Oracle Fusion Middleware 11gR1: Portal, Forms,Reports and Discoverer(11.1.1.3.0) Certification with SUSE Linux Enterprise Server 11 SP2 (RC3) – x86_64



http://www.suse.com

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Introduction

This documentation provides the details for validate Oracle Fusion Middleware 11gR1: Portal, Forms, Reports and Discoverer(11.1.1.3.0) on SLES 11 SP2 OS. Here, x86_64 version of both Oracle Portal...Discoverer Server and SUSE Linux Enterprise Server is used.Similar steps applies to other platforms(x86, ia64, etc.). If you encounter any problem or have general question, please post your query to suse-oracle@listx.novell.com.

(**Note:**The oracle offical product documentation available at: <u>http://www.oracle.com/technetwork/middleware/docs/middleware-093940.html</u>)

Hardware and Software Requirements

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 Requirements

SuSE

• SUSE Linux Enterprise Server 11 Service Pack 2 RC3 (x86_64) (<u>http://download.suse.de/install</u>)

Oracle

• Oracle Database 11gR2(11.2.0.1.0) (x86_64) (http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html)

 Repository Creation Utility(11.1.1.3.3) (x86) (http://www.oracle.com/technetwork/middleware/weblogic/downloads/index.html)

• Oracle Internet Directory 10.1.4.0.1 and Patchset 10.1.4.3 (x86) (<u>http://www.oracle.com/technetwork/middleware/ias/downloads/101401-099957.html</u>) Patchset download from: (<u>https://support.oracle.com</u>)

• jdk-6u29-linux-x64 (http://www.oracle.com/technetwork/java/javase/downloads/index.html)

 WebLogic Server 10.3.3(Generic installer) (<u>http://www.oracle.com/technetwork/middleware/downloads/fmw-11-download-092893.html</u>)

• Portal, Forms, Reports, and Discoverer (11.1.1.2.0) (x86_64) (<u>http://www.oracle.com/technetwork/middleware/downloads/fmw-11-download-092893.html</u>)



• Portal, Forms, Reports, and Discoverer (11.1.1.3.0) (x86_64) (<u>http://www.oracle.com/technetwork/middleware/downloads/fmw-11-download-092893.html</u>)

Testing Machine information

Dell Vostro 1720 Laptop CPU: Intel(R) Core(TM) 2 Duo CPU T5870@2.00GHz Memory: 4GB Hard Disk: 160GB OS: SUSE Linux Enterprise Server 11 SP2 RC3(x86_64) Java: Oracle jdk-6u29-linux-x64 Openmotif Library: openmotif_FUSION_SLES11(x86_64)

Screenshot: System Info from Testing Machine



(**Note:** If "Oracle Server Base" as an additional installation with OS. Please make sure the following files not be present.

mv /etc/profile.d/oracle.csh /etc/profile.d/oracle.csh.bak # mv /etc/profile.d/oracle.sh /etc/profile.d/oracle.sh.bak # mv /etc/profile.d/alljava.csh /etc/profile.d/alljava.csh.bak # mv /etc/profile.d/alljava.sh /etc/profile.d/alljava.sh.bak)



