Oracle Fusion Middleware 11gR1 on SuSE Linux Enterprise Server 11 SP3 (Installation guide)

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Introduction

Novell has partnered with Oracle to develop this document which describes the process by which an administrator may install Oracle FMW 11gR1 components on SLES 11 SP3.

Enterprise Linux Server solutions from Novell deliver the benefits of proprietary operating systems with greater freedom and lower costs. Novell offers the most interoperable Linux server solutions on the market, powered by SUSE Linux Enterprise and backed by our unparalleled expertise and support.

Oracle Fusion Middleware 11*g* is an application infrastructure foundation. It enables enterprises to create and run agile and intelligent business applications and maximize IT efficiency by exploiting modern hardware and software architectures. Oracle Fusion Middleware includes WebLogic, WebCenter, SOA Suite, Oracle Identity Management among many other tools.

Oracle Identity Management enables customers to meet compliance efficiently, secure their critical applications and sensitive data, and lower operational costs. IdM solutions can manage the end-to-end lifecycle of user identities across all enterprise resources both within and beyond the firewall.

Oracle WebCenter Services 11*g* provides a comprehensive set of standards-based components that enrich existing portals and Web sites with the industry's most complete and open set of Enterprise 2.0 capabilities. These Enterprise 2.0 services include social computing services, personal productivity services, online awareness and communications, content integration, and Web analytics. Oracle WebCenter Services 11*g* works with all Oracle portal offerings and enables organizations to enrich their current portals and Web sites to empower their end users with Enterprise 2.0 services that work with their existing information systems.

Oracle Portal 11*g* offers a complete portal framework for building, deploying, and managing portals that are tightly integrated with Oracle WebLogic Server. Oracle Portal 11*g* provides a rich, declarative environment for creating a portal Web interface and accessing dynamic data with an extensible framework for J2EE-based enterprise application access.

This document is not a replacement of official Oracle Installation manual but provided to help you to get Oracle FWM 11gR1 components on SuSE Linux Enterprise Server 11 SP3 with minimal efforts. If you encounter any problem or have general question, please post your query to <u>suse-oracle@listx.novell.com</u>. The installation process is divided into the following sections:

Prerequisites

Hardware

The system must meet the following minimum hardware requirements:

Requirement	Minimum
RAM	1024 MB
Swap space	Approx. twice the size of RAM
Disk space in /tmp	1024 MB
Disk space for software files	4 GB
Disk space for database files	1.7 GB

Software

Novell

• SUSE Linux Enterprise Server 11 Service Pack 3 (https://www.suse.com/products/server/)

Oracle

Oracle Database 11g Release 2 (11.2.0.1) Enterprise Edition
 (http://www.oracle.com/technology/software/products/database/index.html)

Oracle Java

(http://www.oracle.com/technetwork/java/javase/downloads/index.html)

SUSE Linux Enterprise Server 11 SP3 Installation

SUSE Linux Enterprise Server 11 SP3 Install, please refer to: (<u>https://www.suse.com/documentation/sles11/</u>).

Oracle Database 11gR2 Installation

Oracle Database 11gR2 Install, please refer to: (http://ftp.novell.com/partners/oracle/docs/11gR2_sles11_sp1_install.pdf)

Java Installation

1. Login to a SLES 11 64-bit OS as a **non-admin user**. Download the latest Oracle Java from the URL <u>http://www.oracle.com/technetwork/java/javase/downloads/index.html</u>

2. On the 64-bit SLES 11 SP3 OS run the .bin file for JDK installation.

3. Once the installation is done, set the java Home and Path variables using the command as shown below, confirm the version number, and the location where the java is installed.



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RCU (Repository Creation Utility) Creation

1. After the successful installation of Oracle 11gR2 separately on a 64-bit OS, download the latest RCU for 32-bit OS on a 32-bit SLES 11 server.

2. Oracle Repository Creation Utility(RCU) can be downloaded from the URL: (<u>http://www.oracle.com/technetwork/middleware/downloads/fusion-downloads-1714164.html</u>)

3. Extract the downloaded RCU installer and go to the bin folder and run the rcu file as ./rcu

Install Flow:





3) Database Connection Details and Prerequisite Check – Type the database connection details, click Next. Checking Prerequisites window will be displayed, once everything is success click OK. oracle@SLES11SP3-32-RCU:....1.7.0/rd I File Edit View Terminal Tabs Help

oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SLES11SP3:~/Oracle	_SW	oracle@V1720-SLES11SP3:Oracle_SW/V	VebLogic 💥 oracle@SLES1	1 SP3-32-RCU:1.7.0/rcuHome/bin
oracle@SLES11SP3-32-RCU:-/E5400_oracle_SM/R Failed to initialize logger with location :, Initializing logger using the following loca	epository_Creation_Utility/rc /opt/oracle/E5400_Oracle_SW/P ation :/tmp/logdir.2013-08-28	u_11.1.1.7.0/rd Repository_Creat _16-33/rcu.log	cuHome/bin> ./rcu tion_Utility/rcu_11.1.1.7.0/rcuHome/	rcu/log/logdir.2013-08-20	8_16-33/rcu.log
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	Map Tablespaces Summary Completion Summary	P <u>o</u> rt: <u>S</u> ervice Name:	1521 orci		
Repository Creation Utility - Chec	king Prerequisites ×	<u>U</u> sername:	sys User with DBA or SYSDBA privileges, Example:sys		
Checking Global Prerequisites	Anig Prerequisites X	Password:	•••••		
 Initializing repository configuration metadata Obtain properties of the specified database Check requirement for specified database Execute pre create operations 	00:05.188(sec) 00:00.214(ms) 00:00.403(ms) 00:00.115(ms)	<u>R</u> ole:	SYSDBA One or more components may require SYSDBA role	for the operation to succeed.	
Operation completed. Click OK to continue to next page.	Ōĸ	Messages:			
	Help		< <u>Back</u>	Next > Einish Cancel	<i>k</i>
			ĸ		
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4) Select Components -- Create a **new Prefix** and select the required components like **Identity Management** (Oracle Internet Directory and Oracle Identity Federation), WebCenter Suite, etc.

contributions of the second seco	:/opt/oracle/E5400_Oracle_SW/Reposi cation :/tmp/loadir 2012_08_28_16_2	Cry_Creation_Utility/rcu_11.1.1.7.0/rcuHome/rcu/log.	/logdir.2013-08-28_16-33/rcu.lo	g
	1 1 1	Repository Creation Utility - Step 3 of 7 : Select Compone	ints	×
	Select Components			11 ^{<i>g</i>}
	O Welcome	A Prefix groups the components associated with one deployment.		
	Y welcome	Select an existing Prefix		-
	Create Repository			
	Database Connection Details			
	Select Components	Prefix can contain only alpha-numeric	characters. Prefix should not	
	Schema Passwords	start with a number and should not co	ntain any special characters.	
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	Y map rabiespaces	BIR AS Common Schemas	Schema Owner	
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	Completion Summary	Audit Services	DEV_IAU	
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Benerikan Cartin Ukilika	Charling Devery subsition	🖃 🗹 Identity Management		
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✓ Oracle Adaptive Access Manager	00:00.102(ms)	WebCenter Content		
Oracle Adaptive Access Manager(Partitio	in Support) 00:00.105(ms)	B Oracle Data Integrator		
 Oracle Entitlements Server 	00:00.100(ms)	Webl onic Communication Services		
SOA Infrastructure	00:00.114(ms)	SOA and BPM Infrastructure		
✓ User Messaging Service	00:00.103(ms)	SOA Infrastructure	DEV SOAINFRA	
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		El lloor Maccaging Convica	DD/ OBASDBM	_
Operation completed, Click OK to continue to pe	vt nage			
operation completear energy of the contractorie	, page.	Messages:		
	QK			

Click **Next**, if an error message will be displayed as shown below:



Open a separate terminal session, login to DB server as **root user** and execute the SQL command: "alter system set processes=500 scope=spfile;" and "alter system set open_cursors=500 scope=spfile;" bounce the Database, and click Ignore. For example:

Altering the system processess:



The database can be bounced as shown below:

```
SQL> shutdown immediate
Database closed.
Database dismounted.
ORACLE instance shut down.
SQL> starup
SP2-0042: unknown command "starup" - rest of line ignored.
SQL> startup
ORACLE instance started.
Total System Global Area 1202556928 bytes
Fixed Size 2212816 bytes
Variable Size 402656304 bytes
Database Buffers 788529152 bytes
Redo Buffers 9158656 bytes
Database mounted.
Database opened.
```

The prerequisites will be verified again. Click Ok.

			oracle@SL	ES11SP3-32-RCU:1	.7.0/rcuHome/bin				_ • ×
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oracle@SLES11 Failed to ini Initializing]	SP3-32-RCU:~/E5400_Or. tialize logger with l logger using the foll	acle_SW/Repository_Creatio ocation :/opt/oracle/E540C owing location :/tmp/logdi	n_Utility/rcu_11.)_Oracle_SW/Reposi r.2013-08-28_16-3	1.1.7.0/rcuHome/ tory_Creation_Ut 33/rcu.log	bin> ./rcu iility/rcu_11.1.1.7.0/rd	cuHome/rcu/log/l	ogdir.2013-08-28_1	16-33/rcu.log	
		<u>ه</u>	Repository Ci		l of 7 : Schema Passwords			<	
		Schema Passwords							
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6) Map Tablespaces -- An alert message will be displayed as "Any Tablespaces that do not already exist in the selected schemas will be created." Click **Ok**.

				oracle@SLES11SP3-32-RCU	1.7.0/rcuHome/bin				_ • ×
File Edit View Termin	al Tabs Help								
oracle@V1720-SLES11SF	3:~/Desktop	× or	racle@V1720-SLES1	1SP3:~/Oracle_SW 🛛 🗶	oracle@V1720-SLES11SP:	3:Oracle_SW/WebLogic	oracle@SLES11SI	P3-32-RCU:1.7.0/rcuHome	/bin 💥
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	Map	p Tablesj	paces		يعبر	FU		_	
	Ŷ	Welcome		Choose tablespaces for the selected comp To create new tablespaces or modify existi	nents. The default and tempo ng tablespaces click the 'Mana	orary tablespaces are specifi age Tablespaces' button.	ed in the table below.		
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		Salact Com	mononto	Audit Services	DEV JAU	*DEV JAS JALI	DEV JAS TEMP		
	Ĭ		rponents	Oracle Identity Federation	DEV_OIF	*DEV_IAS_OIF	DEV_IAS_TEMP		
	Ψ	Schema Pas	sswords	Oracle Identity Manager	DEV_OIM	*DEV_OIM	*DEV_OIM_TEMP		
		Map Table	spaces	Oracle Access Manager	DEV_OAM	*DEV_OAM	*DEV_OAM_TEMP		
	- I	C		Oracle Adaptive Access Manager	DEV_OAAM	*DEV_BRSADATA	*DEV_BRSATEMP		
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				SOA Infrastructure	DEV_SOAINFRA	*DEV_SOAINFRA	DEV_IAS_TEMP		
				User Messaging Service	DEV_ORASDPM	*DEV_IAS_ORASDPM	DEV_IAS_TEMP		
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5) Schema Passwords -- Give the Password and click Next button.

Validating and Creating Tablespaces will auto run. After operation completed, click **OK** to continue to next page.

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File Edit View Terminal Tabs Help							
oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SLES	11SP3:~/Oracle_SW 🛛 💥	oracle@V1720-SLES11SP	3:Oracle_SW/WebLogic	oracle@SLES11SP	3-32-RCU:1.7.0/rcuHome	/bin 🗙
oracle@SLES11SP3-32-RCU:~/E5400_Oracle Failed to initialize logger with locat Initializing logger using the followir	SW/Repository_Creation ion :/opt/oracle/E5400 ng location :/tmp/logdin	n_Utility/rcu_11.1.1.7.0/rcuHo Oracle_SW/Repository_Creation .2013-08-28_16-33/rcu.log	me/bin> ./rcu _Utility/rcu_11.1.1	.7.0/rcuHome/rcu/log	g/logdir.2013-08-28_1	6-33/rcu.log	
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ч Ч	Welcome	Choose tablespaces for the selected comp To create new tablespaces or modify existi	onents. The default and temp ng tablespaces click the 'Man	orary tablespaces are specifi age Tablespaces' button.	ed in the table below.		
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Computer SLES11SP3-32-RCU	[2_Prerequisites_pic	Repository Creation U			i d) 🚬 i 🗐	Wed Aug 28,	4:44 PM 🗮

7) Summary -- A summary will be displayed with respective Host Name, Port no., Service Name, Connected As, and Operation. Review the summary details and click **Create**.

File	Edit	View Te	erminal Ta	abs Help								
orac	le@∨17:	20-SLES	11 SP3: ~/D	esktop	oracle@V1720-SLES	oracle@	Ø√1720-SLES11SP3:	Oracle_SW/W	ebLogic 💥 oracle@	SLES11SP3-32	-RCU:1.7.0/rcuHome/	bin 🗙
orac Fail Init	le@SLI .ed to :ializ:	ES11SP3 initia ing log	3-32-RCU: alize log gger usir	:~/E5400_Or gger with l ng the foll	acle_SW/Repository_Creatio ocation :/opt/oracle/E5400 owing location :/tmp/logdi	n_Utility/rcu_11.1.1.7.0/rcuHome/bi _Oracle_SW/Repository_Creation_Util: r.2013-08-28_16-33/rcu.log	n> ./rcu ity/rcu_11.1.1.7	7.0/rcuHome/r	cu/log/logdir.201	3-08-28_16-3	3/rcu.log	
					<u>\$</u>	Repository Creation Utility - Step	6 of 7 : Summary			_ = ×		
					Summary					11 ^g		
					Welcome Greate Repository Database Connection Details Select Components Schema Passwords Map Tablespaces	Database details: Host Name: D8-JSV3.site Port: 1521 Service Name ORCL Connected As: sys Operation: Create Prefix for (prefixable) Schema Owners:DEV						
					🧅 Summary	Component	Schema Owner	Tablespace Typ	e Tablespace Nam	e		
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						Oracle Identity Federation	DEV_OIF	Additional Default Temp Additional	None DEV_IAS_OIF DEV_IAS_TEMP None			
						Oracle Identity Manager	DEV_OIM	Default Temp Additional	DEV_OIM DEV_OIM_TEMP DEV_OIM_LOB			k
						Oracle Access Manager	DEV_OAM	Default Temp Additional	DEV_OAM DEV_OAM_TEMP None			
						Oracle Adaptive Access Manager	DEV_OAAM	Default Temp Additional	DEV_BRSADATA DEV_BRSATEMP DEV_BRSAINDX			
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Monitor the progress of RCU creation.

I File Edit View Terminal Tabs Help	ora	acle@SLES11SP3-32	2-RCU:1.7.0/rcuHome/bin				_ • ×
oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SLES11SP3:~/Ora	cle_SW	oracle@V1720-SLES11SP3:Oracle	SW/WebLogic	🗙 oracle@SLES	S11 SP3-32-RCU:1.7.0	/rcuHome/bin 🛛 💥
oracle@SLES11SP3-32-RCU:-/E5400_Oracle_SW/ Failed to initialize logger with location Initializing logger using the following lo Aug 28, 2013 4:56:37 PM org.quartz.core.QU INFO: Quartz Scheduler v.1.6.0 created. Aug 28, 2013 4:56:37 PM org.quartz.impl.jd INFO: Using thread monitor-based data acce	Repository_Creation_Utility/ //opt/oracle/E5400_Oracle_Sw cation :/tmp/logdir.2013-08- artzScheduler :init3- ocjobstore.Jot so locking (sy Summary	rcu_11.1.1.7.0/1 /Repository_Crea 28_16-33/rcu.log	rcuHome/bin> ./rcu ation_Utility/rcu_11.1.1.7.0/rcu g Repository Creation Utility - Step	Home/rcu/log/lo 6 of 7 : Summary	gdir.2013-08-	ORACLE	- • ×
Aug 28, 2013 4:56:48 FM org.quartz.impl.jd INFO: Removed O Volatile Trigger(s). Aug 28, 2013 4:56:48 FM org.quartz.impl.jd INFO: Removed O Volatile Job(s). Aug 28, 2013 4:56:48 FM org.quartz.impl.jd INFO: JobStoreTX initialized. Aug 28, 2013 4:56:48 FM org.quartz.impl.st INFO: Quartz scheduler 'OIMQuartzScheduler Aug 28, 2013 4:56:48 M org.quartz.impl.st INFO: Quartz scheduler version: 1.6.0	cjobstore.Jot cjobstore.Jot dSchedulerFact initialized y Map Tablespac	tory Host hection Details Con- ords Perfi- tes	base details: Name: D8-ISV3.site : 1521 Lice Name: ORCL nected As: sys ration: Create x for (prefixable) Schema Owners:DEV			FUSION MIDDLEWARE	
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Repository Repository Create in progress. Metadata Services Audi Services Oracle identity Federation Oracle Actess Manager Oracle Adaptive Access Manager Oracle Identity Manager SoA Infrastructure Oracle Identity Manager Execute post create operations	Completion Su Creation Utility - Create 00:18.2 00:50.2 00:15.1 00:19.9 r(Partition Support) 01:03.9 00:20.2 01:12.6 02:33.5 0	mm ay Meta X Aud 13 (sec) Orau 80 (sec) Orau 23 (sec) Orau 20 (sec) Orau 12 (min) Orau 13 (sec) Orau 36 (min) Orau 36 (min) Orau 5 (op) Orau 5 (op) Orau	idata Services it Services cle Identity Federation cle Identity Manager cle Access Manager cle Adaptive Access Manager(Partition Support)	DEV_IAU DEV_OIF DEV_OIM DEV_OAM DEV_OAAM DEV_OAAM	Default Temp Additional Default Temp Additional Default Temp Additional Default Temp Additional Default Temp Additional Default Temp Additional Default Temp Additional Default	DEV_MOS DEV_MOS DEV_IAS_TEMP None DEV_IAS_TEMP DEV_IAS_TEMP DEV_IAS_TEMP DEV_IAS_TEMP None DEV_ONM DEV_ONM_TEMP DEV_ONM_TEMP DEV_ONM_TEMP DEV_ONM_TEMP DEV_ONM_TEMP DEV_ONM_TEMP DEV_BESATEMP DEV_BESATEMP DEV_BESATEMP DEV_BESATEM DEV_SOAAM_TEMP DEV_SOAAM_TEMP	
Computer	 [2_Prerequisites_pic]	itory Creation U			< <u>B</u> ack	<u>Next</u> > <u>Create</u>	Cancel ,

8) Completion Summary -- A "Completion Summary" will be displayed of the RCU. Click **Close**.

	oracle@SLES115	SP3-32-RCU:1.7.0/rcuHome/bin	of the re-	50. Olic		- • ×
File Edit View Terminal Tabs Help oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SLES11SP3:~/Oracle_SW	oracle@V1720-SLES11SP3:Oracle_SW	//WebLogic 🛛 💥	oracle@SLES11SF	P3-32-RCU:1.7.0/rcuHome/b	in 🗙
oraclegSLE5115P3-32.RCU:-/E5400_Oracle_SW/RW Failed to initialize logger with location :, Initializing logger using the following loc: Aug 28, 2013 4:56:37 PM org.quartz.core.Quar INFO: Quartz Scheduler v.1.6.0 created. Aug 28, 2013 4:56:37 PM org.quartz.impl.jdb INFO: Using thread monitor-based data access Aug 28, 2013 4:56:48 PM org.quartz.impl.jdb INFO: Bended Volatile Triager(s).	pository_Creation_Utility/rcu_ll.il. /opt/oracle/E5400_Oracle_SW/Repository stion :/tmp/logdir.2013-08-28_16-33/rc ttScheduler :inita ejobstore.Jot = Jocking (sp ; Jobstore.Jot	7.0/rcuHome/bin> ./rcu Greation_Utility/rcu_11.1.1.7.0/rcuHom Llog Repository Creation Utility-Step 7 of7 %Cc	e/rcu/log/logdi	r.2013-08-28_1	(6-33/rcu.log - • × ORACLE: USION MIDDLEWARE 118	
Aug 28, 2013 4:56:48 PM org.quartz.impl.jdbo INFO: Pemoved O Volatile Job(s). Aug 28, 2013 4:56:48 PM org.quartz.impl.jdb INFO: JobStoreTK initialized. Aug 28, 2013 4:56:48 PM org.quartz.impl.Std INFO: Quartz scheduler 'OIMQuartzScheduler' Aug 28, 2013 4:56:48 PM org.quartz.impl.Std INFO: Quartz scheduler version: 1.6.0 Aug 28, 2013 5:00:16 PM org.quartz.core.Quar INFO: Scheduler OIMQuartzScheduler_\$_NON_CL Aug 28, 2013 5:00:16 PM org.quartz.core.Quar	:jobstore.Job sjobstore.Job SchedulerFact initialized SchedulerFact SchedulerFact SchedulerFact SchedulerFact SchedulerFact Schema Passwords Map Tablespaces StrESC shutt Schema Passwords Map Tablespaces StrESC shutt Schema Passwords Schema Password	Database details: Host Name: DB-ISV3,site Port: 1521 Service Name: ORCL Connected As: 5y5 Operation: Create RCU LogDite: //mp/logdir.2013-08-20,1 Execution Time: 23 minutes 29 seconds Prefix for (prefixable) Schema Owners:DEV	.6-33/rcu.log 6-33			
INFO: Scheduler OTMQuartzScheduler_t_NON_CLL Aug 28, 2013 S:00:16 Morg.quartzScheduler_t_NON_CLL INFO: Scheduler OTMQuartzScheduler_t_NON_CLL [EL_Info]: 2013-08-28 17:00:45.214ServerSt [EL_Info]: 2013-08-28 17:00:45.207ServerSt /ext/jps-internal.jar-JpsDEDataManager logir	USTERED pause TESChalue USTERED shutc ission(315075 ission(315075 isuccessful	Component Metadara Services Audit Services Oracle Identity Federation Oracle Identity Manager Oracle Access Manager Oracle Adaptive Access Manager(Partition Support) Oracle Adaptive Access Manager(Partition Support) Oracle Entitment Server SOA Infrastructure User Messaging Service	Status Success Success Success Success Success Success Success Success	Logfile mds.log oifi.log oifi.log oam.log oaam.log oaam.partn.log apm.log orasdpm.log orasdpm.log	Time 01:51.124(sec) 00:51.184(sec) 00:51.084(sec) 00:15.061(sec) 00:19.902(sec) 01:03.879(min) 00:38.792(sec) 01:12.517(min) 00:20.155(sec)	J_Comp
	Help			Sack Next	> <u>C</u> reate <u>Close</u>	# =
Computer	2_Prerequisites_pic 🥵 Repository Creation U		i 🗐 🗐	» 🔽 🛋 🔲	Wed Aug 28, 5	5:01 PM 🖾

WebLogic Installation

1. Login as the non-admin user and downlaod Oracle WebLogic 12.1.2.0.0 generic installer from: (<u>http://www.oracle.com/technetwork/middleware/downloads/fusion-downloads-1714164.html</u>)

2. Execute the WebLogic generic installer using the command java -jar <WebLogic jar installer>.

Install Flow:

1). Oracle Fusion Middleware 12c Installation Inventory Setup. Click **Ok** to continue.

