Type				
Component Datasources		4		
UDBC Test				
Advanced Configuration				
Managed Servers				
Clusters				
Assign Servers to Clusters				
Coherence Clusters				
Wachines				
Assign Servers to Machine				
Configuration Summary				
Configuration Progress				
C End Of Configuration	Select one or more servers in the left pane an	d one	machine in the right pane. Th	en use the right
e end of configuration	arrow button (>) to assign the server or server	s to th	e machine.	
Help		< <u>E</u>	Back Next > Einish	Cancel

15). The Assign Servers to Machines screen appears.

Move the AdminServer to the AdminServerMachine by clicking the '>' button. Click **Next** to continue.

Fusion Middleware Configuration Wizard - Page 16 of 20 ×						
System Components						
Templates	. 👍 Add 🛛 🗙 Dele	ete		🔊 Dis <u>c</u> ard Changes		
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System Components						
Assign System Component	* *					
Configuration Summary						
Configuration Progress						
ပ် End Of Configuration						
Help			< <u>B</u> ack <u>N</u> ext >	<u>F</u> inish Cancel		

16). The System Components screen appears.

The default values will be appropriate for most cases. You can add additional Forms or other System Component instances on this screen (for extend domain scenario). Click **Next** to continue.

r.	Fusion Middleware Configuration Wizard	- Page 17	of 20		×
Assign System Compone	ents to Machines				
🔔 Create Domain	System Component	M	achines		
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Assign Servers to clusters					
Coherence Clusters					
🦕 <u>Machines</u>					
Assign Servers to Machines					
System Components					
Assign System Compone	• •				
Configuration Summary	Select one or more system components in the	left pane an	nd one machin	e in the right	t pane. Then
Configuration Progress	use the right arrow button (>) to assign the sys	tem compor	ient or compor	ients to the	machine.
O End Of Configuration					
Holp	L	e Back	Nexts	Finish	Cancol
Пеір			Mext >	Einish	Cancer

17). The Assign System Components screen appears.

The default values will be appropriate for most cases. Click **Next** to continue.



18). The Configuration Summary screen appears.

Select Create to accept the above options and start creating and configuring a new domain.

Fusion Middleware Configuration Wizard - Page 19 of 20 × ORACLE **Configuration Progress** FUSION MIDDLEWARE Create Domain R 100% Templates Application Location Preparing.. Extracting Domain Contents.. Administrator Account Creating Domain Security Information... Starting OPSS Security Configuration Data Processing.. Domain Mode and JDK The OPSS Security Configuration Data Processing Completed... Database Configuration Typ Saving the Domain Information... Storing Domain Information... Component Datasources String Substituting Domain Files... Performing OS Specific Tasks... JDBC Test Performing Post Domain Creation Tasks... Advanced Configuration Starting OPSS Security Configuration Commit Task... The OPSS Security Configuration Completed... Managed Servers Domain Created Successfully! Clusters Assign Servers to Clusters Coherence Clusters Machines Assign Servers to Machines System Components Assign System Component Configuration Summary **Configuration Progress** End Of Configuration -< Back Finish <u>H</u>elp Next > Cancel

19). The Configuration Progress screen appears.

Wait for this part of the configuration to complete. Depending on the location and performance of the Repository database, this process may take a few minutes. Click **Next** to continue.



20). The End of Configuration screen appears.

Once you see: "Oracle Weblogic Server Configuration Succeeded", record the 'Domain Location' and 'Admin Server URL', then click Finish to dismiss the Configuration Wizard.

4. Verifying Oracle Forms and Reports Installation and Configuration

4-1. Check for the presence of installation log files in logs directory inside your Oracle Inventory directory. Also, check the domain server logs, which are located in the servers directory inside the domain home directory.

4-2. Starting the Node Manager and the AdminServer.