		YaST2 (as superuser)		
<u>File P</u> ackage Configuration <u>D</u> ependencies <u>C</u>	Options Extras Help			
View V Search RPM Groups Installation	on Summary Patterns			
Pattern 🗸 🗅				
✓ ➡ 32-Bit Runtime Environment	✓ Package	Summary	Installed (Available)	Size
	aspell-ispell	A Free and Open Source Spell Checker	0.60.6-26.22	
Virtualization Host (non-emb	autoconf	A GNU Tool for Automatically Configuring Source Code	2.63-1.158	1.9 MiB
Help and Support Document	🗹 automake	A Program for Automatically Generating GNU-Style Makefile.in Files	1.10.1-4.129	1.4 MiB
	🗹 bison	The GNU Parser Generator	2.3-127.112	1.5 MiB
Minimal System (Appliances)	🗹 cvs	Concurrent Versions System	1.12.12-144.21	899.0 KiB
Creatical Fastingar	emacs	GNU Emacs Base Package	22.3-4.36.1	48.9 MiB
Graphical Environm	emacs-info	Info files for GNU Emacs	22.3-4.36.1	3.6 MiB
GNOME Desktop Environment	emacs-x11	GNU Emacs: Emacs binary with X Window System Support	22.3-4.36.1	17.4 MiB
	🗹 flex	Fast Lexical Analyzer Generator	2.5.35-43.98	705.0 KiB
KDE Desktop Environment	🗖 gcc	The system GNU C Compiler	4.3-62.198	
	gcc-c++	The system GNU C++ Compiler	4.3-62.198	
X Window System	🗖 gcc-info	The system GNU Compiler documentation	4.3-62.198	1.0 KiB
Primary Functions	gcc-locale	The system GNU Compiler locale files	4.3-62.198	1.0 KiB
	gdbm-devel	Include Files and Libraries mandatory for Development	1.8.3-371.83	394.0 KiB
L - File Server	glibc-devel	Include Files and Libraries Mandatory for Development	2.11.3-17.31.1	31.0 MiB
Print Server	glibc-info	Info Files for the GNU C Library	2.11.3-17.31.1	862.0 KiB
	kernel-source	The Linux Kernel Sources	3.0.13-0.9.1	411.7 MiB
Anil and News Server	V libaio-devel	Development Files for Linux-native Asynchronous I/O Access	0.3.109-0.1.46	64.0 KiB
	✓ libstdc++-devel	The system GNU C++ development files	4.3-62.198	1.0 KiB
Web and LAMP Server	ncurses-devel	Include Files and Libraries mandatory for Development	5.6-90.55	22.5 MiB
	🗖 🖉 pka-confia	A library management system	0.23-1.22	181.0 KiB
Infiniband (OFED)	I rcs	Revision Control System	5.7-1005.22	850.0 KiB
Internet Gateway	Description Technical Data	Dependencies Versions File List Change Log		
	aspen-ispen - A Free and Op	en source spell Checker		
Directory Server (LDAP)	GNU Aspell is a spell checker	r designed to eventually replace Ispell. It can be used as a library or as an independent	spell checker.	
SAP Application Server Base	Its main feature is that it does	a much better job of coming up with possible suggestions than just about any other sp	ell checker available for the English I	language, including Ispell and Microso
Cracle Server Base	vvord. It also has many other process is open at once.	tecnnical ennancements over Ispell, such as using shared memory for dictionaries and	inteiligently handling personal diction	taries when more than one Aspell
KVM Virtual Machine Host	Supportability: Level 3			
Xen Virtual Machine Host Se				
Web-Based Enterprise Man				
 Development 				
C/C++ Compiler and Tools	L			
				<u>C</u> ancel <u>A</u> ccept
Computer 🛛 🗔 [Vostro1720]	YaST Control Center (📮 YaST2 (as superuser)	🏮 🔜 🕼 🛋 🔲	Thu Feb 2, 3:31 PM

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Jackegvostni/20./opt/oracle/VI720 openmotif21-libs-2.1.30ML14-0 openmotif21-libs-2.1.30ML14-0 openmotif22-libs-2.2.4.199.1. Vostna1720:/opt/oracle/VI720 Preparing 1:openmotif-libs-32bit 4 Vostna1720:/opt/oracle/VI720 Preparing 1:openmotif-libs Vostna1720:/opt/oracle/VI720 Preparing 1:openmotif21-libs-32bit 4 Vostna1720:/opt/oracle/VI720 Preparing 1:openmotif22-libs-32bit 4 Vostna1720:/opt/oracle/VI720 Preparing 1:openmotif21-libs-32bit 4 Vostna1720:/opt/oracle/VI720 Preparing 1:openmotif21-libs-32bit 4 Vostna1720:/opt/oracle/VI720 preparing 1:openmotif21-libs-32bit 4 Vostna1720:/opt/oracle/VI720 openmotif2-libs-32bit 4 Vostna1720:/opt/oracle/VI720 openmotif2-libs-32bit 4 Vostna1720:/opt/oracle/VI720 openmotif2-libs-32bit 4. Vostna1720:/opt/oracle/VI720 openmotif2-libs-32bit 4. Vostna1720:/opt/oracle/VI720 openmotif2-libs-32bit 4. Vostna1720:/opt/oracle/VI720 openmotif2-libs-2.1-3.1-3. openmotif2-libs-2.1-3.1-3. Openmotif2-libs-2.1-3.1-3. Openmotif2-libs-2.1-3.1-3. Openmotif2-libs-2.1-3.1-3.	<pre>A practe@vostfol</pre>	20	<pre>acle@vosto1720otr_FUSION_SLES11 it-2.3.1-3.13.x86_64.rpm 64.rpm s86_64.rpm rpmforce 1.1.x86_64.rpm 6_64.rpm</pre>	
Computer Vostro1720			(j) 🛄 🕼 🗐	Thu Feb 2, 3:35 PM 🧱