File Edit View Terminal Tabs Help	oracie	gvi/z0-3L25113F5Ofacle_SW/WebLogh			
oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SI	.ES11SP3:Oracle_SW/WebLogic	oracle@V1720-SLES	11SP3:~	×
oracle@V1720-SLES11SP3:~/Oracle_SW/Web Extracting files Starting Oracle Universal Installer	oLogic>_java -jar wls_121200.jar				^
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Preparing to launch the Oracle Univers	sal Installer from /tmp/OraInstall20	13-09-27_07-43-43PM	v Sotun		
	Installation Inve	entory Setup			
	Central Inventory Director Enter the Central inventory central inventory directory	y directory for all your oracle installations.The instal if it does not exist.	ller will create a new		
	Inventory <u>D</u> irectory:	/opt/oracle/orainventory Enter the full path for the directory.	Browse		
	Operating <u>S</u> ystem Group :	oinstall Specify a group with write permission to the inven	itory	*	
	Central Inventory Pointer	File			
	Click OK to create a script create a pointer file, which installations and administr	(createCentralInventory.sh) in the inventory director is used to identity the location of the central invent ative operations, such as patching and upgrade.	ory. Run this script to tory for future		
	Help		QK Cancel		
Computer V1720-SLES11SP3	🕘 [Install and Patch: Ins		١	d) 🗖 🖆 📄 👘	📕 Fri Sep 27, 7:46 PM 📓

- X



3). Installation Lacation Screen will be displayed. Give the path of the Middleware Home Directory (path will be displayed by default) as shown below. Click **Next** to continue.





5). Prerequisite Checks Screen will be displayed. Checking all the requirements are passed. Click **Next** to continue.

File Edit View Terminal Tabs Help		-@		
oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-	SLES11SP3:Oracle_SW/WebLogic	oracle@V1720-SLES11	ISP3:~ 💥
oracle@V1720-SLES11SP3:~/Oracle_SW/WebLogic> Extracting files Starting Oracle Universal Installer	java -jar wls_121200.jar			<u>^</u>
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Checking temp space: must be greater than 30	rrerequisite checks		FUSION MIDDLEWARE	
	Welcome .		AAN	
Preparing to launch the Oracle Universal Inst Log: /opt/oracle/oraInventory/logs/install201	Installation Location		505a	
	Installation Type Breenwisite Cheele	 Checking operating system certification 		
	Security Undates	Checking Java version used to launch the in:	staller.	
	Installation Summary			
	Installation Progress			
	O Installation Complete			
		<u>Stop</u> <u>Rerun</u> Skip View Successful Ta	sks	ViewLog
	*	-		
		Checking operating system certification Checking lava version used to launch the installe	r,	
	Help		<back next=""> Einish</back>	Cancel
Computer	nstall and Patch: Ins	Fusion Middle	i 🗊 🖉) 🔽 🚔 🧻 🔚 Fri Sep 27. 7:47 PM 🖾

(Note:Oracle Fusion Middleware WebLogic 12c(12.1.2.0.0) requires Java SE 7.)

6). Specify Security Updates. Register your email ID for security updates (optional). Click **Next** to continue.



7). Installation summary will be listed as shown below, click **Install** to accept the displayed options and start the installation.



8). Installation Progress will be displayed as shown below. All of the tasks will be successful completed. Click **Next** to continue.

	oracle@	V1720-SLES11SP3:Oracle_SW/WebLogi	c	_ = ×
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oracle@V1/20-SLES1ISP3:~/Oracle_SW/WebLogic> Extracting files Starting Oracle Universal Installer	∙ java -jar wls_121200.jar	STISISOracle_SvvvvebLugic	oracle@VI/20-SLESTISP3.∼	
Checking if CPU speed is above 300 MHz. Ac Checking monitor: must be configured to disp Checking swap space: must be greater than 51 Checking if this platform requires a 64-bit Checking temp space: must be greater than 30	tual 2001.000 MHz Passed Oracle Fusion Mide Installation Progress	lleware 12c WebLogic Server and Coher	ence Installation - Step 7 of 8 X ORACLE FUSION MIDDLEWARE	
	Y Welcome			
Preparing to launch the Oracle Universal Ins	Installation Location	1	00%	
Log: /opt/oracle/oraInventory/logs/install20	Installation Type Prerequisite Checks	Prepare		
	Security Updates	Copy		
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	•	Post install scripts		
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		/iew <u>H</u> essages ♥ Vie	w Successful <u>T</u> asks View <u>Log</u>	
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9). The **"Installation Complete"** message will be displayed. Click **Done** and close the installation. (Enabling "Automatically Launch the Quickstart Configuration Wizard" is optional).



Identity Management(IDM) Installation

1. Prerequisites

Installation of IDM requires:

- 1). Oracle Database 11gR2 installed on a SLES 11 SP3 64-bit OS
- 2). RCU (with IDM schema) created from a SLES 11 SP3 32-bit OS

Screenshot: RCU with IDM schema

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SI ES11SB3.32.BCU:x/E5400_0racle_	SW/Sepository Creation Utility/rcu 11	1 1 7 0/rcuHome/bips /r		6	
to initialize logger with locatio	on :/opt/oracle/E5400_Oracle_SW/Repos:	itory_Creation_Utility/rc	u_11.1.1.7.0/rcuHome/rcu/log/logo	ir.2013-08-28_16-33/rcu.	log
zing logger using the following	location :/tro/locdic 2012 09 28 16 1	Repository Creation L	Hility - Stan 3 of 7 · Select Components		
	Select Components				11 8
		A Prefix groups the components	associated with one deployment.		
	V welcome	Calert an existing Prefix			
	Create Repository	O getter an existing rienx			
	Database Connection Details	Oreate a new Prefix	DEV		
	Select Components		Prefix can contain only alpha-numeric chara	cters. Prefix should not	
	Schema Passwords		start with a number and should not contain a	ny special characters.	
	Man Tablesnases	Component		Schome Ouror	
	Y Map Tablespaces	ERIAS Common Schem	as	Schema Owner	
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Oracle Adaptive Access Manager	00:00.102(ms)	BD Oracle Date Integra	tor		
Oracle Adaptive Access Manager(Pa	rtition Support) 00:00.105(ms)	I Oracle Data Integra	elligence		
 Oracle Entitlements Server 	00:00.100(ms)	I Webl agic Commun	ication Services		
SOA Infrastructure	00:00.114(ms)	BRISOA and BPM Infras	structure		
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Operation completed. Click OK to continue t	in pext page				
operation completed, ener or to continue t	is next page.	Messages:			
	QK				

3). JDK and WebLogic installed on a SLES11 SP3 64-bit OS where IDM will be installed.

2. Login to the SLES 11 SP3 64-bit OS as a non-admin user (same user with which Oracle, Java, and WebLogic were installed)

3. Download Oracle Identity Management(IDM) from: http://www.oracle.com/technetwork/middleware/downloads/fusion-downloads-1714164.html

4. Unzip the zip file and goto Disk1. Then run the installer with the command:

./runInstaller - ignoreSysPrereqs

Install Flow:





3). Install Software Updates. Selected "Skip Software Updates" then click Next to continue.





(Notes:

a). Install and configure - Choose the Install and Configure option to install Oracle Identity Management components and simultaneously configure some of their fundamental elements, such as passwords, user names, and so on. Oracle Identity Management components start running and are immediately ready for use after deploying them using the Install and Configure option.

If you choose the Install and Configure option, you will see additional Installer screens that will not appear using the Install Software - Do Not Configure option. These additional screens prompt you for information the Installer uses to configure Oracle Identity Management components.

b). Install Software - Choose the Install Software - Do Not Configure option to install Oracle Identity Management components without configuring them during installation. If you choose the Install Software - Do Not Configure option, the Installer installs the component software and then closes. Oracle Identity Management components will not start running after deploying them using the Install Software - Do Not Configure option, as additional configuration is needed

After you install components using the Install Software - Do Not Configure option, you can configure them at a later time using the Oracle Identity Management 11g Release 1 Configuration Wizard, which is included with the release media. To start the Oracle Identity Management 11g Release 1 Configuration Wizard, execute the ORACLE_HOME/bin/config.sh script (config.bat on Windows)

)



6). Specify Security Updates, provide the email address to specify the security updates.(Optional). Click Next to continue. 20 SI ES11SD2: reals SW//DM/Diaki

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oracle@\/1720-SLF	ES11SP3:~/Desktor	2 oracle@\/1720-SLES11SP3:~	0racle@\/1720-SLES	11SP3 Oracle S	₩ oracle@SLES11S	P3-32-RCU: 1.7.0/rcu 🦋	oracle@V1720-SLES11SP3:racle_SW/IX
oracle@V1720-S	SLES11SP3:~/Oracle_S	SW/IDM/Disk1> ./runInstaller -	ignoreSysPrereqs	1151 501acic_5		133211001.7.0/100 N	
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Checking monit Preparing to l	tor: must be configu launch Oracle Univer	ured to display at least 256 c rsal Installer from /tmp/OraIn	olors. Actual 16777216 stall2013-08-28 05-13-15P	Passed M. Please wait	oracle@V1720-SLE	S11SP3:~/Oracle SW/IDM	M/Diskl> Log: /opt/oracle/oraInvent
ory/logs/insta	all2013-08-28_05-13-	-15PM.log					
			Oracle	Identity Managem	ient Installation - Step 5	of 8 _	×
			Specify Security U	pdates			
			Welcome	Provide your email 7	address to be informed of se	curity issues, install the product	
			Skip Software Updates Install Only	and initiate configur	ration manager. <u>View details</u> .		
			Specify Installation Locatio	E <u>m</u> ail:	Easier for you if	you use your My Oracle	
			Security Updates		Support email a	ddress/username.	
			Installation Summary Installation Progress	I wish to receive	security updates via My Orac	le Support.	
			Installation Complete	My <u>O</u> racle Suppo	irt Password:		
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			Help		< <u>B</u> ack <u>N</u> e	xt > Einish Cancel	
						Elapsed Time: 2m 55	55
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(Notes:

a) If you want to be notified about security issues through email, enter your email address in the Email field.

b) If you want to be notified about security issues through My Oracle Support (formerly MetaLink), select the My Oracle Support option and enter your My Oracle Support Password.

c) If you do not want to be notified about security issues, leave all fields empty.

)

7). Installation Summary will be displayed. Click **"Save"** and save the response file which might be used for future reference, click **OK** and click **Install** to continue.



8). Installation Progress. This screen shows you the progress of the installation. (**Note:** If you want to quit before the installation is completed, click **Cancel**.)

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Checking Temp spa Checking swap spa Checking monitor: Preparing to laur ory/logs/install2	ace: must be greater t ace: must be greater t : must be configured t nch Oracle Universal I 2013-08-28_05-13-15PM.	han 400 MB. Actual 12 han 500 MB. Actual 81 o display at least 256 nstaller from /tmp/OraI log	3 MB Passed MB Passed Jors. Actual 16777216 Passed tall2013-08-28_05-13-15PM. Please waitoracle@v1720-SLES11SP3:~/Oracle_SW/IDM	4/Diskl> Log: /opt/oracle/oraInvent
			Oracle identity Management Installation - Step 7 of 8 ×	
		Installati	n Progress	
		Install Only Specify Instal Security Upp Installation S	pdates Progress Completed Install Log /opt/oracle/oralnventory/logs/install2013-08-28_05-13-15PM.log Installaton of post install scripts Applying Oncert Patch Execution of nost install scripts completed Execution of nost install scripts completed Execution of nost install scripts completed Complete Fusion Middleware Extreme Productivity	
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After the progress completed. Click **Next** and a pop-up message will be displayed as belows. Open a separate terminal mode and login as **root** user and run the shell file oracleRoot.sh specified in the below location then click **OK** to continue.

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oracle@V1720-SLE	S11SP3:~/Desktop	oracle@V1720-SLES11SP3:~	X oracle@∨1720	-SLES11SP3:Oracle_S	oracle@SLES11SF	'3-32-RCU:1.7.0/rcu 💥	oracle@V1720-SLES1	I1SP3:racie_SW/I 💥
oracle@V1720-SL Starting Oracle	LES11SP3:~/Oracle e Universal Insta	_SW/IDM/Diskl> ./runInstaller -ignor ller						^
Checking Temp s Checking swap s Checking monito Preparing to la ory/logs/instal	space: must be gr space: must be gr or: must be confi aunch Oracle Univ ll2013-08-28_05-1	eater than 400 MB. Actual 12263 MB eater than 500 MB. Actual 8189 MB gured to display at least 255 colors ersal Installer from /tmp/OraInstall 3-15PM.log	Passed Passed . Actual 1677 2013-08-28_05-13	77216 Passed 8-15PM. Please wait Oracl	oracle@V1720- SLES e Identity Management Ir	11SP3:~/Oracle_SW/IDM	/Diskl> Log: /opt _ ×	/oracle/oraInvent
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		k		Security Updates Installation Summary Installation Progress	Installation Successful. Starting execution of post i Applying WebLogic Patch Applying Oneoff Patch Execution of post install sc	nstall scripts ripts.completed	•	
	A configuratio proceed. Leavi '/opt/oracle/C	oracleRoot.sh.confirmation.dialog hscript needs to be run as root before installation car ig this windowopen, open another window and run racle/Middleware/Oracle_DM1/oracleRoot.sh' as roo	x t.	Oracle Fo	usion Middlewa	More Flex	ibility ORACLE	
			QK	Help		< <u>B</u> ack <u>N</u> ext >	Elapsed Time: 18m 30s	
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9). Installation Complete. This screen summarizes the installation that was just completed. If you want to save this summary information to a text file for future reference, click **Save**. Then click **OK** on **Configuration File Message** popup and then click **Finish** to dismiss the screen.



5. Oracle IDM Configuration. After the IDM installation is complete, use **config.sh** from **bin** directory in **ORACLE HOME** to configure working instances of these installed components.

Configuration Steps:

1). Welcome Screen will be displayed as shown below.



2). Select Domain. Creating the Domain, type the username, password, and Domain name. Click **Next** to continue.

(Notes:

- 1. In order to use an existing domain, the domain must be up and running
- 2. Only OID and OVD can be configured with No domain option
- 3. Don't give the username and domain name as keywords, i.e. Oracle, WebLogic, etc.,





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oracle@V1720-SLES11SP3:~	op X oracle@V1720-SLES11SP3:~ X oracle@V1720-SLES11SP3Oracle_S X oracle@SLES11SP3-32-RCU1.7.0/rcu X oracle@V1720-SLES11SP3:re/Oracle_I X
oracle@V1720-SLES11SP3 Starting Fusion Middle ORACLE_HOME set as /op PATH set as /opt/oracl uct/11gR1/db/bin LD_LIBRARY_PATH set as Starting Oracle Univer	-acle/Middleware/Oracle_IDM1/bin> ./config.sh Configuration Wizard acle/Oracle/Middleware/Oracle_IDM1 acle/Middleware/Oracle_IDM1/bin:/usr/bin:/usr/bin:/usr/X11R6/bin:/usr/games:/usr/lib/mit/bin:/usr/lib/mit/sbin:/opt/oracle/prod t/oracle/Oracle/Middleware/Oracle_IDM1/lib:/opt/oracle/product/11gR1/db/lib:/opt/oracle/product/11gR1/db/ctx/lib tnstaller
Checking swap space: m Checking monitor: must Preparing to launch or acle/oraInventory/logs	se greater than 500 MB. Actual 8189 MB Passed configured to display at least 256 colors. Actual 16777216 Passed Universal Installer from /tmp/OraInstall2013-08-28.05-33-40PM. Please waitoracle@V1720-SLES11SP3:~/Oracle/Middleware/Oracle_IDM1/bin> Log: /opt/or tall2013-08-28_05-33-40PM.log Oracle Identity Management Installation - Step 3 of 12 _ x Specify Installation Location
	Welcome Create Domain Specify Installation Locati Security Updates Configure Components Configure Ports Specify OID Details Specify OID Details Specify Oracle Identity Feder Specify Oracle Identity Feder Installation Complete This is the location containing the WebLogic Server.
	Help < Back Next > Finish Cancel
	Elapsed Time: 0m 52s
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- Select the Middleware Home Location (WLS Installed Location) from the available WLS location.
- Specify a directory name for Oracle Home. It creates a directory with the specified name inside the Middleware Home.
- Specify the Oracle Instance Location.
- Specify a unique name for Oracle Instance

Click Next to continue.

4). Specify Security Updates, provide the email address to specify the security updates.(Optional). Click **Next** to continue.



5). Configure Components, either select all the components or individual components for installation. Click **Next** to continue.

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oracle@V1720-SLE	S11SP3:~/Desktop 🛛 💥	oracle@V1720-SLES11SP3:~	oracle@V1720-SLES11SP3:Oracle_S 💥	oracle@SLES11SP3-32-RCU:1.7.0/rcu	oracle@V1720-SLES11SP3:re/Oracle_I 🗙
oracle@V1720-SL Starting Fusion ORACLE_HOME set PATH set as /op uct/11gR1/db/bi LD_LIBRARY_PATH Starting Oracle	ES11SP3:~/Oracle/Mid Middleware Configura tas /opt/oracle/Oracle/Orac ot/oracle/Oracle/Midd n H set as /opt/oracle/M Q Universal Installer	dleware/Oracle_IDM1/bin> ./ ation Wizard Le/Niddleware/Oracle_IDM1 leware/Oracle_IDM1/bin:/usr Oracle/Middleware/Oracle_IC 	ig.sh cal/bin:/usr/bin:/bin:/usr/bin/X11:/usr/X1 kib:/opt/oracle/product/11gR1/db/lib:/opt/	1R6/bin:/usr/games:/usr/lib/mit/bi oracle/product/l1gR1/db/ctx/lib	n:/usr/lib/mit/sbin:/opt/oracle/prod
Checking swap s Checking monito Preparing to la acle/oraInvento	space: must be greater pr: must be configurer aunch Oracle Universa pry/logs/install2013-(r than 500 MB. Actual 818 d to display at least 256 c l Installer from /tmp/OraIn 08-28_05-33-40PM.log	Passed rs. Actual 16777216 Passed l2013-08-28_05-33-40PM. Please waitor. Oracle Identify Management Installation	acle@V1720-SLES11SP3:~/Oracle/Midd - Step 5 of 12 _ X	leware/Oracle_IDM1/bin> Log: /opt/or
		с	igure Components	FUSION MIDDLEWARE 118	
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6). Configure Ports as shown below, select "Auto Port Configuration". Click Next to continue.