Starting the Node Manager, go to the DOMAIN_HOME/bin directory and run ./startNodeManager.sh > nm.out&

oracle@hpgen9-01:ns/base_domain/bin	:
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oracle@hpgen9 × oracle@hpgen9 × oracle@hpgen9 × oracle@hpgen9 × oracle@hpgen9 ×	
<pre>oracle@hpgen9-01:/home/oracle/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/bin> ./startNodel anager.sh > nm.out& [1] 7112 oracle@hpgen9-01:/home/oracle/Oracle/Middleware/Oracle_Home/user_projects/domains/base_domain/bin> + /opt/oracle e/Oracle_MWJava/jdkl.8.0_91/bin/java -server -Xms32m -Xmx200m -Dcoherence.home=/home/oracle/Oracle/Middleware/Oracle_Home/ulserver/Oreports. oOracle_Home/wlserver//coherence -Dbea.home=/home/oracle/Oracle_Middleware/Oracle_Home/ulserver/Oreports. oOracle_Home/wlserver//ooherence -Dbea.home=/home/oracle/Oracle/Middleware/Oracle_Home/ulserver/Oreports. oOracle/Middleware/Oracle_Home/racle/Oracle/Middleware/Oracle_Mome/Apports.product.home=/home/oracle/Oracle/Middleware/Oracle_Home/verserverComponent -Dforms.product.home=/home/oracle/Oracle/Middleware/Oracle_Mome/oracle/Oracle/Middleware/Oracle_Mome/oracle/Oracle/Middleware/Oracle/Middleware/Oracle_Home/verserverComponent -Dforms.product.home=/home/oracle/Oracle/Middleware/Oracle_Middleware/Oracle_Middleware/Oracle_Middleware/Oracle_Middleware/Oracle_Middleware/Oracle_Middleware/Oracle/Middleware/Oracle_Home/verserverComponents.home=/home/oracle/Oracle/Middleware/Oracle_Home/verserver/Dise.xml -Dcommon.components.home=/home/oracle/Oracle/Middleware/Oracle_Home/verserver/Lib/weblogic.LaunchClassLoader -Djava.security.policy=/home; oracle/Oracle_Middleware/Oracle_Home/verserver/Lib/weblogic.policy -Dweblogic.nodemanager.JavaHome=/oracle_Home/verserver/Lib/weblogic.policy -Dweblogic.comdenverserver/Demovelogic.ordemanager.JavaHome=/oracle_Home/verserver/Lib/weblogic.policy -Dweblogic.comdenverserver/Lib/weblogic.policy -Dweblogic.comdenverserver/Demove/oracle_Home/verserver/Lib/weblogic.policy -Dweblogic.comdenverserver/Demove/oracle_Home/verserver/Lib/weblogic.policy -Dweblogic.comdenverserver/Demove/oracle_Home/verserver/Demove/oracle_Middleware/Oracle_Home/verserver/Lib/weblogic.policy -Dweblogic.comdenverserver/Demove/oracle_Home/verserver/Lib/weblogic.policy -Dweblogic.comdenverserver/Demove/or</pre>	
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Starting the Admin Server, go to the DOMAIN_HOME/bin directory and run ./startWebLogic.sh.

oracle@hpgen9-01:ns/base_domain/bin ×
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oracle@hpgen9 × oracle@hpgen9 × oracle@hpgen9 × oracle@hpgen9 × oracle@hpgen9 ×
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<13-Jul-2016 17:16:24 o'clock GMT+08:00> <info> <security> <bea-090905> <disabling cryptoj="" jce="" provider="" sel<br="" the="">f-integrity check for better startup performance. To enable this check, specify -Dweblogic.security.allowCrypto DefaultICEVerification=true ></disabling></bea-090905></security></info>
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<pre></pre> /// Constant Consta
All 0. 573 bootstrap service started. (33-Jul-2016 17:16:25 o'clock GMT+08:00> <info> <rcm> <bea-2165021> <"ResourceManagement" is not enabled in thi s JVM. Enable "ResourceManagement" to use the WebLogic Server "Resource Consumption Management" feature. To ena ble "ResourceManagement", you must specify the following JVM options in the WebLogic Server instance in which t he JVM runs: -XX:+UnlockCommercialFeatures -XX:+ResourceManagement.></bea-2165021></rcm></info>
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ence-cache-config.xml"	
queue: 'weblogic.kernel.Default (self-tuning)', member=n/a): Created cache factory com.tangosol.net.Extensibl	r .eC
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4-3. Verifying the Installed Products and Product Versions. Check the products and product version numbers by running the **opatch Isinventory -detail** command from the **ORACLE_HOME/OPatch** directory.