Prerequisites

1. Oracle Database 11gR2 Installation

1-1. Oracle Database 11gR2 installed on a separate SLES 11 SP2 (x86-64) OS. The installation guide please refer to: (<u>http://ftp.novell.com/partners/oracle/docs/11gR2_sles11_sp1_install.pdf</u>)

1-2. Access to <u>https://E5400-DB.site:1158/em</u> after the database setup completed. The EM page will be displayed as shown below.

Screenshot: View Oracle Database 11gR2 Enterprise Manager

📄 Oracle Enterprise Manager (SY 🔀 😻 Mozilla Fir	efox Start Page 🛛 🗶 🕂				~				
🔹 📄 📄 e5400-db.site https://e5400-db.site 1158/em/console/database/instance/sitemap?event=doLoad⌖=orci&type=oracie_database 💿 🖓 🖉 🚼 Google 💽 🏫									
ORACLE Enterprise Manager 11 g					Setup Preferences Help Logout Database				
Database Instance: orcl					Logged in As SYS				
Home Performance Availability Server	Schema Data Movement Software and	i Support							
			Page Refreshed Oc	ot 20, 2011 2:21:46 PM CST (Refresh) Vie	ew Data Automatically (60 sec) 🗘				
General	Host CPU	Activ	ve Sessions	SQL Response T	ime				
Shutdown) Black Out Status Up Up Since Oct 17, 2011 5:36:39 PM CST Instance Name orcl Version 11.2.0.10 Host E5400-DB site Listener LISTENER E5400-DB.site View All Properties	100% 75 50 25 0 Load 0.17 Paging 0.00	2.0 1.5 1.0 0.5 0.0	Wat User I/O CPU Core Count 2	1.0 0.5 0.0 SQL Resp	Edit Reference Collection (seconds)				
Diagnostic Summary	Space Summa	iry		High Availability					
ADDM Findings 0 Alert Log 0 Active Incidents 0 0 Key SQL Profiles 0 Database Instance Health	t Pi Segment Advisor Di	Database Size (GB) roblem Tablespaces Recommendations Policy Violations wmp Area Used (%)	1 <u>.454</u> Q Q 0 1 <u>5</u>	Console Oracle Restart Instance Recovery Time (sec) Last Backup Usable Flash Recovery Area (%) Flashback Database Logging	Details n/a Z n/a 100 Disabled				
▼Alerts									
Category All Co Critical 0 Warning 0									
Severity Category	Name	Impact	Message	Alert Triggered					
(No alerts)									
Related Alerts		\$							
Policy Violations									
All Z Critical Rules Violated Z	Critical Security Patches0, Compliance Scor	e (%) <u>96</u>							
Computer) 01-Oracle-DB_pic - Fi 😻 Oracle Enterpris	e Ma		۵) 🗟 🚬 🕑	Thu Oct 20, 2:23 PM 🔛				



2. Schema creation using RCU (Repository Creation Utility)

2-1. After successful installed Oracle Database 11gR2 , download the right RCU for 32-bit OS on a 32-bit SLES 11 SP2 server. (RCU can be downloaded from the URL: http://www.oracle.com/technetwork/middleware/weblogic/downloads/index.html)

2-2. Extract the downloaded RCU installer and go to the bin folder and run the rcu file as ./rcu

Install Flow:

1). Welcome Screen will be displayed as below, Click **Next** to continue.

		Repository Creation Utility - Welcome	_ = ×	
Welcome	e		ORACLE 118	
Create Databa Select (Schem; Summa Comple	me I Repository ase Connection Details Components ia Passwords ablespaces ary letion Summary	Welcome to Repository Creation Utility for Oracle Fusion Middleware. The Repository Creation Utility enables you to create and drop component schemas that are part of Oracle Fusion Middleware.		
		Skig this Page Next Time Messages:		
•				



_ • ×

2). Create Repository -- Select **Create** and click **Next** to continue.