(Notes:

a. **Auto Port Configuration:** When you use the Auto Port Configuration option during installation, the Installer follows specific steps to assign ports. The following information describes the default ports and port assignment logic the Installer uses to assign ports for various Oracle Identity Management components when you use the Auto Port Configuration option during installation.

Oracle Virtual Directory:

Non-SSL port: 6501 SSL port: 7501 Admin port: 8899 HTTP port: 8080 First, the Installer attempts to assign the default port. If the default port is unavailable, the Installer tries ports within a range of 50 from the default port. For example, when the Installer assigns the non-SSL port for Oracle Virtual Directory, it first attempts to assign 6501. If 6501 is unavailable, it tries ports from 6501 to 6551. The Installer uses this approach to assign all Oracle Virtual Directory ports.

Oracle Internet Directory:

Non-SSL port: 3060 SSL port: 3131

First, the Installer attempts to assign default ports. If the non-SSL port is unavailable, the Installer tries ports from 3061 to 3070, then from 13060 to 13070. Similarly, the Installer first attempts to assign 3131 as the SSL port, then ports from 3132 to 3141, and then from 13131 to 13141.

• Oracle Identity Federation: 7499

First, the Installer attempts to assign the default port. If the default port is unavailable, the Installer tries ports in increments of one, that is: 7500, then 7501, then 7502, and so on. The Installer tries ports up until 9000 to find an available port.

• Oracle Directory Services Manager: 7005

First, the Installer attempts to assign the default port. If the default port is unavailable, the Installer tries ports in increments of one, that is: 7006, then 7007, then 7007, and so on. The Installer tries ports up until 9000 to find an available port.

• Oracle WebLogic Administration Server: 7001

b. Select Specify Ports using Configuration File if you want the Installer to configure ports using the staticports.ini file. You can click View/Edit File to update the settings in the staticports.ini file.

7). For Specify Oracle Virtual Directory information, enter the details of LDAP v3 Name Space (by default dc=us,dc=oracle,dc=com is populated), enter OVD administrator user name (by default cn=orcladmin is populated), and type the password. Click **Next** to continue.



8). Specify Schema Database(where OID schema must be loaded in prior using RCU), use the existing schema connection string details in the format <hostname>:<port>:<service_name>, type the password, and click **Next** to continue.



(Notes:

Select Use Existing Schema:

- Enter the database connection information in the Connect String field. The connection string
 must be in the form of hostname:port:servicename. For Oracle Real Application Clusters (RAC),
 the connection string must be in the form of
 hostname:QuertOrienters2@eeervicename.
- hostname1:port1:instance1^hostname2:port2:instance2@servicename.
- Enter the password for the existing ODS schema in the Password field.
- Click Next.

Select Create Schema:

- Enter the database connection information in the Connect String field. The connection string must be in the form of hostname:port:servicename. For Oracle Real Application Clusters (RAC), the connection string must be in the form of
- hostname1:port1:instance1^hostname2:port2:instance2@servicename.
- Enter the name of the database user in the User Name field. The user you identify must have DBA privileges.
- Enter the password for the database user in the Password field.
- Click Next. The Enter OID Passwords screen appears.
- Create a password for the new ODS schema by entering it in the ODS Schema Password field. Enter it again in the Confirm ODS Schema Password field.
- Create a password for the new ODSSM schema by entering it in the ODSSM Schema Password field. Enter it again in the Confirm ODSSM Schema Password field.
- Click Next. The Create Oracle Internet Directory screen appears

)

9). Create Oracle Internet Directory, realm text box will be populated by default, type the Administrator Password, and confirm the same. Click **Next** to continue.



10). Specify Oracle Identity Federation Details as shown below, click **Next** to continue.

oracle@V1720-SLES11SP3:...re/Oracle_IDM1/bin
File Edit View Terminal Tabs Help



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11). Select OIF Advanced Flow Attributes (Accept the default values). Click Next to continue.



12). Installation Summary will be displayed. Click "Save" and save the response file which might be used for future reference, click OK and click Configure to continue. oracle@V1720-SLES11SP3:.



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13). Configuration Progress will automatically completed. Please make sure all of the progress done and success. Click **Next** to continue.



14). Installation complete message will be displayed, click the button **"Save"** to save the installation summary, which will be used to identify the port numbers for future reference, and click **OK**.




(Note:

You can view the installation summary file to get more details info, a complete installation summary file is similar like follows:

The installation details as below:

Type: Configure Only Middleware Home Location : /opt/oracle/Oracle/Middleware Oracle Instance Location : /opt/oracle/Oracle/Middleware/asinst 1 Oracle Instance : asinst_1 Domain Option : Create Domain Domain Name : IDMDomain1 Domain Home : /opt/oracle/Oracle/Middleware/user_projects/domains/IDMDomain1 Domain Host Name : V1720-SLES11SP3.site Domain Port: 7001 Weblogic Console : http://V1720-SLES11SP3.site:7001/console Weblogic User Name : weblogic1 Automatic Port Detection : true Enterprise Manager : http://V1720-SLES11SP3.site:7001/em Enterprise Manager Agent http://V1720-SLES11SP3.site:5162/emd/main **Oracle Internet Directory** SSL Port : 3131 Non SSL Port : 3060 Database : DB-ISV3.site:1521:orcl **Oracle Virtual Directory** Admin SSL Port : 8899 SSL Port : 7501 Non SSL Port: 6501 Oracle Directory Services Manager : http://V1720-SLES11SP3.site:7005/odsm/faces/odsm.jspx **Directory Integration Platform** wls ods1 : 7005 **Oracle HTTP Server** Administrator Port: 9999 HTTPS Port : 4443 HTTP Port: 7777 Oracle Identity Federation http://V1720-SLES11SP3.site:7777/fed/user/testspsso wls oif1:7499

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6. IDM Post Install Sanity Checks

1). Check the opmnctl status as shown below, Status should prompt as "Alive".

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2) Access to IDM console URL: http://<host>:<admin_port>/console. Console page should get opened successfully as below.



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3). Access to Enterprise Manager URL: http://<host>:<admin_port>/em. The EM page should displayed as below.



4). Access to Enterprise Manager Agent URL: http://<host>:<admin_port>/emd/main. (The default server port is 5162.) The EMAgent page should displayed as below.



5). Open the Oracle Directory Services Manager(ODSM) page by typing the url: http://<host>:<admin_port>/odsm/faces/odsm.jspx (The default server port is 7005), the ODSM Web Page should get opened as shown below.



a. ODSM connect OID Testing Create a new connection, click Connect.





Click on "**Data Browser**" to navigate the LDAP directory using the browse tree. Traverse down to non-root entry "cn=Users" and add a new user as cn=<new_user>. Created 'PUBLIC1' as shown below.

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From the command line use **Idapsearch** to confirm that <new_user> is present.

Next, Delete cn=<new_user> using ODSM and using the command line **Idapsearch** to confirm that <new_user> is not present.

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b. ODSM connect OVD Testing

Create a new connection, click Connect. <u>File E</u>dit <u>V</u>iew Hi<u>s</u>tory <u>B</u>ookmarks <u>T</u>ools <u>H</u>elp 🗍 Oracle Identity Federation Serve... 💥 🏹 Directory Manager × + 7 🕶 🕄 🚼 🗸 Goog ۵ 🏠 🔹 🛞 v1720-sles11sp3.site:7005/odsm/faces/odsm.jspx?_adf.ctrl-state=fg44vxguy_4 📷 Most Visited 🌱 🛅 SUSE 🌱 🌘 Getting Started 🔊 Latest Headlines 🌱 📄 Mozilla Firefox 🌱 Directory Services Manager Welcome to Oracle Directory Services Manager Enterprise Manage Oracle Internet Directory New Connectio Oracle Virtual Directory Fill in the connection information below Directory Type OOD OVD Name OVD_Test001 * Server V1720-SLES11SP3.site * Port 8899 SSL Enabled 🗹 * User Name cn=orcladmir * Password Start Page Home -Copyright @ 2009, 2013 Oracle and/or its a iliates. All rights res Connect Cancel **Oracle Directory Services Manager** 📃 Computer V1720-SLES11SP3] 🛛 📝 [IDM11.1.1.7.0_Config...) 🗐 Directory Manager -۵ 🕼 🔜 🖾 🕑 Wed Aug 28, 6:53 PM 🔛

Certificate Trust Validation will be displayed. Click 'This Session Only' to continue.



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Next, OVD Home Page will be displayed. Click **Adapter** to create a new Adapter for testing.

A new Adapter Wizard will be displayed. Choose Adapter type as "Local Store" and fill in "Adapter Name" and click **Next** to move to "Settings".

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Fill in Namespace as "o=example" and verify that adapter is successfully created. Click **Next**.

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Here, a summary will be displayed as below and click Finish.

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General of the new Adapter as shown below.

Next, back to the OVD Home Page and Refresh Adapter area. The new Adapter will be displayed.

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6). Oracle Internet Directory(OID) and Oracle Virtual Directory(OVD) Sample Connect Testing.

a. OID Sample Connect Testing

1. Download SampleConnectBy.zip from

<u>http://www.oracle.com/technology/sample_code/products/id_mgmt/javaapi/SampleConnectBy.zip</u> , which tests Oracle Internet Directory and unzip it into <SAMPLE_HOME>

2. Create and load test specific entries using Idapadd and <SAMPLE_HOME>/data/sample.ldif.

3. Follow instructions from Readme(Download URL:

<u>http://www.oracle.com/technology/sample_code/products/id_mgmt/javaapi/Readme_connectby.doc</u>) to deploy and run the SampleConnectBySearch application.

4. The test deployment should run without errors. The output should match "OID Test Result" given in following pictures.

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5. Delete test specific entries using Idapdelete and <SAMPLE_HOME>/data/sample_del.ldif.



b. OVD Sample Connect Testing

1. Connect to OVD through ODSM and create Local Store Adapter with the Namespace as "o=example". In addition, edit the adaptor and check the box "Auto RDN".

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2. Download SampleConnectBy.zip from

<u>http://www.oracle.com/technology/sample_code/products/id_mgmt/javaapi/SampleConnectBy.zip</u>, which tests Oracle Virtual Directory and unzip it into <SAMPLE_HOME>

3. Create and load test specific entries using Idapadd and <SAMPLE_HOME>/data/sample.ldif.

4. Follow instructions from Readme(Download URL:

http://www.oracle.com/technology/sample_code/products/id_mgmt/javaapi/Readme_connectby.doc to deploy and run the SampleConnectBySearch application.

5. The test deployment should run without errors. The output should match "OVD Test Result" given in following pictures.



×

6. Delete test specific entries using "Idapdelete" and <SAMPLE_HOME>/data/sample_del.ldif.

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Portals, Forms, Reports and Discoverer Installation

1. Prerequisites

Installation of Portal, Forms, Reports, and Discoverer requires:

1). Oracle Database 11gR2 installed separate on a SLES 11 SP3 64-bit OS

2). RCU (with Portals, Forms, Reports and Discoverer schema) created from a SLES 11 SP3 32-bit OS

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Screenshot: RCU with Portals, Forms, Reports and Discoverer schema

3). Oracle Internet Directory 10g **10.1.4.0.1** upgraded to **10.1.4.3** installed separately on a SLES **10** SP2 machine, follow the installation instructions in the url: (<u>http://download.oracle.com/docs/cd/B28196_01/install.1014/b28194/title_linux.htm</u>) for OID installation.

4). Login to the SLES 11 SP3 64-bit OS, install Java, WebLogic, and as an admin user install the following **openmotif** packages .

openmotif-libs-32bit-2.3.1-3.13.x86_64.rpm openmotif-libs-2.3.1-3.13.x86_64.rpm openmotif-2.3.1-3.13.x86_64.rpm openmotif22-libs-32bit-2.2.4-139.1.x86_64.rpm openmotif22-libs-2.2.4-139.1.x86_64.rpm openmotif21-libs-32bit-2.1.30MLI4-0.1.1.x86_64.rpm

These packages can be installed from **SLED 11 SP3 ISO DVD**. Or download from the URL: (<u>ftp://ftp.novell.com/partners/oracle/sles-11/openmotif_FUSION_SLES11.tgz</u>) Once the above packages were installed **reboot** the machine.

2. Now login as a non-admin user download the Portal, Forms, Reports, and Discoverer installer from the URL: (<u>http://www.oracle.com/technetwork/middleware/downloads/fusion-downloads-1714164.html</u>)

3. Unzip the zip file and go to Disk1/, run the installer with the parameters -ignoreSysPrereqs.

Install Flow:

1). Specify Inventory directory will be prompted

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oracle@V1720-SLE Starting Oracle (S11SP3:~/Oracle_SW/Port Universal Installer	al_FR_Discoverer_111160/Disk1> ./runInstall	er -ignoreSysPrereqs			<u>^</u>
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		🔊 Oracle Portal, Form	is, Reports and Discoverer 11g	×		
		Specify Inventory directory		<u>eware</u> 11 <i>g</i>		
		You are starting your first installation on this host. A installer files. This is called the "inventory directory", up subdirectories for each product to contain invent	As part of this install, you need to specify a dire . Within the inventory directory, the installer au tory data and will consume typically 150 Kiloby	ctory for tomatically sets tes per product.		
		Enter the full path of the inventory directory. You can specify an Operating System group that has	write permissions to the above directory		k	
		Inventory Directory:	/opt/oracle/orainventory	Browse		
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						≡
		Help	<u>O</u> k	Cancel		
Computer	V1720-SLES11SP3	🛅 [3_Portal-Install_pic 🛃 Oracle Portal, Forms,			🕼 🔋 🖾 🖾 🔲	Wed Jul 10, 5:13 PM 🔛

(Note:

The above screen appears for UNIX systems only; if this is your first Oracle installation on this host, you must specify the location of the inventory directory. This inventory directory is used by the installer to keep track of all Oracle products installed on the computer.

The default inventory location is USER_HOME/oraInventory.

In the Operating System Group name field, select the group whose members you want to grant access to the inventory directory; all members of this group will be able to install products on this machine.

Click **OK** to continue.

)

2). Inventory Location Confirmation Dialog will be displayed.



You are asked to run the inventory_directory/createCentralInventory.sh script as root. If you do not have root access on this machine but wish to continue with the installation, select Continue installation with local inventory.

Click OK to continue.



(Note:

Before continuing, make sure that you have created the necessary schemas for the "Portal, Forms, Reports, and Discoverer", OID 10.1.4.0.1 has been installed and upgraded to existing OID installation to 10.1.4.3, and also you have installed and configured WebLogic Server. Besides, enable Oracle DB server, OID server and Portal... Discoverer server know each other by Hostname.

)

4) Selecting the Installa	ation Type as show	n below.		
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oracle@V1720-SLES11SP3:~/Oracle_SW/Porta Starting Oracle Universal Installer	L_FR_Discoverer_111160/Diskl> ./r	unInstaller -ignoreSysPrereqs		
Checking Temp space: must be greater than Checking swap space: must be greater than Checking monitor: must be configured to Preparing to launch Oracle Universal Ins g: /opt/oracle/oraInventory/logs/install	n 270 MB. Actual 45590 MB Pa n 500 MB. Actual 8189 MB Pas display at least 256 colors. A taller from /tmp/OraInstall2013-0 2013-07-10_05-13-38PM.log	ssed sed ctual 16777216 Passed 7-10_05-13-38PM. Please waitoracle@V1720-SLES11SP3:~/	/Oracle_SW/Portal_FR_Discoverer_111160/Disk1>	Lo
	Select Installation	Type		
	Weicome installation Jocatio Specify Installation Locatio Specify Installation Locatio Installation Summary Installation Progress Installation Complete	Install and Configure Installs binaries in an ORACLE HOME and configures working instance in an INSTANCE HOME (or install Software - Do Not Configure Refore these installed components will work; they must be configured by running the configuration wizard.		
	<	Installs software only. After installation is complete, use config.sh from bin directory in ORACLE HOME to configure working instances of these installed components.	k	
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Select the type of installation you want to perform.

• Install and Configure

Select this option to have the installer create an Oracle Home directory where the software will be installed, and an Oracle Instance directory where a working instance of the software will be created.

After the installation is complete, you can modify the configured instance using Enterprise Manager or WebLogic Server Administration Console.

• Install Software - Do Not Configure

Select this option to have the installer create an Oracle Home directory where the software will be installed. After the installation, you must run the Configuration Tool separately to configure a working instance.

	5). Specify the Installation L	ocations as sh	NOWN belo	w, click Next to continu	e. -	- ×
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6). Specify Security Updates, provide the details and click Next to continue. Provide Updates ESISPS - Oracle State Sta	Computer	tal-Install pic -	ortal Forms		🗐 🕼 🕅 🚔 🥅 🚺 🚺 Wed Jul 10, 5:15 F	- - M 🕅
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Specify Installation Locato Specify Sectory Updates Installation Summary Installation Complete My Qracle Support Password My Qracle Support Password		<u>Welcome</u> <u>Install Only</u>	Provide your email add and initiate configurat	dress to be informed of security issues, install the product ion manager. <u>View details</u> .		
		Specify Installation Locatio Specify Security Updates Installation Summany	E <u>m</u> ail:	Easier for you if you use your My Oracle Support email address/username.		
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				Elapsed Time: 1m 32s		

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(Note:

Enter your E-mail address if you want to receive the latest product information and security updates. If you have a My Oracle account and wish to receive updates via this mechanism, select I wish to receive security updates via My Oracle Support, then enter your account password.

If you do not wish to register for Oracle Configuration Manager, leave all the fields on this screen blank. You will be prompted to confirm your selection with the following screen:



Click **Yes** to confirm that you do not want to register for security updates.



Review the information on this screen, and click **Install** to begin the installation. The operations summarized on this page will be performed when you click Install.

If you want to make any changes to the configuration before starting the installation, use the navigation pane and select the topic you want to edit.

If you want to save this configuration to a text file, click **Save**. This file can be used later if you choose to perform the same installation from the command line.

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oracle@V1720-9 Starting Oracl	GLES11SP3:~/Oracle_SW/Po le Universal Installer	rtal_FR_Discoverer_111	160/Diskl> ./runInstaller -ig	noreSysPrereqs			
Checking Temp Checking swap Checking monit Preparing to 1 g: (opt/oracle	space: must be greater space: must be greater tor: must be configured launch Oracle Universal e/oraToventory/logs/ips/	than 270 MB. Actual - than 500 MB. Actual - to display at least 250 Installer from /tmp/0r. all2013-07-10.05-13-38	45590 MB Passed 3189 MB Passed 5 colors. Actual 16777216 31nstall2013-07-10_05-13-38PM 30100	Passed 1. Please waitoracle@V1720-SLES11SP3	8:~/Oracle_SW/	/Portal_FR_Discover	er_111160/Diskl> Lo
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			Oracle Fusion Middlev	More Flexibility CRACLE	275		=
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	e installation is	s complete, c	lick Next to conti	NUE. 33verer_111160/Disk1			_ ¤ ×
		M		aracle@\/1720.SLES11SB2:_verer_111160/Dick1	×		1.0.0 for all large thin

8). By clicking **Install**, an Installation Progress Screen will be displayed.

Oracle Universal Installe Installation Progress Progress Install Only Setting up Specify Insta Install Log /opt/oracle/oralnventory/logs/install2013-07-10_05-13-38PM.log Specify Security Upd Installation Successful. Starting execution of post install scripts Applying Oneoff Patch... Execution of post install scripts complet Installation Progress **Oracle Fusion Middleware** Improved Experience < <u>B</u>ack Next > Cancel Help ed Time: 16 🗏 Computer 🛛 V1720-SLES11SP3 📄 3_Portal-Install_pic - ... 🖸 Oracle Portal, Forms,...



Then, a message will be displayed as oracleRoot.sh file needs to be executed with root user.

9). Installation Complete. You can click **Save** to save your configuration information to a file. Then, Click **Finish** to dismiss the screen.