oracle@hpgen9-01:/home/oracle/Oracle/Middleware/Oracle_Home/OPatch> ./opatch lsinventory -details Oracle Interim Patch Installer version 13.3.0.0.0 Copyright (c) 2016, Oracle Corporation. All rights reserved. : /home/oracle/Oracle/Middleware/Oracle Home Oracle Home Central Inventory : /home/oracle/app/oralnventory : /home/oracle/Oracle/Middleware/Oracle Home/oraInst.loc from OPatch version : 13.3.0.0.0 OUI version : 13.3.0.0.0 Log file location : /home/oracle/Oracle/Middleware/Oracle Home/cfgtoollogs/opatch/opatch2016-07-13 17-22-13PM 1.log OPatch detects the Middleware Home as "/home/oracle/Oracle/Middleware/Oracle Home" Lsinventory Output file location : /home/oracle/Oracle/Middleware/Oracle Home/cfgtoollogs/opatch/lsinv/lsinventory2016-07-13 17-22-13PM.txt Local Machine Information:: Hostname: hpgen9-01 ARU platform id: 226 ARU platform description:: Linux x86-64 Interim patches (6) : Patch 19795066 : applied on Wed Jul 13 16:12:30 GMT+08:00 2016 Unique Patch ID: 19149348 Patch description: "One-off" Created on 16 Jul 2015, 15:51:43 hrs UTC Bugs fixed: 19795066 Files Touched: /oracle/jdbc/driver/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6.jar /oracle/jdbc/driver/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/idbc/driver/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/jdbc/driver/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7.jar /oracle/jdbc/driver/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/jdbc/driver/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7dms.jar Patch Location in Inventory: /home/oracle/Oracle/Middleware/Oracle Home/inventory/oneoffs/19795066 Patch Location in Storage area: /home/oracle/Oracle/Middleware/Oracle Home/.patch storage/19795066 Jul 16 2015 15 51 43

Patch 19632480 : applied on Wed Jul 13 16:12:13 GMT+08:00 2016 Unique Patch ID: 19278519 Patch description: "One-off" Created on 25 Aug 2015, 07:19:43 hrs UTC Bugs fixed: 19632480 Files Touched: /oracle/jdbc/OracleDatabaseMetaData.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc6.jar /oracle/jdbc/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/jdbc/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/jdbc/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc7.jar /oracle/jdbc/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/jdbc/OracleDatabaseMetaData.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7dms.jar Patch Location in Inventory: /home/oracle/Oracle/Middleware/Oracle Home/inventory/oneoffs/19632480 Patch Location in Storage area: /home/oracle/Oracle/Middleware/Oracle_Home/.patch_storage/19632480_Aug_25_2015_07_19_43 : applied on Wed Jul 13 16:11:56 GMT+08:00 2016 Patch 19154304 Unique Patch ID: 19278518 Patch description: "One-off" Created on 25 Aug 2015, 07:10:13 hrs UTC Bugs fixed: 19154304 Files Touched: /oracle/net/ns/NSProtocolNIO.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc6.jar /oracle/net/ns/NSProtocolStream.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6.jar /oracle/net/nt/ConnStrategy.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc6.jar /oracle/net/resolver/AddrResolution.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6.jar /oracle/net/ns/NSProtocolNIO.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/net/ns/NSProtocolStream.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/net/nt/ConnStrategy.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/net/resolver/AddrResolution.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/net/ns/NSProtocolNIO.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/net/ns/NSProtocolStream.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/net/nt/ConnStrategy.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc6dms.iar /oracle/net/resolver/AddrResolution.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar

/oracle/net/ns/NSProtocolNIO.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7.jar /oracle/net/ns/NSProtocolStream.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc7.jar /oracle/net/nt/ConnStrategy.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc7.jar /oracle/net/resolver/AddrResolution.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc7.jar /oracle/net/ns/NSProtocolNIO.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/net/ns/NSProtocolStream.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/net/nt/ConnStrategy.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/net/resolver/AddrResolution.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/net/ns/NSProtocolNIO.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7dms.jar /oracle/net/ns/NSProtocolStream.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7dms.jar /oracle/net/nt/ConnStrategy.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7dms.jar /oracle/net/resolver/AddrResolution.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc7dms.iar Patch Location in Inventory: /home/oracle/Oracle/Middleware/Oracle Home/inventory/oneoffs/19154304 Patch Location in Storage area: /home/oracle/Oracle/Middleware/Oracle Home/.patch storage/19154304 Aug 25 2015 07 10 13 : applied on Wed Jul 13 16:11:39 GMT+08:00 2016 Patch 19030178 Unique Patch ID: 19234068 Patch description: "One-off" Created on 4 Aug 2015, 05:40:22 hrs UTC Buas fixed: 19030178 Files Touched: /oracle/net/nt/TcpsConfigure.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6.jar /oracle/net/nt/TcpsConfigure.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/net/nt/TcpsConfigure.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/net/nt/TcpsConfigure.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7.jar /oracle/net/nt/TcpsConfigure.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/net/nt/TcpsConfigure.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7dms.jar Patch Location in Inventory: /home/oracle/Oracle/Middleware/Oracle Home/inventory/oneoffs/19030178 Patch Location in Storage area: /home/oracle/Oracle/Middleware/Oracle Home/.patch storage/19030178 Aug 4 2015 05 40 22 : applied on Wed Jul 13 16:11:22 GMT+08:00 2016 Patch 19002423

Unique Patch ID: 18804275

Patch description: "One-off" Created on 9 Apr 2015, 23:09:16 hrs UTC Bugs fixed: 19002423 Files Touched: /oracle/jdbc/driver/OraclePreparedStatement\$1.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6.jar /oracle/idbc/driver/OraclePreparedStatement\$2.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc6.jar /oracle/jdbc/driver/OraclePreparedStatement\$BatchFIFONode.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6.jar /oracle/jdbc/driver/OraclePreparedStatement\$Pair.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6.jar /oracle/jdbc/driver/OraclePreparedStatement.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc6.jar /oracle/jdbc/driver/OraclePreparedStatement\$1.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/jdbc/driver/OraclePreparedStatement\$2.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/jdbc/driver/OraclePreparedStatement\$BatchFIFONode.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/jdbc/driver/OraclePreparedStatement\$Pair.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc6_g.jar /oracle/idbc/driver/OraclePreparedStatement.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6 g.jar /oracle/jdbc/driver/OraclePreparedStatement\$1.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/jdbc/driver/OraclePreparedStatement\$2.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/jdbc/driver/OraclePreparedStatement\$BatchFIFONode.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/jdbc/driver/OraclePreparedStatement\$Pair.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/idbc/driver/OraclePreparedStatement.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc6dms.jar /oracle/jdbc/driver/OraclePreparedStatement\$1.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7.jar /oracle/jdbc/driver/OraclePreparedStatement\$2.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc7.jar /oracle/jdbc/driver/OraclePreparedStatement\$BatchFIFONode.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7.jar /oracle/jdbc/driver/OraclePreparedStatement\$Pair.class --> ORACLE HOME/oracle common/modules/oracle.idbc/oidbc7.jar /oracle/idbc/driver/OraclePreparedStatement.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7.jar /oracle/jdbc/driver/OraclePreparedStatement\$1.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/jdbc/driver/OraclePreparedStatement\$2.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/jdbc/driver/OraclePreparedStatement\$BatchFIFONode.class --> ORACLE_HOME/oracle_common/modules/oracle.jdbc/ojdbc7_g.jar /oracle/idbc/driver/OraclePreparedStatement\$Pair.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar /oracle/jdbc/driver/OraclePreparedStatement.class --> ORACLE HOME/oracle common/modules/oracle.jdbc/ojdbc7 g.jar