File Edit Vie	w Terminal Help					
oracle@Latit	ude-RCU:~/Lati	tude_Oracle_SW/Repository	_Creation_Utility/rcu_11.1.1.3.3/rcuHome/bin> ./rcu			<u>^</u>
		<u>&</u>	Repository Creation Utility - Step 1 of 7 : Create Repository		_ = ×	
		Create Repository		FUSIO	DN MIDDLEWARE 11 8	
		Velcome Create Repository Database Connection Data Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Create Create and load component schemas into a database. Drop Remove component schemas from a database.			
			Messages:	6		=
		Help		< <u>B</u> ack Next >	Einish Cancel	
Computer	🖬 Latitud	-RCU Sepository	Creation U			Thu Feb 2, 3:49 PM 🔛

3). For Database Connection Details, provide the following details like, Oracle DB Host Name, Port Number, Service Name, User Name, & Password, and click **Next**. The installer will run auto check progress, after the installer verifies the RCU Prerequisites, click **OK**.

titude-RCU:~/Latitude_Oracle_SW/Repository_Cr	reation_Utility/rc	u_11.1.1.3.3/rcuHome/bin> ./rcu			
۲	Repository Cre	eation Utility - Step 2 of 7 : Database Connec	tion Details	_ = ×	
Database Connection Deta	ails			ORACLE' 118	
Weicome Create Repository Database Connection Deta Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Database Type: Or Host Name: ES For Port: IS Service Name: Or Username: Us	racle Database 400-DB site FAC database, specify VIP name or one of the I 21 cl cl s er with DBA or SYSDBA privileges. Example:sys	Node name as Host name.	• •	
	Role: SY Checking Globa Initializing r	SDBA e or more components may require SISDBA role Repository Creation Utility - Checking Prere Il Prerequisites repository configuration metadata perifes of the socified database	ror the operation to succeed. equisites × 00:02.729(sec) 00:00.101(ms)	\$	
	Check requ	urement for specified database e create operations Dieted. Click OK to continue to next page.	00:00.514(ms) 00:00.118(ms)		
	Messages:				
Help	L		< <u>B</u> ack Next	> Einish Cancel	

_ • ×

4). For Select Components, create a new Prefix and select the required components like 'Portlet Producers' under 'Webcenter Suite', 'Portal' and 'Discoverer' under 'Portal and BI', and click Next. Checking Prerequisites will automatically completed. Click OK to continue.

File Edit View Terminal Help		
oracle@Latitude-RCU:~/Latitude_Oracle_SW/Repository_C	reation_Utility/rcu_11.1.1.3.3/rcuHome/bin> ./rcu	~
<u>گ</u>	Repository Creation Utility - Step 3 of 7 : Select Components	_ 🗆 X
Select Components		
	5	
O. Welcome	A Prefix groups the components associated with one deployment.	
C Grante Reposition /	O Select an existing Prefix	
T Create Repository		
Select Components	Prefix can contain only alpha-numeric characters. Pre	fix should not
Schema Passwords	start with a number and should not contain any specia	ai characters.
Ý Map Tablespaces	Component	Schema Owner
y Summary	BID AS Common Schemas	
Completion Summary	■ dentity Management	
	Enterprise Content Management	
	■□ Oracle Data Integrator	
	WebLogic Communication Services	
	BIJSOA and Brini Initiastructure	
	WebCenter Spaces	WEBCENTER
	Portlet Producers	DEV_PORTLET
	□ Oracle Content Server 10g	OCSERVER
	Discussions	DISCUSSIONS
	Discussions Crawler	DISCUSSIONS_CRAWLER
	Wiki and Blogs	WIKI
		DEV PORTAL
	Discoverer	DEV. DISCOVERER
	■□ Enterprise Performance Management	
	Repository creation utility - checking Prerequisites X	
Checkin	g Component Prerequisites	
V Por	tlet Producers 00:00.100(ms)	
Sector Port	tal 00:00.806(ms)	=
Sector Discovery	coverer 00:00.101(ms)	
Operati	on completed. Click OK to continue to next page.	
Help		ack Next > Einish Cancel
📃 Computer 🛛 🔄 Latitude-RCU	reation U	🕼 🛄 🚞 Thu Feb 2, 3:50 PM 📜

(Note: If an error message displayed as shown below:



Please 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.

)



5). For Schema Passwords, provide the password and confirm the same and click **Next** to continue.