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										<u>●</u> −−−−−−−−−−−−−−−−−−−−−−	Welcome Install Only Specify Install Specify Securi Installation Su Installation P Installation C	lation Loca ity Update: ummary rogress Complete	tio Si Or su	Type: -Ins	Oracle Poi talled App -Portal -Forms - -Reports - -Discoveris - Reports - -Reports - -Reports - -Web Cach -Web Cach -EM Agent -allation Su g Portal, F-	rtal, Form plications er iilder Builder tem Com ne t ummary: orms, Rep	aponents Save	s and Di	scoverer er Produc	Instaliat	stalled		Conf	succes config /opt/c _Instal	on File ssfully c uration oracle/P llation_(Message reated the file at ortal_11.1 complete	е X .1.2.0 ОК		11
											Help						< <u>B</u> 2	ick <u>N</u>	lext >	Einish Elapse	ed Time	Cancel :: 17m 17s							
	ompute	r		V1	720-SLES11S	P3	BB	Portal-Instal	_pic	O Ora	cle Portal, Fo	rms,								Q	þ 🔋		С.			Wed Jul 1	0, 5:31	PM 🕻	

4. The Oracle Portal, Forms, Reports and Discoverer(11.1.1.2.0) installation is completed. Then upgrade to (11.1.1.6.0). Extract the "p13517084_111160_Linux-x86-64.zip" file to a separate directory and go to Disk1/, run the installer(./runInstaller) with the parameters -ignoreSysPrereqs.

Install Flow:

1). A Welcome message will be displayed, click **Next** to continue.

	gg	or	acle@V1720-SLES11SP3:0_patch-set/Disk1	_ • ×
File Edit View T	erminal Tabs Help			
oracle@V1720-SLES	11SP3:~/Desktop 💥	oracle@V1720-SLES11SP3:Orac	le_SW/WebLogic 🗶 oracle@V1720-SLES11SP3:0_patch-set/Disk1	oracle@SLES11SP3-32-RCU:1.6.0/rcuHome/bin 🛛 💥
oracle@V1720-SLE	ES11SP3:~/Oracle_SW/Portal_FR_	Discoverer_111160/Portal_	1.1.1.6.0_patch-set/Disk1> ./runInstaller -ignoreSysPrereqs	
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		O Oracle Portal Forms	Reports and Discoverer 11g Patchset Installation - Step 1 of 6	
		Welcome		
		🥥 Welcome		
		Specify Installation Locatio	Welcome to Oracle Fusion Middleware 11g Portal, Forms, Reports, and Discoverer Patchset Installer version 11.1.1.6.0.	
		Security Updates	You are about to patch the applications and components contained in	
		Installation Summary	Oracle Portal, Forms, Reports, and Discoverer	
		Installation Progress	Before proceeding, make sure that you have installed and configured	
		o instantion complete	Reports, and Discoverer.	t
			Context-sensitive help is available by clicking Help	
			Click Next to begin the installation.	
			Convright (c) 1982–2011. Oracle and/or its affiliates. All rights reserved	
		Help	< <u>Back</u> <u>Einish</u> Cancel	
			Elapsed Time: 0m 5s	=
📃 Computer	V1720-SLES11SP3	Portal-Upgrade_pi Oracle	Portal, Forms,	🕼 🚡 🖾 🥅 🚺 🚺 Wed Jul 10, 5:32 PM 🞇

2). Specify the Installation Locations as s	shown below, click Next to continue.
I and a second	oracle@V1720-SLES11SP3:0_patch-set/Disk1 _ 0 X
oracle@V1720-SLES11SP3:~/Desktop 🕺 oracle@V1720-SLES11SP3:Ora	acle_SW/WebLogic 🕱 oracle@V1720-SLES11SP3:0_patch-set/Disk1 🕺 oracle@SLES11SP3-32-RCU:1.6.0/rcuHome/bin 🕺
oracle@V1720-SLES11SP3:~/Oracle_SW/Portal_FR_Discoverer_111160/Portal_ Starting Oracle Universal Installer	11.1.1.6.0_patch-set/Disk1> ./runInstaller -ignoreSysPrereqs
Checking Temp space: must be greater than 80 MB. Actual 41150 MB Checking swap space: must be greater than 512 MB. Actual 8189 MB Checking monitor: must be configured to display at least 256 colors. Preparing to launch Oracle Universal Installer from /tmp/OraInstall20 .1.1.6.0_patch-set/Diskl> Log: /opt/oracle/oraInventory/logs/install2	Passed Passed Actual 16777216 Passed 13-07-10_05-32-02PM.Please waitoracle@V1720-SLES11SP3:~/Oracle_SW/Portal_FR_Discoverer_111160/Portal_11 013-07-10_05-32-02PM.log
Specify Installati	
Welcome Specify Installation Locat Security Updates Installation Summary Installation Progress Installation Complete	Oracle Middleware Home: /oracle/Middleware V Browse Oracle Home Directory: as_1
	🏦 Portal, Forms, Reports, and Discoverer must already be installed.
Help	<gack next=""> Einish Cancel</gack>
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Computer	e Portal, Forms 🕼 🖳 🛄 👘 Wed Jul 10, 5:32 PM 😭

(**Note:** Oracle Portal, Forms, Reports and Discoverer(11.1.1.2.0) must already be installed. Here specify Oracle Middleware Home and Oracle Home Directory same as 11.1.1.2.0.)

3). Specify Security Updates, provide the details and click **Next** to continue.

File Edit View Terminal Tabs Help	01	1016@41720-51551	n SPS			-	
oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SLES11SP3:Orac	e_SW/WebLogic	oracle@V1720-SLES11SP3:0_patch-set/Disk1	× oracle	@SLES11SP3-32-RCU:1	6.0/rcuHome/bin	×
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	Specify Security L	pdates	CRACLE FUSION MIDLEWARE 118				
		Provide your email and initiate configu	address to be informed of security issues, install the product ration manager. <u>View details</u> .				
	Security Updates Installation Summary Installation Progress	E <u>m</u> ail:	Easier for you if you use your My Oracle Support email address/username.				
	 Installation Complete 	My <u>Oracle</u> Suppo	security updates via My Oracle Support.				
	Help		< <u>Back</u> Next > Einish Cancel				
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Computer	Portal-Upgrade_pi Oracle	Portal, Forms,		۵ 🕼		Wed Jul 10, 5:32	РМ 🖾

(Note:

Enter your E-mail address if you want to receive the latest product information and security updates. If you have a My Oracle account and wish to receive updates via this mechanism, select I wish to receive security updates via My Oracle Support, then enter your account password.

If you do not wish to register for Oracle Configuration Manager, leave all the fields on this screen blank. You will be prompted to confirm your selection with the following screen:



Click $\ensuremath{\text{Yes}}$ to confirm that you do not want to register for security updates.)



Review the information on this screen, and click **Install** to begin the installation. The operations summarized on this page will be performed when you click Install.

If you want to make any changes to the configuration before starting the installation, use the navigation pane and select the topic you want to edit.

If you want to save this configuration to a text file, click **Save**. This file can be used later if you choose to perform the same installation from the command line.



5). By clicking Install, an Installation Progress Screen will be displayed.

📃 Computer 🛛 😰 V1720-SLES11SP3 📄 [4_Partal-Upgrade_pl...] 🖸 Oracle Portal, Forms....

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			Oracle Poi Installatio Welcome Specify Installat Security Updat Installation Su Installation Co	rtal, Forms, R on Progree ation Locatio es mmary iogress mplete	Progress Completed Install Log /op Installation Succitarling execution	iscoverer 11 g Patcl vioracle/oralnventory/ cessful. no of post install scrip f Patch	to state installation - State instate installatio - State installation - State installation -	D_05-32-02PM.log	-			
			A configuration sc proceed. Leaving t '/opt/oracle/Orac	E oot.sh	confirmation erun as root be n, open anothe as_1/oracleRoo	at install scripts compl n dialog fore installation can r window and run rt.sh' as root.	re Flexib	ility ORACLE nish Cancel apsed Time: 13m 10s				
Computer	V1720-SLES11SP3	4_Portal-Upgrade_pi	Oracle Portal,	Forms,				۵ 🗐	ã FI	We	d Jul 10, 5:45 PN	м 📰

Then, a message will be displayed as oracleRoot.sh file needs to be executed with **root** user.

6). Installation Complete. You can click **Save** to save your configuration information to a file. Then, Click **Finish** to dismiss the screen.

File Edit View	Terminal Tabs	Help								
oracle@V1720-SL	ES11SP3:~/Desk	top	X oracle@∨172	0-SLES11SP3:Oracle_SW/We	bLogic 🛛 💥	oracle@V1720-SLES11SP3:.	0_patch-set/Disk1	× o	vracle@SLES11SP3-32-RCU:1.6.0/rcuHome/b	in 🗙
oracle@V1720-9 Starting Oracl	GLES11SP3:~/O le Universal	racle_SW/Port Installer	al_FR_Discoverer	_111160/Portal_11.1.1.6.	0_patch-s	et/Diskl> ./runInstalle	r -ignoreSysPrerec	qs.		
Checking Temp Checking swap Checking monit Preparing to 1 .1.1.6.0_patch	space: must space: must tor: must be Launch Oracle h-set/Diskl>	be greater th be greater th configured to Universal In Log: /opt/ora	an 80 MB. Actu an 512 MB. Act display at leas staller from /tm cle/oraInventory	al 41150 MB Passed ual 8189 MB Passed t 256 colors. Actual p/OraInstall2013-07-10_ /logs/install2013-07-10_	16777216 15-32-02PM 05-32-02PI Reports and	Passed . Please waitoracle M.log Discoverer 11g Patchset Insta	av1720-SLES11SP3:-	-/Oracle _ X	_SW/Portal_FR_Discoverer_111160/Por	tal_11
				Welcome Specify Installation Locatio Compared Installation Summary Installation Progress Installation Complete Installation Complet	Install Ora Directe Disk S Disk S Applic Por Por Por Save Installat Portal, Forms, successfully	cle Portal, Forms, Reports and D wy Details dleware Home Location: / opt/orac (el Home Location: / opt/oracie/O ace with the Size: 3475 MB uitable: 40596 MB tions coverer lion Summary: Save Reports, and Discoverer patchest	FUSION MIDDLEWARE		Configuration File Message × Successfully created the configuration file at /opt/oracle/Portal_11_11.6.0 _installation_Complete OK	
				Heip		< <u>B</u> ack <u>N</u>	ext > Einish C Elapsed Time:	ancel		≡
📃 Computer	V1720-5	SLES11SP3	[] [4_Portal-Upgrad	e_pi Oracle Portal, Forr	ns,			()	🔋 🚬 🗐 Wed Jul 10, 5	:46 PM 🞇

5. Oracle Portal, Forms, Reports, and Discoverer(11.1.1.6.0) installation is complete. Use **config.sh** with the parameters **-ignoreSysPrereqs** from bin directory in ORACLE_HOME to configure working instances of these installed components.

1). A Welcome message will be displayed, click **Next** to continue.



2). Selecting the domain type as shown below, input the user name, password, Domain Name, and click **Next** to continue.



(Notes:

Use the above screen to create a **new WebLogic domain**, extend an existing domain, or expand a cluster.

Specify the following to create a new WebLogic domain:

• User Name

Specify the user name. The default user name is weblogic.

• User Password

Specify the user password. Valid passwords are 5 to 30 characters long, must begin with an alphabetic character, use only alphanumeric, underscore (_), dollar (\$) or pound (#) characters and include at least one number.

Confirm Password

Enter the same user password again.

Domain Name

Specify the name of the domain you want to create. Domain names may only contain alphanumeric characters, or the underscore (_) or hyphen (-) characters.

If an **existing domain** is detected, you will have the option of extending the existing domain to add the products and services you are installing. To extend an existing domain, select Extend Domain and specify the following:

Host Name

Specify the name of the machine where the domain is located.

Port

Specify the port number on the host where the domain can be accessed.

• User Name

Specify the user name. The default user name is weblogic.

User Password

Specify the user password. Valid passwords are 5 to 30 characters long, must begin with an alphabetic character, use only alphanumeric, underscore (_), dollar (\$) or pound (#) characters and include at least one number.

You can also choose **Expand Cluster** to add managed servers for high availability and replication. Provide the following credentials:

Host Name

Specify the name of the machine where the cluster is located.

Port

Specify the port number on the host where the cluster can be accessed.

• User Name

Specify the user name. The default user name is weblogic.

User Password

Specify the user password. Valid passwords are 5 to 30 characters long, must begin with an alphabetic character, use only alphanumeric, underscore (_), dollar (\$) or pound (#) characters and include at least one number.

)



(Note:

Enter your E-mail address if you want to receive the latest product information and security updates. If you have a My Oracle account and wish to receive updates via this mechanism, select I wish to receive security updates via My Oracle Support, then enter your account password.

If you do not wish to register for Oracle Configuration Manager, leave all the fields on this screen blank. You will be prompted to confirm your selection with the following screen:



Click **Yes** to confirm that you do not want to register for security updates.)
4). Specify the Installation Locations as shown below, click **Next** to continue.

File Edit View Terminal Tabs	oracle@v1/zu-SLCS11SP3looleware/as_1/bin _ U A
oracle@V1720-SLES11SP3:~/Deskto	p 🔀 oracle@V1720-SLES11SP3Oracle_SV/WebLogic 💥 oracle@V1720-SLES11SP3iddleware/as_1/bin 🕱 oracle@SLES11SP3-32-RCU1.6.0/rcuHome/bin 💥
oracle@V1720-SLES11SP3:~/Or Starting Fusion Middleware & ORACLE_HOME set as /opt/oracle/Orac R1/db/bin LD_LIBRARY_PATH set as /opt, Starting Oracle Universal Ir Checking Temp space: must br Checking swap space: must br	<pre>scle/Middleware/as_1/bin> ./config.sh -igmoreSysPrareqs configuration wizard le/oracle/Middleware/as_1 le/Middleware/as_1/bin:/usr/bin:/usr/bin:/usr/X11R6/bin:/usr/games:/usr/lib/mit/bin:/usr/lib/mit/sbin:/opt/oracle/product/11g le/Middleware/as_1/bin:/usr/local/bin:/usr/bin:/usr/X11R6/bin:/usr/games:/usr/lib/mit/bin:/usr/lib/mit/sbin:/opt/oracle/product/11g i/aracle/Middleware/as_1/lib:/opt/oracle/product/11gR1/db/lib:/opt/oracle/product/11gR1/db/ctx/lib staller s greater than 270 MB. Actual 40802 MB Passed greater than 150 MB. Actual 4080 MB Passed</pre>
Checking monitor: must be co Preparing to launch Oracle (nfigured to display at least 256 colors. Actual 16777216 Passed Diversal Installer from /tmp/orainstall2013-0710 05-47-24PM. Please waitoracle@V1720-SLES11SP3:-/Oracle/Middleware/as 1/bin> Log: /opt/oracle/or
aInventory/logs/install2013	07-10_05-47-24PM. log Oracle Portal, Forms, Reports and Discoverer 11g-Step 4 of 13 _ x
	Specify Installation Location
	versions
	Specify Security Updates Oracle Middleware Home // and /oracle Middleware Home // and /oracle Middleware
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	<u> Qracle Home Directory:</u> <u> <u> Pracle Home Directory:</u> <u> Pracle Home D</u></u>
	Configure Ports Weblogic Server Location: /opt/oracle/Oracle/Niddleware/ Browge
	Specify Proxy Details
	Specify Schema Uracle Instance Location.
	Spatic Portiet Schema Orgcle Instance Name: asinst_1 Statistic Applications of the state of the
	Configuration Progress This is the location containing the Weblogic Server.
	Installation Complete
] [capsed rule: an ava
Computer V1720-SL	S11SP3 📄 🔁 Portal-Config_pic) 🖸 Oracle Portal, Forms

(Notes:

The contents of this screen differ depending on how you access this screen. There are three possibilities:

First possibility: Install and Configure on the Select Installation Type Screen

If you selected the Install and Configure option on the Select Installation Type Screen, specify the following installation locations:

Oracle Middleware Home Location

The absolute path to the directory where WebLogic Server was installed.

• Oracle Home Directory

The directory name for your Oracle Home:

- You can specify a directory that already exists; this must be an empty directory inside the Oracle Middleware Home (for example, you have created an empty directory inside the Middleware Home in advance of this installation and should specify this directory here).
- You can specify a pre-existing Oracle Home directory (for example, you are reinstalling the software into an existing Oracle Home that was created from a previous installation that was incomplete).
- You can specify the name of a new directory that will be created for you inside the Middleware Home.

Your Oracle Home directory where your products will be installed. All software binaries will reside in this directory, and no runtime process can write to this directory.

Note: This installation directory will be referred to as ORACLE_HOME throughout the remainder

of this document.

• WebLogic Server Location

The directory name for your WebLogic Server Home. This directory will automatically be created inside the Middleware Home. The default name for this directory is wlserver_10.3.

Oracle Instance Location

The absolute path to the directory where your Oracle Instance will reside. This is where application configuration files reside and where the application process runs from. Runtime components write only to this location.

Oracle Instance Name

• Specify the unique name of your Oracle Instance. The Oracle Instance name may only contain alphanumeric and underscore (_) characters, it must begin with an alphabetic (a-z or A-Z) character, and must be 4 to 30 characters in length.

Second possibility: Install Only - Do Not Configure Option

If you selected the Install Software - Do Not Configure option on the Select Installation Type Screen, you specify the following installation locations:

• Oracle Middleware Home

The absolute path to the directory where WebLogic Server was installed.

Oracle Home Directory

The directory name for your Oracle home:

- You can specify a pre-existing Oracle Home directory (for example, you are reinstalling the software into an existing Oracle Home that was created from a previous installation that was incomplete).
- You can specify the name of a new directory that will be created for you inside the Middleware Home.

Your Oracle Home directory where your products will be installed. All software binaries will reside in this directory, and no runtime process can write to this directory.

Third possibility: Configuration Tool Option

If you are running the Configuration Tool from the ORACLE_HOME/bin (on UNIX operating systems) or ORACLE_HOME\bin (on Windows operating systems) directory, specify the following installation locations:

WebLogic Server Location

The absolute path to the directory where WebLogic Server was installed.

Oracle Instance Location

The absolute path to the directory where your Oracle Instance will reside. This is where application configuration files reside and where the application process runs from. Runtime components write only to this location.

Oracle Instance Name

Specify the unique name of your Oracle Instance. The Oracle Instance name may only containalphanumeric and underscore (_) characters, it must begin with an alphabetic (a-z or A

-Z) character, and must be 4 to 30 characters in length.

)

5). Configuring the components as shown below. Click Next to continue.



This screen shows the products and components that are available for configuration. What appears on this screen depends on what you selected on the **Select Domain Screen**:

- If you selected Create Domain on the **Select Domain Screen**, all components in the Oracle Portal, Forms, Reports, and Discoverer suite of products will appear on this screen.
- If you selected Extend Domain on the **Select Domain Screen**, only those components that do not already exist in the domain will be available on this screen, in order for you to add functionality and services to your existing domain.
- If you selected Expand Cluster on the **Select Domain Screen**, only those components that already exist in the domain will be available on this screen, in order for you to perform your replication for high availability.

Select the component(s) you want to configure. Notice in the bottom pane that there is prerequisite information depending on which component(s) you select. Be sure you read this information carefully before you continue.

Select Clustered if you want to be able to extend your domain or expand the cluster at some later point in time for the selected components. If this is a stand-alone installation on a single machine, then you can de-select this option.

6). Configuration of Port as shown below. Click Next to continue. _ = × oracle@V1720-SLES11SP3:...Oracle_SW/WebLogic 🗶 oracle@V1720-SLES11SP3:...iddleware/as_1/bin oracle@V1720-SLES11SP3:~/Desktop oracle@SLES11SP3-32-RCU:....1.6.0/rcuHome/bin Temp space: must be greater th swap space: must be greater th monitor: must be configured to g to launch Oracle Universal Ir ry/logs/install2013-07-10_05-47 Forms, Reports **Configure Ports** Welcome Create Domain Specify Security Updates Auto Port Configuration Specify Installation Locatio Configure Components Specify Ports using Configuration file Configure Ports Specify Proxy Details Specify Schema Specify Portlet Schema Specify Application OID Installation Summary Configuration Progress • 4 <<u>Back</u> Next > Cancel Help 📃 Computer 🛛 🔽 V1720-SLES11SP3 📄 (5_Portal-Config_pic -...) 🖸 Oracle Portal, Forms,.... 🕼 🥫 🔜 🚎 📑 👘 🔛 Wed Jul 10, 5:49 PM 🧱

Select **Auto Port Configuration** if you want the installer to automatically assign the default ports to the components.

Select **Specify Ports Using Configuration File** if you have already created a port configuration file that specifies the port numbers that you want to use for each component. Enter the full part and filename of this file in the **Filename** field, or click **Browse** to locate an existing file on your system.