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4-4. Checking Oracle Forms and Reports Product URLs.

1). Access to Enterprise Manager Console.

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Starting WLS_FORMS - Click Start Up.



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Confirmation.



Oracle Fusion Middleware 12c on SLES 12

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WLS_REPORTS is up.

Home page - All three servers are up and running.

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2). Access to Administration Server Console

Login Page as shown below:						
Oracle WebLogic Server Administration	Console – Mozilla Firefox					×
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View changes and restarts	Home					
Click the Lock & Edit button to modify, add or	Home Page					
Lock & Edt Release Configuration Domain Structure base_domain P-Domain Partitions P-EnvironmentDeploymentsSecurity Realms	Helpful Tools Configure applications Configure GridLink for FAC Data Source Configure a Dynamic Cluster Recent Task Status Set your console preferences Oracle Enterprise Manager Description Configure Task	General Information Common Administration Task Descriptions Read the documentation Ask a question on My Oracle Support				
Interoperability	- Domain configurations					
E - Diagnostics	Domain	Resource Group Templates Besource Group Templates	• WTC Servers			
	Domain Partitions	Resource Groups	Jolt Connection Pools			
	Domain Partitions	Resource Groups	Diagnostics			
How do I	Partition Work Managers	Deployed Resources	Log Files Diagnostic Modules			
 Search the configuration 	Environment	Deployments Built-in Diagnostic Modules				
Use the Change Center Record WLST Scripts	Servers Clusters	Services	Diagnostic Images Request Performance			
Change Console preferences Manage Console extensions Monitor servers	Server Templates Migratable Targets	Messaging JMS Servers	Archives Context SNMP			
0	Coherence Clusters Machines	 Store-and-Forward Agents JMS Modules 	Interceptors			

Viewing the summary of servers:

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lick the Lock & Edit button to modify, add or	Summary of Servers							
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omain Structure	This page summarizes each server	that has been config	ured in the current WebL	ogic Server domain.				
ise_domain								
- Domain Partitions	¢5							
Deployments	Customize this table							
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Create Managed Servers	WLS_REPORTS	Configured	cluster_reports	AdminServerMachine	RUNNING	🛩 ок	9002	
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Delete the Administration Server								
View objects in the JNDI tree								
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3). Access to Oracle Forms.

URL: http://host:port/forms/frmservlet



Click Exit to close the test window.

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4). Access to Oracle Reports.

URL: http://host:port/reports/rwservlet

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Oracle Reports Services - Servlet Command Help	- 1
URL for invoking rwservlet command request : http://yourwebserver/yourservletpath/rwservlet[/command]?[args] Where args are arguments for constructing a Reports Server run request, and optional command is a keyword, modifying request in some way (see list below)	
For more information about how to setup and use Reports Servlet rwservlet, refer to the product documentation.	- 1
Valid Reports Servlet Commands In following commands, the name of the Reports Server (server=name) can be omitted rwservlet will try to use the default Reports Server specified in the servlet configuration file.	
 help showenv showjobs showmap showmyjobs showjobid kilijobid parsequery showauth delauth getjobid getserverinfo kiliengine 	

Additional Comments

This document shows how to install and configure a standard topology for Oracle Forms and Reports. You can extend this topology to make it highly available and secure so it is suitable for a production system.

> *Thank you ! SUSE ISV Engineering Team July 22nd, 2016*

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