A default file called **staticports.ini** is provided in the Disk1/stage/Response directory on the CD-ROM. You can use this file as a template to create your own custom ports file. 7). Specify Proxy Details as shown below. Click Next to continue. oracle@V1720-SLES11SP3....Oracle_SW/WebLogic X oracle@V1720-SLES11SP3....iddleware/as_1/bin oracle@SLES11SP3-32-RCU:....1.6.0/rcuHome/bin oracle@V1720-SLES11SP3:~/Desktop _PATH set as /opt/oracle/Oracle/Middleware/as_1/lib:/opt/oracle/produ racle Universal Installer... ace: must be greater ace: must be greater : must be configured **Specify Proxy Details** Welcome Create Domain Do Not Use Proxy Setting
 Specify Security Updates O Enable Proxy Specify Installation Locatio Configure Components Configure Ports Specify Proxy Details Specify Schema Specify Portlet Schema Specify Application OID Installation Summary Configuration Progress Use this screen to provide the details of your HTTP proxy if you do use one. The server will use this proxy to gain access to any web service that is not covered by the rules in the "Bypass proxy list" • < Back Next > Einish Cancel Help Elansed Ti 📃 Computer 🔄 V1720-SLES11SP3 📄 (5_Portal-Config_pic -...) 🖸 Oracle Portal, Forms,... 🕼 🥫 🔜 🚎 📑 👘 🔛 Wed Jul 10, 5:49 PM 🧱

(Notes:

This screen is only visible if Oracle Reports was selected on the Configure Components Screen.

If your computer is located behind a firewall you may need to route outgoing HTTP connections through a proxy server. If you have a direct connection to the Internet or if you do not wish to configure a proxy server at this time select "**Do Not Use Proxy Settings**" and click **Next**.

If you are configuring a proxy server, you must provide the following information:

HTTP Proxy Host

Enter the host name of your proxy server.

HTTP Proxy Port

Enter the port number of your proxy server.

Bypass proxy for address

Enter addresses for which the proxy server should be bypassed. Use commas (,) to separate multiple entries. Domains may be listed using asterisk (*). For example: *.us.oracle.com,*.in.oracle.com

)



Discoverer, whichever was selected on the Configure Components Screen. In the Connect String field, specify the connection credentials to your database in the following format: **hostname:port:servicename**

If you are configuring Oracle Portal, supply the Portal schema name and password that was used to create the **PORTAL schema** using Repository Creation Utility (RCU):

- Portal Schema
 Specify the name of your Oracle Portal schema. Use the format prefix_PORTAL.
- Portal Schema Password

Specify the password for your Oracle Portal schema.

If you are configuring Oracle Discoverer, supply the Discoverer schema name and password that was used to create the **DISCOVERER schema** using Repository Creation Utility (RCU):

Discoverer Schema

Specify the name of your Oracle Discoverer schema. Use the format prefix_DISCOVERER.

Discoverer Schema Password

Specify the password for your Oracle Discoverer schema.



9). Specify the Portlet Schema as shown below. Click Next to continue.

This screen is only visible if Oracle Portal was selected on the Configure Components Screen, and your database contains 11g Release 1 (11.1.1) schemas. If your database contains schema from 10g Release 2 (10.1.2) or earlier, you will not see this screen.

Supply the Portlet schema name and password that was used to create the PORTLET schema using Repository Creation Utility (RCU):

• Portlet Schema

Specify the name of your Oracle Portlet schema. Use the format prefix_PORTLET.

• Portlet Schema Password

Specify the password for your Oracle Portlet schema

oracle@V1720-SLES11SP3....Oracle_SW/WebLogic X oracle@V1720-SLES11SP3....iddleware/as_1/bin oracle@V1720-SLES11SP3:~/Desktop oracle@SLES11SP3-32-RCU:....1.6.0/rcuHome/bin (_PATH set as /opt/oracle/Oracle/Middleware/as_1/lib:/opt/oracle/product/11gR1/db/lib:/opt/oracle/product/11gR1/db/ctx/lib Dracle Universal Installer... Temp space: must be greater the swap space: must be greater the monitor: must be configured to g to launch Oracle Universal Ir ry/logs/install2013-07-10 05-47 Portal, Forms, Reports and **Specify Application OID** Welcome Create Domain Specify Security Updates Specify Oracle Internet Directory Information Specify Installation Locatio ISV4-OID.site Hostname: Configure Components Port: 636 Configure Ports User Name: cn=or Specify Proxy Details Password: ••••• Specify Schema Configure the LDAP Server in secure mode Specify Portlet Schema Specify Application OID Installation Summary Configuration Progress 3 <<u>Back</u> Next > Einish Cancel Help 📃 Computer 🛛 🔲 V1720-SLES11SP3 📄 🕞 [5_Portal-Config_pic -...) 🖸 Oracle Portal, Forms,... 🕼 🥫 🔜 🖾 🔲 👘 🔛 Wed Jul 10, 5:53 PM 🔛

10). Specify Application OID as shown below. Click Next to continue.

If you selected Oracle Portal on the Configure Components Screen, you must provide credentials to connect to an Internet Directory server that is up and running. Specify the following credentials:

Hostname

Enter the host name of your LDAP server.

• Port

Enter the port number of your LDAP server. If you do not know the port number, you can run the netstat -an command from the command line to see the port numbers currently being used.

User Name

Enter an existing LDAP user name with superuser privileges. The default user name is cn=orcladmin.

Password

Enter the LDAP user password.

If you did not select **Oracle Portal** on the Configure Components Screen, and you want to configure your component to use an existing Internet Directory server, select **Use Application Level Identity Store** and enter the credentials to connect to the server.

Select **Configure the LDAP Server in secure mode** to configure the LDAP server in secure mode. Make sure to specify the secure port number in the Port field if you select this option.



Review the information on this screen, and click **Configure** to begin the configuration. The operations summarized on this page will be performed when you click Install.

If you want to make any changes to the configuration before starting the installation, use the navigation pane and select the topic you want to edit.

If you want to save this configuration to a text file, click **Save**. This file can be used later if you choose to perform the same installation from the command line.

Click Configure to continue.

11). Installation Summary will be displayed.

12). By clicking **Configure**, configuration Process will be displayed as shown below. The configuration process screen shows you the progress of the component configuration.



(Notes:

If there is a problem, a short error message appears in the bottom portion of the screen. Fix the error and click **Retry** to try again.

If you want to ignore the error and warning messages and continue with the installation, click **Continue**. Click **Abort** to stop prerequisite checking for all components.

If you want to quit before the installation is completed, click **Cancel**.

Make sure all of the Configuration Progress are successful. Click Next to continue.

13). Installation Complete. Installation complete summarizes the installation that was just completed. The end of the summary information on this screen contains the various URLs to access the Administration Console as well as your installed products. You should write these URLs down so you can access your products later.

Or, you can click **Save** to save your configuration information to a file. This information includes port numbers, installation directories, disk space usage, URLs, and component names which you may need at a later time.



Click **Ok** to save the information. Then, Click **Finish** to dismiss the screen.

The Oracle Portal, Forms, Reports and Discoverer installation and configuration are completed, a installation configuration file as following:

Type: Oracle Portal, Forms, Reports and Discoverer Installation **Configuration Options** Middleware Home Location: /opt/oracle/Oracle/Middleware Oracle Home Location: /opt/oracle/Oracle/Middleware/as 1 Oracle Instance Location: /opt/oracle/Oracle/Middleware/asinst 1 Oracle Instance: asinst 1 Domain Option: Create Domain Domain Name: ClassicDomain1 Domain Home: /opt/oracle/Oracle/Middleware/user_projects/domains/ClassicDomain1 Domain Host Name: V1720-SLES11SP3.site Domain Port No: 7001 User Name: weblogic1 Automatic Port Detection: true Administrator Console: http://V1720-SLES11SP3.site:7001/console EM Console: http://V1720-SLES11SP3.site:7001/em EMAgent URL: http://V1720-SLES11SP3.site:5155/emd/main Portal URL: http://V1720-SLES11SP3.site:8090/portal/pls/portal Forms URL: http://V1720-SLES11SP3.site:8090/forms/frmservlet Reports URL: http://V1720-SLES11SP3.site:8090/reports/rwservlet Discoverer Viewer URL: http://V1720-SLES11SP3.site:8090/discoverer/viewer Discoverer Plus URL: http://V1720-SLES11SP3.site:8090/discoverer/plus

6. Portal, Forms, Reports, and Discoverer Post-install Sanity tests

1). Check that all the instance processes are up

a. Go to <INSTANCE_HOME>/bin and run the command "./opmnctl status -I" to see the status of the processes.

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File Edit ∨iew Terminal Tabs Help	
oracle@V1720-SLES11SP3:~/Desktop	💥 🚾 (acie@V1720-SLES11SP3evare/asinst_1/bin 🗶 oracle@V1720-SLES11SP3iddleware/as_1/bin 💥 oracle@SLES11SP3-32-RCU16.0/rcuHome/bin 💥
oracle@V1720-SLES11SP3:~/Oracle/M	ddleware/asinst_1/bin> ./opmnctl status .l
Processes in Instance: asinst 1	
ias-component	process-type pid status uid memused uptime ports
emagent asinst l	EMAGENT 13654 Alive 851784239 12760 0:25:05 N/A
RotSvr V1720-SLES11SP3 asinst	ReportsServerComp~ 13503 Alive 851784238 12760 0:26:55 N/A
Discoverer asinst 1	PreferenceServer 13208 Alive 851784237 95192 0:36:36 N/A
Discoverer_asinst_l	ServicesStatus 13207 Alive 851784236 11472 0:36:36 N/A
webcache1	WebCache-admin 13045 Alive 851784235 150708 0:37:00 http://admin.8091
webcache1	WebCache 13044 Alive / 851784234 171800 0:37:00 http_stat:8092,http_invalidation:8093,https_listen:8094,http_lis
ten:8090	
ohsl	0HS 12925 Alive / 851784233 148360 0:37:33 https:8889,https:8889.https:8888
onacle@V1720-SLES11SD2ter(Onacle/M	ddleware/asinst1/bin>1
oractegvi/20-actoria-3/oracte/m	
	*

📃 Computer 🛛 V1720-SLES11SP3 📝 [Portal_11.1.1.6.0_Co...) Wed Jul 10, 6:47 PM 🔛

b. Access the Weblogic Admin server URL http://<hostname>:<domain_port>/console and check that the domain managed server are all up



c. Access the Enterprise Manager (if this was selected and installed) and check that the instance is completely UP





3). Tests for Portal

Portal can be accessed from the following URL,

(http://hostname :< webcache_port>/portal/pls/portal) a page similar to the one below will appear, login with your SSO login details that was supplied during installation.



To verify that the product is working fine, you may perform the following tests after logging into the Portal page.

Action: Create PageGroup/Page

Result: Page group and page should get created without any errors

Action: Add regions/tabs to page Result: Region and tab should appear on the page

Action: Add file/text/image items to page Result: The added items should appear on the page

Action: Change the cache levels and add regions to see invalidations happening *Result:* No failures during the operation

Action: Register one jpdk/wsrp/tools producer and consume portlets on page *Result:* Registration should go thru fine

4). Tests for Forms

Access the Forms URL:(http://hostname:<webcache_port>/forms/frmservlet) a page similar to the one below will be displayed.



(Note: Before proceeding with the sanity tests for Forms, set ORACLE_HOME and ORACLE_INSTANCE environment variable as provided during installation.)

Now, click **Ok** the test will be closed.



5). Tests for Reports

a. Check Reports standalone Server: Type ./opmnctl status -I from the bin folder of ORACLE_INSTANCE. Then Start-restart server.

			oracie@	VI/20-SLESHSP.	s:eware/asin	SC1/DIN	
File Edit ∨iew Terminal Tabs Help							
oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SLES11S	P3:eware/as	in 🗶 ora	cle@V1720-SLES11	1SP3:dleware	/as 🗶 oracl	e@SLES11SP3-32-RCU:1.6.0/rcu 🕱 oracle@V1720-SLES11SP3:eware/asin 🗶
oracle@V1720-SLES11SP3:~/Oracle/M	iddleware/asinst_1/bi	n> ./opmnct	tl status ·	. L			
Processes in Instance: asinst_1							
		+		++			+
1as-component	process-type	pid	status	u1d	memused	uptime	ports
emagent asinst l	EMAGENT	13654	Alive	851784239	12760	1:21:43	N/A
RptSvr_V1720-SLES11SP3_asinst_	ReportsServerComp~	13503		851784238	12760	1:23:33	N/A
Discoverer_asinst_l	PreterenceServer	13208	Alive	851784237	95192	1:33:14	N/A
Discoverer_asinst_l		13207		851784236			N/A
webcache1	WebCache-admin	13045		851784235	150708		http admin:8091
webcache1	WebCache	13044		851784234	180736		http stat:8092,http invalidation:8093,https listen:8094,http lis
ten:8090							
ohsl				851784233	148360		https:8889,https:8890,http:8888
	iddlovaro(acinet 1/bi			ias component	-DotSup V17		2 seinet
opmnctl stopproc: stopping opmn m	anaged processes	the try opinities	ee beopprot	a ras component	c=ipcon_rin	20 00002101	
oracle@V1720-SLES11SP3:~/Oracle/M	iddleware/asinst_1/bi	n> ./opmnc1	tl status -	-1			
Processes in Instance: asinst_1							
ias-component	process-type	pid		uid	memused		ports
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RotŠvr V1720-SLES11SP3 asinst	ReportsServerComp~	N/A	Down	N/A	N/A	N/A	N/A
Discoverer asinst l	PreferenceServer	13208	Alive	851784237	95192	1:33:46	N/A
Discoverer asinst 1	ServicesStatus	13207	Alive	851784236	11472	1:33:46	N/A
webcache1	WebCache-admin	13045	Alive	851784235	150708	1:34:09	http_admin:8091
webcache1	WebCache	13044	Alive	851784234	180736	1:34:09	http_stat:8092.http_invalidation:8093.https_listen:8094.http_lis
ten:8090							,
ohsl				851784233	148360		https:8889,https:8890,http:8888
	iddlowana (acinet 1 /bi)		l stantar	ac iac componen	at=DatSva 1/1	700 8 58118	72 peipet
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oracle@V1720-SLES11SP3:~/Oracle/M	iddleware/asinst_1/bi	n> ./opmnct	tl status ·				,
Processes in Instance: asinst_l							
ias-component	process-type	pid		uid	memused		ports
emanent asingt 1		13654	Alive	851784220	12760	1.22.50	
PotSyr 1/1720 SLES11SD2 seinet	RoporteSonvorComp.	17515	Alive	051704239	12760	0:00:33	
Discoveren asingt 1	- Reportsbervercomp~	12208	ALIVO	051704241	05102	1:24:20	
Discoverer_asinst_1	ServicesStatus	13208	Alive	951794237	11472	1.34.29	
wahcachal	WebCache_admin	13207	Alive	051704230	150700	1.34.29	http://dmin.t9001
webcachel	WebCache-aulium	13045	Alive	051704233	190726	1.04.00	http_stat:9002_http_ipvalidation:9002_https_listop:9004_http_lis
webcacher	webcache	13044	Acrive	001/04234	100/30	1.54.55	<pre>inttp_stat.oos2,inttp_invatidation.oos3,inttps_tisten.oos4,inttp_tist</pre>
Computer	P3 [Portal_11.1.1.6	.0_Co					🕼 👔 🖾 🖬 🔽 🗰 Wed Jul 10, 7:45 PM 🞇

b. Reports can be accessed from the URL, you will get a page similar to the one below

(http://hostname: <webcache_port>/reports/rwservlet)</webcache_port>	
Oracle Reports Services - Serviet - Mozilla Firefox	
<u>E</u> ile <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp	
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👼 Most Visited Υ 📄 SUSE Υ 🏟 Getting Started 🔝 Latest Headlines Υ 📄 Mozilla Firefox Υ	
Reports	? Help
Oracle Reports Services - Servlet Command Help	

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.

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 showeny showiobs showmap showmyjobs showiobid killobid parsequery showauth delauth getjobid getserverinfo killengine 	₽	
Copyright (c) 2000-2011, Oracle. All rights reserved.	Help	

📃 Computer	DB-ISV3]	🕘 Oracle Reports Servi	😰 Portal_11.1.1.6.0_Co) 🛋 🕼 🔽 🕑	Wed Jul 10, 7:47 PM	
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c. Servlet URL (URL's should show appropriate outputs)

Checking http:	// <hostname>:<p< th=""><th>ort>/reports/rwse</th><th>rviet/snowenv</th><th></th><th></th></p<></hostname>	ort>/reports/rwse	rviet/snowenv		
۵		Oracle Reports Service	s - Servlet - Mozilla Firefo×		_ = ×
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emagent	🗶 💭 Oracle	Enterprise Manager (SY 🖇	🖇 📋 Oracle PortalDiscoverer	with 🗶 🗍 Oracle Report	s Services - Servlet 🛛 🕀
< 闭 v1720-sles11	sp3.site:8090/reports/rwservl	et/showenv		☆ ✔ 😂 🚼 ✔ Google	۵ 😭
👼 Most Visited 🖌 📄	SUSE 🖌 🌘 Getting Started	I 🔂 Latest Headlines 🌱 🚦	DMozilla FirefoxƳ		
ORACLE Reports Oracle Reports Services	- Servlet Environment Variables 😵	Oracle Reports Services - Server a	nd Engine Environment Variables		
Reports Servlet En	vironment Variables 11	1.1.6.0			=
Security Mode Secure					
SERVER_NAME SERVER_PORT SCRIPT_NAME SERVER_PROTOCOL	v1720-sles11sp3.site 8090 /rwserviet HTTP/1.1				
GATEWAY_INTERFACE GATEWAY_INTERFACE SERVER_PORT_SECUES REMOTE_ADDR REMOTE_HOST REMOTE_ADDR REMOTE_USER AUTH_TYPE QUENT_LINEO QATH_TRANSLATED CONTENT_LENGTH CONTENT_TYPE HTTP_COOKE HTTP_COOKE AUTHORIZATION USER-AGENT REMOTE_IDENT REFERER	undefined undefined text/html.application/xhtml+x GET V1720-SLES11SP3.site 192.168.1.53 ORCLADMIN undefined showenv undefined undefined undefined DEV_PORTAL=11.1+en-us+us- 0H5-V1720-SLES11SP3.site 8090=557925190438D09617811 undefined Mozilla/S.0 (XT1; Linux x86_64 undefined undefined	ml.application/xml:q=0.9.*/*;q=0.8 *AMERICA+E1273D23A00AC57EE0 :E431470B8F51BF106EEB95C39F1(: rv:17.0) Gecko/20100101 Firefox	40A8C0640175CD+7E9D34FA48FC53 3C43B6DFA547D779FD19042FBC8381 /17.0	5B18F3454AFFF55F7BD375D32A933 E8C3812C12E37E82E9D32F021EEB3/	6D15D435A4772CA7031C2CB91 A31171CEA8B0151FEBF24346C2
Oracle Reports S KeyM	apFile /opt/oracle/Oracle/Middl /configuration/cgicmd.d	nment Variables eware/user_projects/domains/0 at	ClassicDomain1/config/fmwconfig/s	servers/WLS_REPORTS/application	NS/reports_11.1.1.2.0
< ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·	A LITU - Jame James I.a. Korra da Miladal		dkdk		>
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Append "showenv?server=<server name>" to the URL. The test page will be displayed as below:

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ORACLE Reports
Нер
Oracle Reports Services - Servlet Environment Variables Ø Oracle Reports Services - Server and Engine Environment Variables
Reports Servlet Environment Variables 11.1.1.6.0
Security Mode Secure
HTTP Environment Variables 11.1.1.6.0
SERVER_NAME_v1720-sles11sp3.site
SERVER_FOR I 0090
SERVER_PROTOCOL HTTP/1.1
SERVER_SOFTWARE undefined
SERVER PORT SECURE undefined
ACCEPT text/html,application/xhtml+xml,application/xml;q=0.9, [/] ;q=0.8
REQUEST_METHOD GET
REMOTE ADDR 1921681.55
REMOTE_USER ORCLADMIN
AUTH_TYPE undefined
PAIH_INFO showenv
PATH TRANSLATED undefined
CONTENT_LENGTH undefined
CONTENT_TYPE undefined
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To get Reports standalone Server name: Run ./opmnctl status -I from the bin folder of ORACLE_INSTANCE.

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Checking http://<Hostname>:<port>/reports/rwservlet/getserverinfo

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Also append "getserverinfo?server=<server name>" to the URL. The test page will be displayed as below:

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d. Queue (Jobs should be displayed in the window)

Screenshot: Queue command



6). Tests for Discoverer

Discoverer Plus URL: http://Hostname:8090/discoverer/plus Discoverer Viewer URL: http://Hostname:8090/discoverer/viewer

Prerequisites:

1. Export the following environment variables in your system where Portal...Discoverer installed.

export ORACLE_HOME=/opt/oracle/Oracle/Middleware/as_1 export ORACLE_INSTANCE=/opt/oracle/Oracle/Middleware/asinst_1 export TNS_ADMIN=\$ORACLE_INSTANCE/config export NLS_LANG="AMERICAN_AMERICA.UTF8" export JAVA_HOME=\$ORACLE_HOME/jdk export PATH=\$ORACLE_HOME/jdk/bin:\$ORACLE_HOME/bin:\$PATH export LD_LIBRARY_PATH=\$ORACLE_HOME/lib:\$ORACLE_HOME/discoverer/lib

2. Make sure that you were able to thsping (from ORACLE_HOME/bin directory) with the alias name mentioned in the thsnames.ora file (thsnames.ora file in the location ORACLE_INSTANCE/config). Then run the following command to create test user :

#java -jar \$ORACLE_HOME/discoverer/lib/eulbuilder.jar -create_eul -connect system/ORACLEcom111@portal -user EULTEST3 -password EULTEST3 -temporary_tablespace TEMP -default_tablespace USERS -log test.log



a. Tests for Discoverer Plus

Access to Discoverer Plus URL: <u>http://Hostname:8090/discoverer/plus</u> and click 'Create Connection' button to create connection:



Create Connection Use this page to enter the details of the connection that you wish to create. Choose a name that is easy to remember, followed by an optional description and locale. Enter the account details for this connection before proceeding.	Cancel Apply Apply and Connect
Connection Details	
* Indicates required field.	
Connect To Oracle BI Discoverer	
* Name Discoverer test with SLES 11 SP3	
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lin.	
Locale Locale retrieved from browser •	
Account Details	
* User Name EULIESTIUS	
* Password	
* Database DB-ISV3.site:1521/orcl	
IP You will be prompted to select an End User Layer and/or an Applications Responsibility if more than one exists.	
	Cance! Apply Apply and Connect
Logout Help	
Copyright (c)2000, 2010 Oracle Corporation. All rights reserved. About Oracle BL Discovere Plus Version 11.1.1.6.0	
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📃 Computer 🛛 🔲 DB-ISV3 🛛 🔮 Create Connection 🛛 😰 [Portal_11.1.1.6.0_C] 🖆 🕼 🖳 🥹	Wed Jul 10, 8:07 PM

(Note: For "Account Details", give the above username & password (mentioned in Prerequisites step 2)) **Screenshot:** Creation Account Details

Connect to Discoverer - Mozilla Firefox			_ 0	×
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ORACLE Discoverer Plus Business Intelligence			Logout	t <u>Help</u>
Connect to Oracle BI Discoverer				
To connect to Oracle BI Discoverer, click on a connection name or enter your connection details directly.				
		Create Connection		
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User Name EULTEST103 Connection Type Private Database DB-ISV3 site 1521/ord End User Laver EULTEST103				
Locale English (United States)				
Connect Directly		🔿 Return to Top		
Enter your connection details below to connect directly to Oracle BI Discoverer.				
* Indicates required field.				
* User Name				
* Password				
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Click connection button "Discoverer Test with SLES 11 SP3" to sta	rt conne	ecting.	_ c	• ×
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S Connect Directly				
Connect to Oracle BI Discoverer To connect to Oracle BI Discoverer, click on a connection name or enter your connection details directly.				
		Create Connection		
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Connect To Oracle BI Discoverer Connection Key us_a101 User Name EULTEST103 Connection Type Private				
Database DB-ISV3 site:1521/orcl End User Layer EULTESTI03 Locale English (United States) Find User Layer Find User Layer				
Connect Directly Enter your connection details below to connect directly to Oracle BLDiscoverer		🔕 Return to Top		
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Password				
Database End User Laver N				
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Copyright (c)2000, 2010 Oracle Corporation: All rights reserved.				
About vracie or uscoveler Mus Version 11.1.1.6.0 Oracle Technology Network				

(Note: You will be prompted to re-enter the connection password if the browser does not save the password. In that case, type the password again, click **Go**.)

Oracle BI Discoverer - Mozilla Firefox _ 🗆 🗙 v1720-sles11sp3.site:8090/discoverer/app/plus?event=getPlusPlugin&remoteSessionID=1 <u>F</u>ile <u>E</u>dit <u>V</u>iew F<u>o</u>rmat <u>T</u>ools <u>H</u>elp 🌏 🥎 🧶 1111 A1 71 THE X 2 10 TO Step 1 of 5: Create/Open Workboo Available Items Create/Open Workbook \$ ₹ ₹ Items Con Connected to the Database: DB-ISV3.SITE:1521/ORCL (EUL:EULTEST103) L<u>i</u>st: What do you want to do? Open an existing workbook Recently <u>U</u>sed: There are no recently used workbooks. B<u>r</u>owse... \square Create a new workbook Select the objects to display in the worksheet Example: 🗹 <u>T</u>itle ✓ Page Items 🔵 Cro<u>s</u>stab 💿 Tab<u>l</u>e 🗹 <u>G</u>raph Pla<u>c</u>ement: Graph below Table -☑ T<u>e</u>xt Area Selected Items **₹ / 6** <u>H</u>elp <<u>Back</u> <u>N</u>ext > <u>E</u>inish Cancel 📃 Computer 🛛 🔄 [DB-ISV3] 📝 [Portal_1...) 🕲 Connect ...) 🕲 Oracle B... 🙆 Workboo... 🖆 🕼 🔤 📺 🚺 Wed Jul 10, 8:47 PM 🔛

Successful connected will be displayed the following page. Click Finish to continue.

Creating workbook to test.

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b. Tests for Discoverer Viewer

Access to Discoverer Viewer URL: <u>http://hostname:8090/discoverer/viewer</u>, the page as shown below. Click connection string **"Discoverer Test on SLES 11 SP3"** to continue.

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Oracle FMW 11gR1 on SLES 11 SP3 Installation guide

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c. Disco Portlet Provider link should be accessible

Access the URL http://hostname:<webcache port>/discoverer/portletprovider, should get a message as below:

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WebCenter Installation

1. Prerequisites

Installation of WebCerter requires:

- 1). Oracle Database 11gR2 installed on a SLES 11 SP3 64-bit OS
- 2). RCU (with WebCenter schema) created from a SLES 11 SP3 32-bit OS

Screenshot: RCU with WebCenter schema

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3). JDK and WebLogic installed on a SLES11 SP3 64-bit OS where WebCerter will be installed.

2. Download Oracle WebCenter Suite from URL: (<u>http://www.oracle.com/technetwork/middleware/downloads/fusion-downloads-1714164.html</u>)

3. Unzip the WebCenter .zip file and go to /WebCenter_Shiphome/Disk1. Launch the WebCenter installer with flags "-ignoreSysPrereqs" and "-jreLoc /JAVA_HOME/jre" .

Install Flow:

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oracle@V1720-SLES11SP3:~/Oracle_SW/Web Stating Oracle_Universal_Installer	Center/Disk1> ./runInstaller -ignoreSysPr	ereqs -jreLoc /opt/oracle/Oracl	.e_SW/Java/jdk1.6.0_43	/	<u> </u>
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	Specify Inventory direc	tory			
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1) Specify Inventory Directory

This will be ask for the first installation of **Oracle** product on **Unix** system. For every further installation of Oracle Product a subdirectory will be created under Inventory directory by oracle product installation wizard.

This inventory directory is used by the installer to keep track of all Oracle products installed on the computer.

In the Operating System Group name field, select the group whose members you want to grant access to the inventory directory; all members of this group will be able to install products on this machine. A message will be prompted to execute the script "**createCentralInventory.sh**" located in /opt/oracle/oralnventory.

Open a seperate terminal with **root** privileges and execute the above script.

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				<u>\$</u>	Oracle Fusion Middlew	are 11g WebCenter Port	al Installation	×		
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				You are starting you installer files. This i up subdirectories fo Enter the full path o You can specify an	ur first installation on this hos s called the "inventory director or each product to contain inv of the inventory directory. Operating System group that P	t. As part of this install, you r y". Within the inventory direc entory data and will consume has write permissions to the a	need to specify a diri ctory, the installer au e typically 150 Kiloby above directory	ectory for itomatically sets rtes per product.		
1	<u>&</u>	Inventory Location Confi	mation Dialog X							
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The execution of the script "createCentralInventory" does following changes:

- 1. Setting the inventory to /opt/oracle/oralnventory
- 2. Setting the groupname to oinstall
- 3. Creating the Oracle inventory pointer file
- 4. Changing permission of /opt/oracle/oralnventory to 770
- 5. Changing groupname of /opt/oracle/oralnventory to oinstall





2). Welcome Screen. A Welcome Screen will be displayed, click Next.

3). Install Software Updates. Selected "Skip Software Updates" then click Next to continue. oracle@V1720-SLES11SP3:...SW/WebCent

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oracle@V1720-SLES11SP3:~/Oracle_SW/W Starting Oracle Universal Installer.	WebCenter/Diskl> ./runInstaller 	-ignoreSysPrereqs -j	reLoc /opt/oracle/Oracle_SW/Java/jdk1.6.0_	43/	~
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4). Specify Installstion Location as shown below, click Next to continue.

In the Oracle Middleware Home field, specify the absolute path to your existing Oracle Middleware Home directory. If you do not know the full path to your Middleware Home, you can click Browse to select an existing directory in your system.

In the Oracle Home Directory field, specify the directory inside the Oracle Middleware Home where you want to install your products.
5). Application Server. WLS installat	ion should be o	detected.		
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oracle@V1720-SLES11SP3:~/Oracle_SW/WebCenter/Disk1> ./runInst Starting Oracle Universal Installer	aller -ignoreSysPrereqs -j	reLoc /opt/oracle/Oracle_SW/Java/jdk1.6.0_4	13/	
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6). Installation Summary will be displayed as below. If you want to save this configuration to a text file, click **Save**. This file can be used for **Silent Installation**(optional). Review the information on this screen, and click **Install** to begin the installation.

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oracle@V1720-SLES1ISP3:~/Oracle_SW/WebC Starting Oracle Universal Installer Checking Imp space: must be greater th Checking swap space: must be greater th Checking monitor: must be configured to Preparing to launch Oracle Universal In Inventory/logs/install2013-08-02_06-07-	enter/Diskl> ./runInstaller - Actual 2001 MHz Passed an 150 MB. Actual 21229 MB display at least 256 colors. staller from /tmp/OraInstall2 122M.log	ignoreSysPrereqs -jreLoc /opt/oracle/Oracle_SW/Java/jdk1.6.0_4 Passed Passed Actual 16777216 Passed 013-08-02_06-07-12PM. Please waitoracle@V1720-SLES11SP3:~/	3/ ▲
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Computer V1720-SLES11SP3	SLES11SP3-32-RCU] Ora	cle Fusion Middle	🔋 🕼 🛄 🔚 🚺 🖬 Fri Aug 2, 6:09 PM 😭

7). Installation Progress. This screen shows you the progress of the installation. (**Note:** If you want to quit before the installation is completed, click **Cancel**.)



8). Installation Complete. This screen summarizes the installation that was just completed. If you want to save this summary information to a text file for future reference, click **Save**. Then click **OK** on **Configuration File Message** popup and then click **Finish** to dismiss the screen.

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4. Oracle WebCenter Configuration

1). Launch Configuration wizard using "config.sh" located in **Oracle_Middleware_Home/Oracle_WC1**/ common/bin

A Welcome Screen will be displayed, here select the following details. Click Next to continue.

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			Fusion Middleware	Configuration Wizard	-	×		
		Welcome		0	RACLE			
			⊙ Create a new WebLogic domain					
			Create a WebLogic domain in your projects dire	:tory.				
			⊖Extend an existing WebLogic domain					
			Use this option to add new components to an ex	isting domain and modify configuration settings.				
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Select Create a new WebLogic domain to create a new WebLogic domain in your projects(user_projects) directory.

Select Extend an existing WebLogic domain if you want to add applications and services, or to override existing database access (JDBC) and messaging (JMS) settings.



2). Select Domain Source as shown below. Click **Next** to continue.

Here select **Generate a domain configured automatically to support the following products** and check the products that you need to be supported.

Select **Base this domain on an existing template** to create your domain based on an existing domain template. Click Browse to navigate your directories to find an existing template.

3). Domain Name and Location as shown below.

Specify the following information for the domain that you are creating:

• Domain name

The name of the domain you want to create. The default name is base_domain.

Domain Location

The absolute path to the directory where this domain should be created. The default location is MW_HOME/user_projects/domains

Application Location

The absolute path to the directory where applications created in this domain should reside. The default location is MW_HOME/user_projects/applications

Click Next to continue

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4). Configure Administrator Username and Password

Type the following details.

• User name

Specify the administrator name. The default name is weblogic.

User password

Specify the password for the administrator. The password must be at least eight characters long and contain at least one number.

• Confirm user password

Re-enter the administrator password.

Description

Enter a description for the user. This field is optional.

Click Next to continue	Click	Next	to	continue
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5). Configure Server Start Mode and JDK

In the WebLogic Domain Startup Mode section, select one of the following startup modes:

• Development Mode

Sun JDK is recommended for this mode.

Production Mode

WebLogic JRockit JDK is recommended for this mode.

In the JDK Selection section, select a Sun JDK from the list of Available JDKs, or select Other JDK and click Browse to find another JDK on your system.

Click Next to continue.

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oracle@V1720-SLES11SP3:~/Oracle/Middlew]	are/Oracle_WCl/common/bin> ./config.sh		
	Fusion Mid	dleware Configuration Wizard	_ ×
	Configure Server Start Mode and JDK	ORAC	ILE'
	Before putting your domain into production, make sure 'Securing a Production Environment' in the WebLogic Ser	that the production environment is secure. For more information, see the rver documentation.	topic
	WebLogic Domain Startup Mode	JDK Selection	
	Development Mode Utilize bootsproperties for username and password and poll for applications to deploy. Sun JDK recommended for better startup performance during iterative development.	● Available JDKs Sun SDK 1.6.0_43 @ /opt/oracle/Oracle_SW/Java/JdKJ	
	Production Mode Require the entry of a username and password and do not poll for applications to deploy. WebLogic (Bockit (DK recommended for better runtime performance and management.	C Other JDK Location:	c
	Exit Help	Previous	Next
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6). Configure JDBC Components Schema

Provide the database server Vendor, Host, Service Name, Port and Schema credentials that were created by RCU utility. The domain configuration wizard will create the JDBC datasource files to the \$DOMAIN_HOME/config/jdbc according to the information provided here.

Select all the checkboxes to configure all the common elements for all the component schemas together or one at a time.)

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	Configure JDBC. Component Schema										
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X



Verify that the connections to your data sources are successful. Click Next to continue.

8). Select Optional Configuration as shown below. Click Next to continue.





9). Configuration Summary as shown below.

Verify the information on this screen. In the Summary View field, select a category from the drop-down list to view information about that category:

• Deployment

Shows the deployments that will be configured in each cluster and server.

Application

Shows the applications that will be configured in each cluster and server.

Service

Shows the services that will be configured in each cluster and server.

• Cluster

Shows the clusters that will be configured in this domain and the servers that will be configured in each cluster.

Machine

Shows the machines that will be configured in this domain and the servers that will be configured in each machine.

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Domain creation progress is shown in this screen. When it is finished, click Done to dismiss the window.

5. WebCenter Post Install Sanity Tests

1). Check for all the install logs available at oralnventory locations pointed by oralnst.loc inside your oracle home.

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2). Start the administration server for WebCenter domain from \$DOMAIN_HOME/bin location by executing the startWebLogic.sh script. Check the console for a string Server started in RUNNING mode.



The AdminServer logs locate /opt/oracle/Oracle/

Middleware/user_projects/domains/your_domain/servers/AdminServer/logs/

3). Once the administration server is started, then start the WebCenter, Portlet, Utilities and Collaboration server from \$DOMAIN_HOME/bin location by executing the following commands:

WebCenter : startManagedWebLogic.sh WC_Spaces Portlet : startManagedWebLogic.sh WC_Portlet Utilities: startManagedWebLogic.sh WC_Utilities Collaboration: startManagedWebLogic.sh WC_Collaboration

(Note: Just for previous WebCenter version – Like 11.1.1.2.0: Once you get the error<BEA-090783> during start the above servers, please add a username(WLS_USER=) and password(WLS_PW=) in the start script(startManagedWebLogic.sh) and restart your WLS-VE server.)

Screenshot: Given the Username and Password in startManagedWebLogic.sh



Start WebCenter Server: ./startManagedWebLogic.sh WC_Spaces Enter the Username and Password to continue.



Verify the console that WLS_Spaces is in RUNNING MODE



The WebCenter Spaces server logs locate \$DOMAIN_HOME/servers/WLS_Spaces/logs/WLS_Spaces.log

Start Portlet Server: ./startManagedWebLogic.sh WC_Portlet

Enter the Username and Password to continue.

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INFO: Found persistence provider "org.ec. «Aug 2, 2013 6:59:01 PM (GMT+08:00> «Warn: meworkPUnit has transactionType RESOURCE /opt/oracle/Oracle/Middleware/user_project r	Lipse.persistence.jpa.PersistenceProvider".op ing> <oracle.webcenter.framework.service> <bea _LOCAL and therefore jtaDataSource will be ign cts/domains/base_domain_WebCenter1/servers/WC_</bea </oracle.webcenter.framework.service>	enJPA will not be used. -000000> <2013-08-02 18:59:01,249ServerSes ored> Portlet/tmp/_WL_user/oracle.webcenter.framew	sion(870212918)PersistenceUnitInfo ServiceFra ork.core/9fluan/APP-INF/lib/serviceframework.ja
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Computer	V1720-SLES11SP3		🗸 🕼 🗖 🚔 🛐 👘 Fri Aug 2, 6:59 PM 🕅

Check the Portlet server logs locate: \$DOMAIN_HOME/servers/WLS_Portlet/logs/WLS_Portlet.log

Start WC_Utilities Server: ./startManagedWebLogic.sh WC_Utilities

Enter the Username and Password to continue.



Check the Utilities server logs, locate \$DOMAIN_HOME/servers/WLS_Services/logs/WC_Utilities

Start WC_Collaboration: ./startManagedWebLogic.sh WC_Collaboration

Enter the Username and Password to continue.



Check the Discussions server logs locate \$DOMAIN_HOME/servers/WLS_Services/logs/WLS_Collaboration.log 4). Once you have started the servers and verified from the logs that there is no errors check the following URLs, if they get open without any errors.

a. Admin Server Console

WebCenter server administration server should be available in (http://host:admin_server_port/console). The default admin server port is **7001**. Login using the user credentials you have provided during the installation.

Login page



Home Page

e	Home Page - base_o	domain_WebCenter1 · WLS Console · Mozilla Firefox					
<u>F</u> ile <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks	Tools Help						
Home Page - base_domain_WebCe	÷						
< 🛞 v1720-sles11sp3.site:7001/const	ole/console.portal?_nfpb=true&_pageLabel=HomePage1		☆ ✔ 🕄 🚷 Google	۵ 🏠			
🗟 Most Visited 🗸 📄 SUSE 🖌 🌩 Gettin	ng Started 🔊 Latest Headlines 🗸 📄 Mozilla Firefox 🗸						
	Administration Console			<u> </u>			
Change Center	🔒 Home Log Out Preferences 📐 Record Help	Q	Welcome, weblogic1 Connected to: b	ase_domain_WebCenter1			
View changes and restarts	Home						
Configuration editing is enabled. Future	Home Page						
changes will automatically be activated as you modify, add or delete items in this domain.	- Information and Resources						
Domain Structure	Helpful Tools	General Information					
base_domain_WebCenter1	 Configure applications 	 Common Administration Task Descriptions 					
E-Environment	 Configure GridLink for RAC Data Source 	 Read the documentation 					
Deployments	 Recent Task Status 	 Ask a question on My Oracle Support 					
Security Realms	 Set your console preferences 	 Oracle Guardian Overview 					
Interoperability	Oracle Enterprise Manager	le la					
Erbiagnosius	- Domain Configurations						
	Domain	Services	Interoperability				
	Domain	Moceaging	WIC Somer	=			
	- Domain	 JMS Servers 	Jolt Connection Pools				
	Environment	 Store-and-Forward Agents 					
	Servers	 JMS Modules 	Diagnostics				
How do L	Clusters	 Path Services 	Log Files				
 Search the configuration 	Virtual Hosts	 Bridges 	Diagnostic Modules				
Use the Change Center	Migratable Targets	Data Sources	 Diagnostic Images 				
Record WLST Scripts	Coherence Servers	Persistent Stores	Request Performance				
Change Console preferences	Coherence Clusters	 XML Registries 	Archives				
Manage Console extensions	Machines	 XML Entity Caches 	Context				
Monitor servers	Work Managers	Foreign JNDI Providers	SNMP				
Durations Officiality	 Startup And Shutdown Classes 	Work Contexts					
System Status		Journa Mail Sections	Charts and Graphs				
Health of Running Servers	Your Deployed Resources	FibT3	 Monitoring Dashboard ^{ID} 				
Failed (0)	Deployments	•					
Critical (0)							
Overloaded (0)	Your Application's Security Settings						
Warning (O)	Security Realms						
OK (5)							
Computer V1720-SLES1	ISP3] 🛛 🛛 [V1720-SLES11SP3] 🛛 🕙 Home Page	- base_d	i () 💆 🚔 🕑	📕 Fri Aug 2, 7:24 PM 🔛			

On successful authentication you are taken to Admin console home page. Make sure that in the "**System Status**" the servers are running without any warning message.

y	Summary of S	ervers - base_domain_vvebu	enteri - WLS Console	· Mozilla Firetox			
ile <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks	Tools Help						
Summary of Servers - base_domain	4						
 v1720-sles11 sp3.site:7001/con 	sole/console.portal?_nfpb=true&_pageLabel=Core	ServerServerTablePage			☆✔ 🕄 🚷 Google		R 9
🖥 Most Visited 🌱 📄 SUSE 🌱 🌳 Gett	ting Started 🔊 Latest Headlines 🗸 🛛 🛅 Mozilla	a Firefox 🌱					
	[®] Administration Console						Õ
Change Center	🔒 Home Log Out Preferences 🔝 Record Help	٩			Welcome, weblo	gic1 Connected to: base_domain_W	/ebCenter
/iew changes and restarts	Home >Summary of Servers						
Configuration editing is enabled. Future	Summary of Servers						
nodify, add or delete items in this domain.	Configuration Control						
xxe_dcmail_WebCenter1 =-Deptyments =-Deptyments =-Seruces =-Secuty Realms =-Interoperatility E-Diagnostics	This page summarizes each server that has been	configured in the current WebLogic S	rver domain.				
	New Clone Delete	\$				Showing Tts 5 of 5 Previous	Next
/		Cluster	Machine	State	Health	Listen Port	
How do L	AdminServer(admin)			RUNNING	≪ок	7001	$\rightarrow \mid$
Create Managed Servers	WC_Collaboration			RUNNING	≪ OK	8890	
Clone Servers	WC_Poner			BUNNING	≪ OK	8888	$ \rightarrow $
Delete Managed Servers	WC_Utilities			RUNNING	✓ ок	8891	
 Delete the Administration Server Start and stop servers 	New Slope Delete					Showing 1 to 5 of 5 Previous	Next
3ystem Status 🖃							
Health of Running Servers							
Failed (0)							
Overloaded (0)							
Warning (0)							
OK (5)]						
Computer	511SP3] 🔲 [V1720-SLES11SP3] 🕲 s	Summary of Servers			i 🔒 🕼 💌 🚔 📢	Fri Aug 2,	7:25 PM

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b. Oracle Enterprise Manager

EM console page should be available in (http://host:admin_server_port/em). The default admin server port is **7001**. Login using the admin server credentials



c. WebCenter Spaces Checked for WebCenter Domain Server WLS_Spaces. URL : <u>http://hostname:port/webcenter/spaces</u> (The default server port is 8888.)



Access to WebCenter Spaces Login Page <u>http://hostname:8888/webcenter/spaces</u> (Login to spaces page using the admin server username and password)



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d. Checked for WebCenter WLS_Portlet. (The default server port is 8889.)

EM View				0					
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		WC_Portlet () WebLogic Server +				Log Page	ged in as weblogic1 Refreshed Aug 2, 20	Host V1720-SLE	S11SP3.site IT+08:00 💥
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WebCenter Portal (11.1.1) (WC_Spaces)	N	lame			Status	Active Sessions	Hequest Processing Time (ms) bean Accesses) mir	(per nute)
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Transferring data from v1720-sles11 sp3.site									

PortalTools URL : http://Hostname:port/portalTools

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🔹 🔞 v1720-sles11sp3.site 8889/portalTools/	۵ 🏠
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Oracle Application Server Porta	Home
Portal Tools	
Welcome	
If you're seeing this page via a Web browser, you have successfully set up the Portal Tools application.	
Available Producers	
me rotat tools application comains the toolways pre-conjugue producers.	
res chapanie Trouves.	
same Producer Provides same ended splitting with OmniPorter to demonstration purposes only Developers should not use them to create real-use porter instances	
@ TIP Click on one of the above links to display the producer's test page and configure the producer.	
Version Information	
Version: 11.1.1.4.0 October 19 2011	
Home	

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wsrp-tools URL : http://Hostname:port/wsrp-tools

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<u>File Edit View His</u> tory <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp			
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ORACLE' WebCenter Portal : Portlets			
WSRP Producer Test Page			
Your WSRP Producer Contains the Following Portlets:			
Portlet Name (Minimum WSRP Version)			
Parameter Display Portlet (2.0) Parameter Form Portlet (2.0)			
Container Configuration			
Persistent Store Type: Database Value obtained from environment entry java:complenv/oracle/portal/wsrpiserver/persistentStore			
Data Source Name: java:complenvijdbc/portletPrefs Using default value. To change it, specify the following environment entry java:complenvioracle/pc	rtal/wsrp/server/dataSourceName		
Use Java Object Cache: true			
Value obtained from environment entry java:complenv/oracle/portal/wsrp/server/enableJavaObjec	1Cache		
Container Version			
Implementation version: 11.1.1.7.0 , Label: WORKPLACE_11.1.1.7.0_GENERIC_130301.0422			
WSDL URLs			
WSRP v1 WSDL WSRP v2 WSDL			
SOAP Monitor	\$		
SOAP Monitor			

🗏 Computer 🛛 😰 [V1720-SLES11SP3] 🖉 [V1720-SLES11SP3] 🕲 WSRP Test Page - M...

(richtextportlet URL: http://Hostname:port/richtextportlet)

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ORACLE WebCenter Portal : Portlets	
WSRP Producer Test Page	
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Container Configuration	
Persistent Store Type: Database	
Value obtained from environment entry java.compienviorace/portal/wsrpiserver/persistentStore	
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SOAP Monitor	

e. Web Service WC_Utilities

EM viewing

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Image: Starm_base_domain_WebCenter1 Image: V main_webCenter1 Image: V main_webCenter1	<pre> WC_Utilities WebLogic Server </pre>			Logged in as weblog Page Refreshed Aug 2.	ic1 Host V1720-SLES11SP3.site 2013 7:59:59 PM GMT+08:00 🎇
▷ Internal Applications ¹	✓ Summary Ceneral Up Since Aug 2, 2013 7:03:07 PM State Running Heath OK CPU Usage (%) 0.50 Heap Usage (MB) 342:07 Java Version 1.6.0_43	To configure and manage this WebLogic Server, use the Oracle WebLogic Server Admistration Console. Work Manager Requests (per 15283 minute) Pending Requests 2	Response and Load 10 0.8 0.4 0.2 0.0		
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	Collector Server Name	localhost		
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Access to Community Forums Login URL: http://hostname:8890/owc_discussions

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Welcome Page will be displayed as shown below.

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WebTier Installation

1. Prerequisites

Installation of WebTier requires:

- 1). Oracle Database 11gR2 installed on a SLES 11 SP3 64-bit OS
- 2). JDK and WebLogic installed on a SLES11 SP3 64-bit OS where WebTier will be installed.
- 3). SOA Installed on a SLES11 SP3 64-bit OS where WebTier will be installed.

SOA installation

1. Now login as a non-admin user download the Oracle SOA Suite from URL: (http://www.oracle.com/technetwork/middleware/downloads/fusion-downloads-1714164.html)

2. Unzip the SOA.zip file and go to Disk1/. Installed using installer option "-ignoreSysPrereqs" into the default location.

Oracle Middleware Home set to: /opt/oracle/Oracle/Middleware Oracle home Directory set to: /opt/oracle/Oracle/Middleware/Oracle SOA1/

Install Flow:

1) Specify Inventory directory will be prompted, specify the Inventory Directory location and Operating System Group name and click **Ok**.

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	S Oracle Fusion Min	ddleware 11g SOA Suite Installation	×
	Specify Inventory director	ry ORACLE FUSION MIDDLEWARE	11 ^g
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	Enter the full path of the inventory directory. You can specify an Operating System group the	at has write permissions to the above directory	
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2) Inventory Location Confirmation Dialog will be displayed. Executing the script by root then click **Ok**.



3) Welcome screen will be displayed, click Next.



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5) Installation Summary will be displayed. Save the 'Response file' and click Install.

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6) Installation Progress as shown below.

7) Installation Completed. Save the Details(optional) and click Finish to dismiss the window.



SOA Configuration

1. To create a test domain by run:

/opt/oracle/Oracle/Middleware/Oracle_SOA1/common/bin/config.sh

1) Welcome screen will be displayed as below. Select 'Create a new WebLogic domain', click Next.

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4) Configure Administrator User Name and Password as shown below. Click **Next** to continue.

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5) Configure Server Start Mode and JDK as shown below. Click **Next** to continue.

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	Configure Server Start Mode and JDK	CRAC	
	Securing a Production Environment' in the WebLogic Se	rver documentation.	, copie
	WebLogic Domain Startup Mode O Development Mode Utilize boot properties for username and password and poil for applications to deploy. Sun JDix recommended for better startup performance during iterative development. O Production Mode Require the entry of a username and password and do not poll for applications to deploy. WebLogic Rockit JDix recommended for better runtime performance and management.	Jok Selection	E.
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6) Select Optional Configuration as shown below. Click **Next** to continue.

7) Configuration Summary as shown below, vliew the summary and click Create.

I File Edit View Terminal Tabs Help	oracle@V1720-S	SLES11SP3:le_SOA1/common/bin	_ ¤ X
oracle@V1720-SLES11SP3:~/Desktop	oracle@V1720-SLES11SP3:~/Oracle_SW/SOA	x oracle@V1720-SLES11SP3W/Java/jdk1.6.0_43 x oracle@V1720-SLES11SP3I	e_SOA1/common/bin 🗙
oracle@VI720-SLES11SP3:-/Oracle/Mic config.sh pack.ch setHomBDirs.c oracle@VI720-SLES11SP3:-/Oracle/Mic	dlewars/Oracle_SOA1/common/bin> ls md setOM_CSWlstErv.sh setOM_CSWaadminErv.s h setOM_CSWlstErv.sh setOW_CSWaadminErv.s dlewars/Oracle_SOA1/common/bin> ./config.sh	addeware Configuration Wizard _ X	sadmin.cmd sadmin.sh
	Domain Summary Summary View Deployment Dase_domain_soal (/opt/oracle/Oracle/Middle Server AdminSever Service Social JOC-Shutdoon JOC-Shutdoon JPS Starup Class ObL-Starup ObL-Starup Class ObL-Starup Class OC-Starup DMS-Starup Class OC-Starup DMS-Starup Class OC-Starup Egit Help	Click on an item in the Domain Summary pane on the left to inspect its attributes in the Details pane below. You can make limited adjustments by clicking Previous to return to a prior panel. If everything is salisfactory, click Create. Details Attribute Name Patic WebLogic Server Domain Description Create a basic WebLogic Server Domain Description Create a basic WebLogic Server Domain Description Create a basic WebLogic Server Domain Location / Oracle Corporation Location / poly/oracle //oracle Middleware/wiserver_10.3/common/tem Name Oracle Enterprise Manager Description Enterprise Manager Location / poly/oracle //oracle Middleware/oracle_common/common/te Name emas Template Description Tense Logit Template Author Oracle Corporation Location / opt/oracle //oracle Middleware/oracle_common/common/te Name Oracle WebCenter EM v	*
Computer V1720-SLES11SP3	Fusion Middleware C 🥘 [Configuration Wiza	rd]	Fri Jul 19, 3:27 PM 🔛

8) Creating Domain Progress will be displayed, when the progress completed click **Done** to dismiss the window.



2. Download the Oracle WebTier Utilities from URL: (http://www.oracle.com/technology/software/products/middleware/htdocs/fmw_11_download.html)

3. Unzip WebTier.zip file. From /WebTier_Shiphome/Disk1 launch the WebTier installer with flag "-ignoreSysPrereqs".

Installed components: Oracle Http Server (OHS) and Webcache.

Install Flow:

1). Welcome Screen will be d	lisplayed, clic	k Next to continue.	
	orac	le@V1720-SLES11SP3:5_11.1.1.6.0/Disk1	_ = ×
File Edit View Terminal Tabs Help			
oracle@V1720-SLES11SP3:~/Desktop 🕺 oracle@V1720-SLE	ES11SP3:h_Set_5_1 🗶 🛛	oracle@V1720-SLES11SP3:W/Java/jdk 💥 oracle@V1720-SLES11SP3:Ie_SOA1/c	oracle@V1720-SLES11SP3:5_11.1.1.6 X
oracle@V1720-SLES11SP3:~/Oracle_SW/WebTier/Patch_S Starting Oracle Universal Installer	et_5_11.1.1.6.0/Disk1>	./runInstaller -ignoreSysPrereqs	<u>^</u>
Checking Temp space: must be greater than 400 MB. Checking swap space: must be greater than 500 MB. Checking monitor: must be configured to display at Preparing to launch Oracle Universal Installer fro Log: /opt/oracle/orainventory/logs/install2013-07	Actual 27453 MB P. Actual 8189 MB Pa: least 256 colors. m /tmp/OraInstall2013-1 -19_03-37-24PM.log	assed ssed Actual 16777216 Passed 07-19_03-37-24PM. Please waitoracle@V1720-SLES11SP3:~/Oracle_SW/ 07-19_03-37-24PM. Please waitoracle@V1720-SLES11SP3:~/Oracle_SW/	/ebTier/Patch_Set_5_11.1.1.6.0/Disk1>
	Oracle Fusion Mid	dleware 11g Web Tier Utilities Installation - Step 1 of 13 _ ×	
	Welcome		
	🧼 Welcome		
	Install Software Updates Install and Configure Installation Location Security Updates Specify WebLogic Domain Specify WebLogic Domain Specify Component Details Configure Ports Installation Summary Installation Progress Configuration Progress Installation Complete	Welcome to Oracle Fusion Middleware 11g Web Tier Utilities Installer version 11.1.1.6.0. This installer can be used to install a new Web Tier Oracle Home or to update an existing Web Tier Oracle Home. For additional information and installation instructions, please refer to the Oracle Fusion Middleware Installation Guide for Web Tier Utilities and the Oracle Fusion Middleware Ratching Guide Click Heip at any time for context-sensitive help. Click Next to begin the installation.	x
•			
	Help	< <u>Back</u> <u>Next></u> <u>Finish</u> Cancel	
		Elapsed Time: Om 16s	
E Computer	ation Wizard 🖸 Oracle Fu	ision Middle	🗐 🚔 🔲 👘 Fri Jul 19, 3:37 PM 🔛

2). Install Software Updates. Select **"Skip Software Updates"** if you do not want the installer to check for updates that might be applicable to the current product installation. Click **Next** to continue.

File Edit View Terminal Tabs Help	oraci	2@V1/20-3L23113F33_11.1.1.0.0/Diski		
oracle@V1720-SLES11SP3:~/Desktop 🛛 oracle@V1720-S	LES11SP3:h_Set_5_1 🗶 o	racle@V1720-SLES11SP3:W/Java/jdk 🕱 oracle@V1720-SLES11SP3:	le_SOA1/c 💥 oracle@V1720-SLES11S	P3:5_11.1.1.6 🗙
oracle@V1720-SLES11SP3:~/Oracle_SW/WebTier/Patch Starting Oracle Universal Installer	_Set_5_11.1.1.6.0/Disk1>	./runInstaller -ignoreSysPrereqs		<u>^</u>
Checking Temp space: must be greater than 400 MB Checking swap space: must be greater than 500 MB Checking monitor: must be configured to display Preparing to launch Oracle Universal Installer f Logi / opt/oracle/oraInventory/logs/install2013-	. Actual 27453 MB Pa . Actual 8189 MB Pas at least 256 colors. A rom /tmp/Orainstall2013.0 07-19_03-37-24PM.log	ssed sed ctual 16777216 Passed 17-19_03-37-24PM. Please waitoracle@V1720-SLES11SP3:~/	/Oracle_SW/WebTier/Patch_Set_5_11	.1.1.6.0/Disk1>
	Oracle Fusion Mide Install Software Up	Ideware 11g Web Tier Utilities Installation - Step 2 of 13 - × dates CRACLE Fusion Middleware 118		
	Welcome Skip Software Updates Install and Configure Installand Configure Installation Location Security Updates Configure Components Specify WebLogic Domain Specify Component Details Configure Ports Installation Summary Installation Progress Configuration Progress Installation Complete Help	Sido Software Updates Search My Oracle Support for Updates Usgr Nam e: Password: Proxy Settings Test Connection Search Local Directory for Updates Local Directory: Search For Lipdates << Back Next > Einish Cancel Elapsed Time: Om 265	•	
Computer	uration Wizard	sion Middle	: (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	-ri lul 19 - 3:37 PM 🕅



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3). Select 'Install and configure' as Installation Type, click Next to continue.

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5). Specify Security Updates(Optional) will be displayed as shown below, click Next to continue.

File Edit View Terminal Tabs Help			
oracle@V1720-SLES11SP3:~/Desktop 🛛 🗶 oracle@V1720-S	SLES11SP3:h_Set_5_1 💥 oracle@V1720-	SLES11SP3:W/Java/jdk 🗶 oracle@V1720-SLES11SP3:	le_SOA1/c 🗶 oracle@V1720-SLES11SP3:5_11.1.1.6 🗶
oracle@V1720-SLES11SP3:~/Oracle_SW/WebTier/Patch_ Starting Oracle Universal Installer	_Set_5_11.1.1.6.0/Disk1> ./runInsta	ller -ignoreSysPrereqs	
Checking Temp space: must be greater than 400 MB. Checking swap space: must be greater than 500 MB. Checking monitor: must be configured to display a Preparing to launch Oracle Universal Installer fr Log: /opt/oracle/oraInventory/logs/install2013-	. Actual 27453 MB Passed . Actual 8189 MB Passed at least 256 colors. Actual 1677 rom /tmp/OraInstall2013-07-19_03-37 07-19_03-37-24FM.log Oracle Fusion Middleware 11g V	7216 Passed -24PM. Please waitoracle@V1720-SLES11SP3:~/ Yeb Tier Utilities Installation - Step 5 of 13 _ X	Oracle_SW/WebTier/Patch_Set_5_11.1.1.6.0/Disk1>
	Specify Security Updates	FUSION MIDDLEWARE 118	
	Welcome Provide your en and initiate com	ail address to be informed of security issues, install the product Iguration manager. <u>View details</u> .	
	Install and Configure Installation Location Security Updates	Easier for you if you use your My Oracle Support email address/username.	
	<u>Configure Components</u> <u>Specify WebLogic Domain</u> <u>My Oracle Su</u>	elve security updates via My Oracle Support.	
	Specify Component Details Configure Ports Installation Summary		
	Configuration Progress		
	Help	< <u>Back</u> <u>Next</u> <u>Finish</u> Cancel	
		Elapsed Time: 1m 11s	
E Computer	uration Wizard		👔 🕼 💆 🚔 🔲 🕴 Fri Jul 19, 3:38 PM 🎑

(Note:

Enter your E-mail address if you want to receive the latest product information and security updates. If you have a My Oracle account and wish to receive updates via this mechanism, select I wish to receive security updates via My Oracle Support, then enter your account password.



Click **Yes** to confirm that you do not want to register for security updates.)

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6). Configure Components screen will be displayed as below. Select all and click **Next** to continue.

File Edit View Terminal Tabs Help										
oracle@V1720-SLES11SP3:~/Desktop 🛛 🗶 oracle@V1720-SLES1	11SP3:h_Set_5_1 🗶 oracle@V1720-	SLES11SP3:W/Java/jdk 🐹 oracle@V1720-SLES11SP3:.	le_SOA1/c 🗶 oracle@V1720-SLES11S	P3:5_11.1.1.6 🗙						
oracle@V1720-SLES11SP3:~/Oracle_SW/WebTier/Patch_Set Starting Oracle Universal Installer	t_5_11.1.1.6.0/Diskl> ./runInsta	ller -ignoreSysPrereqs		<u> </u>						
Checking Temp space: must be greater than 400 MB. Checking swap space: must be greater than 500 MB.	Actual 27453 MB Passed Actual 8189 MB Passed									
Checking Monitor: Most be configured to uspray at teast 256 cotors. Actual 1677216 — Passeo Preparing to launch Oracle Universal Installer from /tmp/oraInstall2013-07-19_03-37-24PM. Please waitoracle@V1720-SLES11SP3:~/Oracle_SW/WebTier/Patch_Set_5_11.1.1.6.0/Disk1> og:/opt/oracle/oraInventory/logs/install2013-07-19_03-37-24PM.log										
	Oracle Fusion Middleware 11 g V	/eb Tier Utilities Installation - Step 6 of 13 X								
-		574								
C	Configure Components									
Ψ	Welcome									
	Skip Software Updates V Oracle	HTTP Server								
· · · · · · · · · · · · · · · · · · ·	Install and Configure Oracle	Web Cache								
l T	Installation Location									
	Security Updates Oracle	Process Manager Notification (OPMN) is always configured								
	Specify WebLogic Domain									
	Specify Component Details									
	Configure Ports	ate Selected Components with WebLogic Domain								
	Installation Summary			=						
· · · · · · · · · · · · · · · · · · ·	Installation Progress									
	Configuration Progress									
۵ ا	Installation Complete	2								
•										
	Help	< <u>Back</u> <u>Next</u> > <u>Einish</u> Cancel								
		Elapsed Time: 1m 26s								
Computer	on Wizard Oracle Fusion Middle		🥫 🕼 🛄 🚔 🔲 F	=ri Jul 19, 3:38 PM 🔛						

7). Specify WebLogic Domain will be displayed as below, input the details and click **Next** to continue.

							_		
oracle@V1720-SLES11SP3:~/Deskt	op 🗙 oracl	e@∨1720-SLES11SP3:	h_Set_5_1 🗙	oracle@V1720-SLES1	1SP3:W/Java/jdk 💥	oracle@V1720-SLES11SP3:	le_SOA1/c 💥 or	acle@V1720-SLES11SP3:5_*	11.1.1.6 🗙
oracle@V1720-SLES11SP3:~/Or Starting Oracle Universal I	acle_SW/WebTi installer	er/Patch_Set_5_11	.1.1.6.0/Disk:	l> ./runInstaller	-ignoreSysPrereqs				^
Checking Temp space: must b Checking swap space: must b Checking monitor: must be c Preparing to launch Oracle Log: /opt/oracle/oraInvent	e greater that onfigured to Universal Ins cory/logs/inst	nn 400 MB. Actua in 500 MB. Actua display at least taller from /tmp/ call2013-07-19_03-	l 27453 MB l 8189 MB F 256 colors. OraInstall2013 37-24PM.log Oracle Fusion M	Passed Passed Actual 16777216 3- 07- 19_03- 37- 24PM Hiddleware 11g Web Ti	Passed . Please waito er Utilities Installation -	racle@V1720-SLES11SP3:~ Step 7 of 14 _ X	/Oracle_SW/WebTie		.0/Diskl>
		Speci	ify WebLogi	c Domain	-0-				
		 Welcor Sidp 54 Install Install Securit Specified Specified Web C Config Specified Install 	ne. A function of the second s	Qomain Host Name: Domain Port No: User Name: Passwgrd:	V1720-SLES111 7001 weblogic1 •••••••••	P3.site			
Computer V1720-SI	LES11SP3	🅘 [Configuration Wiza	rd 🖸 Oracle	Fusion Middle			۵ 🕼 🚺	Fri Jul 19), 3:39 PM 🔲

(Notes:

1) Use the domain which created by SOA config.sh, the domain should be up and running.

2) Startup the domain by running **startWebLogic.sh** from

/Oracle_Middleware_Home/user_projects/domains/your_domain

Screenshot: Starting Domain

oracle@V1720-SLES11SP3:...s/base_domain_soa1 Σ File Edit View Terminal Tabs Help oracle@V1720-SLES11SP3-//Desktop 🗶 oracle@V1720-SLES11SP3....s/base_do... 🗶 oracle@V1720-SLES11SP3....VjJava/dk... 🗶 oracle@V1720-SLES11SP3....je_SOA1/c... 🎽 oracle@V1720-SLES11SP3.... je_SOA1/c... 🗶 oracle@V1720-SLES11SP3.... je_SOA1/c... 🗶 oracle@V1720-SLES11SP3.... je_SOA1/c... 🗶 oracle@V1720-SLES11SP3.... je_SOA1/c... 🎽 oracle@V1720-SLES11SP3.... je_SOA1/c...) 000000> <Metric table "weblogic_j2eeserver:jvm_threads" <BEA-000000> <Metric table <BEA-000000> <Metric table <oracle.dms.collector> <oracle.dms.collector> racle.dms.collector> racle.dms.collector> <BEA-000000> <Metric table
<BEA-000000> <Metric table</pre> <BEA-0000000> <Metric table "reports:Reports Server Performance" has no key column. racle.dms.collector> <BEA-000000> <Metric table racle.dms.collector> <BEA-000000> <Metric table oracle.dms.collector> <BEA-000000> <Metric table
oracle.dms.collector> <BEA-000000> <Metric table</pre> <BEA-000000> <Metric table "portal:portal_page_engine" has no key column. s.collector> <BEA-000000> <Metric table s.collector> <BEA-000000> <Metric table 3:42:25 PM GMT+08:00> «Warning> «oracle.dms.collector> «BEA-000000> «Metric table "activitygraph:Response" has no key column. It will not be collected.> 3:42:25 PM GMT+08:00> «Warning> «oracle.dms.collector> «BEA-000000> «Metric table "portaltools:Response" has no key column. It will not be collected.> 3:42:25 PM GMT+08:00> «Warning> «oracle.dms.collector> «BEA-000000> «Metric table "domain_oracle_oim:jdbc" has no key column. It will not be collected.> nne. .nternal.config.GlobalConfiguratorImpl> <BEA:000000> <Configurator services already initialized.> «The Server has established connection with the Domain level Diagnostic Service successfully.> 2013 3:42:59 PM GMT+08:00> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to RUNN 2013 3:42:59 PM GMT+08:00> <Notice> <WebLogicServer> <BEA-000360> <Server started in RUNNING mc 🗏 Computer 🔹 V1720-SLES11SP3 🕘 [Configuration Wizard...) 🖸 Oracle Fusion Middle...

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(Note: The password will be used to access Oracle Web Cache administration and Statistics URLs.)

10). Configure Ports will be displayed as below, select **"Auto Port Configuration"** and click **Next** to continue.



11). Installation Summary screen will be displayed as below, save the summary(optional) and click **Install** to continue.

Eile Edit Manu Terr	singl Take Lisle			01	Viale@Vi/20-3EE313F33_11.1.1.0.0/blaki	
File Eult View Terr	ninai rabs meip					
oracle@V1720-SLES11	SP3:~/Desktop	oracle@V1720-SLE	S11SP3:s/base	e_do 🗙	x oracle@V1720-SLES11SP3:W/Java/jdk x oracle@V1720-SLES11SP3:le_SOA1/c x oracle@V1720-SLE	S11SP3:5_11.1.1.6 💥
oracle@V1720-SLES: Starting Oracle Un	llSP3:~/Oracle_ niversal Instal	SW/WebTier/Patch_Se ler	et_5_11.1.1.6	5.0/Diskl	skl> ./runInstaller -ignoreSysPrereqs	^
Checking Temp space Checking swap space Checking monitor: Preparing to launce	ce: must be gre ce: must be gre must be config ch Oracle Unive	ater than 400 MB. ater than 500 MB. jured to display at rsal Installer from	Actual 2745 Actual 8189 least 256 cc m /tmp/OraIns	53 MB 9 MB P plors. stall2013	Passed Passed Actual 16777216 Passed 013-07-19_03-37-24PM. Please waitoraclegv1720-SLES11SP3:-/Oracle_SW/WebTier/Patch_Set_	5_11.1.1.6.0/Disk1>
Log: /opt/oracle,	/oraInventory/l	ogs/install2013-07	- 19_03- 37- 24F	PM.log		
		0	Oracle	Fusion Mi	Middleware 11g Web Tier Utilities Installation - Step 11 of 14 _ X	
			Installatio	n Sumn	mmary Fusion Middleware 11 ^g	
			Welcome	-	E-Type: Install and Configure	
			Skip Software L Install and Con Installation Loc Security Update	Jpdates ifigure cation es	Location: /opt/oracle/Oracle/Middleware/Oracle_WT1 -Oracle Instance Name: Instance1 Oracle Instance Home: /opt/oracle/Oracle/Middleware/Oracle_WT1 -Associate Winh Domain Case Disk Space Oracle Home	
			Specify WebLog	gic Doma	Required: 1900 MB	
			Specify Compo	nent Det	Oracle Instance Home	
			Web Cache Adr	ministrate	Response File Messa	ge ×
			Configure Port	<u>s</u> Immary	Save Response File: Save Successfully created the resp	nse file at
			Installation Pro	gress	To change this configuration before installing, select the topic you want to change in the pane on the left.	nstallation_Summary
			Configuration I	Progress	To install this configuration, select Install.	ОК
		•				
			<u>H</u> elp		< <u>Back</u> <u>Next</u> > <u>Install</u> Cancel	
					Elapsed Time: 7m 16s	
📃 Computer	V1720-SLES115	SP3 🥘 [Configurat	tion Wizard	Oracle I	cle Fusion Middle	Fri Jul 19, 3:44 PM 🧱

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12). Installation Progress will be started as shown below.

13). Configuration Progress will auto run after the Installation Progress completed. Make sure all of the components are successful. Click **Next** to continue.

File Edit Vie	ew Tern	ninal Ta	ibs He	lp																	
oracle@V1720-	SLES11	5P3:~/D	esktop	×	oracle@∨1720	D-SLES	11SP3:s/b	ase_do »	oracle	@V1720-SL	ES11SP3:V	V/Java/jdk 🔀	oracle@	∑V1720-SLES11	SP3:I	e_SOA1/c 💥	oracle@∨1720	-SLES11	SP3:5_11	.1.1.6	×
oracle@V1720 Starting_Ora	0-SLESI	1SP3:-	/Orac	le_SW/W	/ebTier/Pat	ch_Se	5_11.1.1	L.6.0/Disk	:l> ./r	unInstall	er -ignore	SysPrereqs									^
Checking Ter Checking swa Checking mor Preparing to Log: /opt/o	mp spac ap spac nitor: o launc oracle/	:e: mus :e: mus must b :h Orac 'oraInv	t be t be t con le Un entor	greater greater figured iversal y/logs/	than 400 than 500 to displa Installer	MB. MB. y at from 3-07-	Actual 27 Actual 81 .east 256 /tmp/OraI L9_03-37-2 Orac	7453 MB L89 MB colors. Install201 24PM.log Cle Fusion M	Passed Passed Actu .3-07-1	d al 167772 9_03-37-2 are 11g Web	16 Pass 14PM. Pleas 5 Tier Utilitie	ed e waitor s Installation - S	acle@V: Step 13 c	1720-SLES11S of 14 –	P3:~/0	Dracle_SW/Web					
							Configu	ration Pi	rogre	ss		C FU			g						
						9	Welcome	-	Con	figuration To	ols										
						•	Skip Softwar	e Updates		-	Name			Progress							
						 	Install and C	onfigure		🗸 Web Tier	Configuration			100%							
						0	Installation I	Location		Create and	d Start AS Insta	nce (instance1)		Success							
						0	Security Upo	dates		- Create and	d Start UHS Co d Start Web Ca	he Component (we	ebc	Success							
						ķ	Configure C	omponents						• •							
						6	Specify Web	Logic Doma													
						6	Specify Com	ponent Det	8												
						ļ	Web Cache A	Administrate				Abort	<u>R</u> etry	Continue							
						ļļ	Configure P	orts	Config	uration Log L	ocation:										=
						ļļ	Installation !	Summary	/opt/o	racle/orainve	entory/logs/in	tall2013-07-19_0	03-37-24	PM.log							
						ļļ	Installation I	Progress		Web Tier Co	nfiguration				^						
							Configurati	on Progres	E E	O Log O Create ar	od Start AS Inct	ance (instance1)									
							Installation	Complete 💌		O Create an	nd Start OHS C	omponent (ohs1)			-			k			
								>		-			_		-						
							Help					< <u>B</u> ack <u>N</u> ext >	> <u>E</u> i	inish Cancel							
													El	lapsed Time: 14m	31s						
💻 Computer		V172	0-SLES	511 SP3	🕘 [Con	figurati	n Wizard	Oracle	e Fusion	Middle						غ 🕼 🥫	Ĩ		Fri Jul 19,	3:51 PM	

14). Installation Complete screen will be displayed as below, save installation summary click **OK** and click **Finish** to dismiss the screen.



Web Tier Installation and Configuration Summary as below:

Type: Install and Configure Location: /opt/oracle/Oracle/Middleware/Oracle WT1 Oracle Instance Name: instance1 Oracle Instance Home: /opt/oracle/Oracle/Middleware/Oracle_WT1/instances/instance1 Associate With Domain Case **Disk Space** Oracle Home Oracle Home Size: 1398.909 MB Available: 26988 MB **Oracle Instance Home** Instance Home Size: 25.213 MB Available: 25088 MB Domain Details Hostname: V1720-SLES11SP3.site Port: 7001 User: weblogic1 System Components Oracle Process Manager Notification (OPMN) Oracle HTTP Server (OHS) Oracle Web Cache Accessible URLs Oracle HTTP Server URL : http://V1720-SLES11SP3.site:7777 Oracle HTTP Server SSL URL : https://V1720-SLES11SP3.site:4443 Oracle Web Cache URL : http://V1720-SLES11SP3.site:7785 Oracle Web Cache SSL URL : https://V1720-SLES11SP3.site:7789 Oracle Web Cache Administration URL : http://V1720-SLES11SP3.site:7786 Oracle Web Cache Statistics URL : http://V1720-SLES11SP3.site:7787

4. WebTier Post Install Sanity Tests

1). Check for all the install logs available at oral ventory locations pointed by oralnst.loc inside your oracle home.

2). Checked for the ias components status. Go to \$ORACLE_INSTANCE_HOME/bin, run './opmnctl status -I' (Stopped all services and re-started them with opmnctl. Checked status and all services were able to be stopped and re-started fine.)

			oracle	@V1720-SLES11SP	3:nces/instan	ce1/bin					_ • ×
File Edit View Terminal Tabs Help											
oracle@V1720-SLES11SP3:~/Desktop	<pre> oracle@∨1720-SLES11S</pre>	P3:s/base_	do 🗶 or	acle@V1720-SLES1	1SP3:nces/ins	:ta 🗶 🛛	oracle@V1720-SLES11SP3:	le_SOA1/c 💥	oracle@V1720-SLES1	ISP3:5_11.1.1.	.6 🗙
oracle@V1720-SLES11SP3:~/Oracle/Mi	ddleware/Oracle_WT1/	instances/		/bin> ./opmnctl	status -l						^
Processes in Instance: instancel			\sim								
ias-component		pid	status		memused		me ports				
webcachel webcachel ten:7785	WebCache-admin WebCache	7948 7947	Alive Alive	1877745163 1877745162	85168 163116	0:06:4	42 http_admin:7786 42 http_stat:7787,1		n:7788,https_lis	cen:7789,http	o_lis
ohsl			Alive		145040		15 https:9999,https	s:4443,http:7777			
<pre>oraclegV1720-SLES119P3:-/Oracle/Mi opmnctl stopall: stopping opmn and oraclegV1720-SLES119P3:-/Oracle/Mi opmnctl status: opmn is not runnin oraclegV1720-SLES119P3:-/Oracle/Mi opmnctl startall: starting opmn an oraclegV1720-SLES119P3:-/Oracle/Mi Processes in Instance: instancel</pre>	ddleware/Oracle_WTI/ all managed process ddleware/Oracle_WTI/ g. ddleware/Oracle_WTI/ d all managed proces ddleware/Oracle_WTI/	instances/ es instances/ instances/ ses instances/		/bin> ./opmnctl /bin> ./opmnctl /bin> ./opmnctl /bin> ./opmnctl	stopall status -l startall status -l						
ias-component		pid	status		memused		me ports				
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ohs1		8381			383128		26 https:99 09 ,https	s:4443,http:7777			
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3). Checked all listed URLs for correctly operating services:

Oracle HTTP Server URL : http://<hostname>:7777 Oracle HTTP Server SSL URL : https://<hostname>:4443 Oracle Web Cache URL : http://<hostname>:7785 Oracle Web Cache SSL URL : https://<hostname>:7789 Oracle Web Cache Administration URL : http://<hostname>:7786 Oracle Web Cache Statistics URL : http://<hostname>:7787

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a. Access to Oracle HTTP Server URL : http://<hostname>:7777

b. Access to Oracle HTTP Server SSL URL : https://<hostname>:4443

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	UNIFIED, STANDARDS-BASED INFRASTRUCTURE	Complete, integrated, hot-pluggable, and best of breed middleware to develop and deploy applications.	
	AGILE AND ADAPTIVE BUSINESS APPLICATIONS	Unified business process platform, common enterprise portal, model driven SOA development.	
	MODERN DATA CENTERS	Leverage new hardware and software architectures to improve efficiency, enhance manageability, increase	security, and reduce cost.
EXPLORE INTERACTIVE OVERVIEWS	OVERVIEW FOR ORACLE SOA		
SOA WebCenter WebLogic Server IdentityManagement Enterprise Manager Grid Intrastructure Portal, Forms, Reports & Discoverer Portal, Forms, Reports & Discoverer	Re Grive Bu UDI Registry Madata Repostory Variada	dator Berl	
	About Oracle RSS Doc Site Map Legal Notices Terms of Use I	trivacy	Copyright @ 2009, Oracle. All rights reserved.
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c. Access to Oracle Web Cache URL : http://<hostname>:7785



	UNIFIED, STANDARDS-BASED INFRASTRUCTURE	Complete, integrated, hot-pluggable, and best of breed middleware to develop and deploy applications.	
	AGILE AND ADAPTIVE BUSINESS APPLICATIONS	Unified business process platform, common enterprise portal, model driven SOA development.	
	MODERN DATA CENTERS	Leverage new hardware and software architectures to improve efficiency, enhance manageability, increase s	ecurity, and reduce cost.
EXPLORE OVER	ERVIEW FOR ORACLE SOA		
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e. Access to Oracle We	b Cache Administration UF	RL: http:// <hostname>:7786</hostname>	_ = ×
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Web Cache			
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to Oracle Web Cache	Authen	tication Required ×	Oracle Web Cache
Overview	A username and password are being re "Web Cache Administrator"	equested by http://v1720-sles11sp3.site:7786. The site says:	Web Cache Manager
The Web Tier is responsible for interacting with the en- The Oracle Web Cache system component acts as a	l users, content- User Name: administrator	the end user.	
sites. Oracle Web Cache can serve large numbers of	lient red Password:		③ What's New!
		Cancel Concel	Request filters Serve authenticated users
	or	Even for	Match caching rule by MIME
	are compressible, and throttling responses to slower netw	leilvery by using on-the-ny compression, dynamicaliy learning which MiME types ork clients.	Dynamic compression by MIME type
	To control the duration that cached contents are served, O interfaces through a proprietary response header, and inva	racle Web Cache provides standard expiration policies, proactive invalidation idation-messages mechanisms for sending independent invalidation requests.	Invalidation by response header leastic reliever/retention
	N		IPv6 Audit logging
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without ever reaching the application. Easy monitoring	of request activity is also available through the request filtering i	rectand reject unwanted of manormed requests of can validate legal requests nechanism.	Additional Information
Built-in clustering, load balancing, and failover features	enhance the application's availability.		Web Cache on Oracle
While integrated with Oracle Fusion Middleware, Orac	e Web Cache is also compatible with third party application ser	vers and content management systems.	Technology Network Sample Code Invalidation ABIs
			About Oracle Web Cache
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Operations Ports Origin Servers, Sites, and Load Balancing			

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4). Oracle Enterprise Manager 11g Fusion MiddleWare Control Tests

a. Access to the EM URL: <u>http://Hostname.site:7001/em</u> and check of status Login page (Using the username and password which created during the installation)



Manager (weblogic1) - Mozilla Firefox

b. OHS Tests

OHS Home Page displayed as shown below.

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Shutdown of OHS

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Startup of OHS

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c. WebCache Tests

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Shutdown of WebCache

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Troubleshooting

• Session A.1, "General questions"

A.1 General questions

A.1.1 How many servers are required for Oracle Fusion Middleware components exercise?

A generic setup as below:

a. A separate SLES11 SP3 64bit OS -- Installed Oracle 11gR2 database server.

b. A separate SLES11 SP3 32bit OS -- Used to run the Oracle RCU(Repository Creation Utility). c. A separate SLES11 SP3 64bit OS -- Installed WebLogic(Note: The WebLogic is a generic required for any other OFM components) and other OFM components. (According to your needs these services also can be installed on different machines.)

History:

Date	Changes
October 24, 2013	Initial Document Created.

End