File Ed	lit ∨iew	Terminal He	elp							
oracle@	Latitud	de-RCU:~/La	titude_	_Oracle_SW/Repository_C	reation_Utility/r	cu_11.1.1.	3.3/rcuHome/bin> ./rcu	l de la companya de l		^
					Reposito	ory Creation	Utility - Step 4 of 7 : Schema	Passwords	_ = ×	
			Sc	hema Passwords						
					Please enter the passy following special chara ① Use same password Confirm Password ① Use main schema p	words for the j acters: \$, # , _ rds for all sche •••••• •••••• passwords for	main and additional (auxiliary) .Password should not start wit mas auxiliary schemas	schema users. Password can con th a number or a special characte	italn alphabets, numbers and the rr.	
			J		○ Specify different pa	asswords for a	II schemas			
					Component Portiet Froducers Portal Auxiliary/Schema Auxiliary/Schema Discoverer Auxiliary/Schema	0 00 00 00 00 00 00 00 00	V_PORTLET V_PORTAL V_PORTAL_ V_PORTAL_PUBLIC V_PORTAL_PAPROVAL V_DISCOVERER V_DISCOVERER_PS			
					<u>M</u> essages:					≡
				<u>H</u> elp				< <u>B</u> ack	ext > Einish Cancel	
E Com	nputer	🖬 Latitu	ude-RCU	🛃 Repository C	reation U				d) 🗖 🖻 🔲	Thu Feb 2, 3:51 PM 🔛

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**.

File	Edit	View	Terminal	Help							
orac	le@La	titud	e-RCU:~/L	atit	ude_Oracle_SW/Repository_C	reation_Utility/rcu	_11.1.1.3.3/rcuHome/b	in> ./rcu			
					4	Repositor	v Creation Utility - Step 5 o	f 7 : Map Tablespaces		_ T X	
							,				
					Map Tablespaces				50		
					Q Welcome	Choose tablespaces for th To create new tablespace	he selected components. The es or modify existing tablespa	default and temporary t ices click the 'Manage Ta	tablespaces are specified ablespaces' button.	in the table below.	
					Create Repository	Component		Schema Owner	Default Tablespace	Temp Tablespace	
					🔶 Database Connection Details	Portlet Producers		DEV_PORTLET	*DEV_IAS_PORTLET	DEV_IAS_TEMP	
					Select Components	Portal		DEV_PORTAL	*DEV_PORTAL	DEV_IAS_TEMP	
					Schema Passwords	Discoverer		DEV_DISCOVERER	"DEV_DISCO_PIM5_M.	DEV_IAS_TEMP	
					Man Tablesnaces						
					Map Tablespaces						
					• <u>Summarv</u>						
					O Completion Summary						
								on Utility 🛛 🗙			
							Any tablespaces 1	hat do not already			
							exist in the select	ed schemas will be			
							createu.				
							Click OK to create	tablespaces.			
							Click Cancel to re	turn to the wizard.			
							_				
								<u>OK</u> <u>C</u> ancel			
											·
						* Default tablespaces (sp	ecified in the configuration file	es) are to be created up	on confirmation		
									Additional Tablespace	s <u>M</u> anage Tablespaces	
											=
						<u>m</u> essages:					
					Help				< <u>B</u> ack <u>N</u> ext >	Einish Cancel	
	Compu	ter	🗖 La	titude-	RCU Arepository C	eation U				a) 🔽 🚔 🗖	Thu Feb 2, 3:51 PM 🔛



The process will auto creating Tablespaces. After the operation completed, click **OK** and **Next** to continue.

Pile data/ Repeating: Creation Utility-Step 3 of 7: Map Repeating: Creation Utility-Step 3 of 7: Map Tablespaces Map Tablespaces Netone Neton		oracle@Latitude-RCU:1.3.3/rcuHome/bin	_ = ×
	File Edit View Terminal Help oracle@Latitude-RCU:~/Latitude_Oracle_SW/Repository_Ci	reation_Utility/rcu_11.1.1.3.3/rcuHome/bin> ./rcu	<u>^</u>
Map Tablespaces Chose Tablespaces (or the selected components. The default and temporary tablespaces are repeated and the tablespaces (or mody existing tablespaces)) Wey table Create are tablespaces (or mody existing tablespaces (or mody existing tablespaces)) Schema Tablespaces Create are tablespaces (or mody existing tablespaces) Schema Tablespaces Create are tablespaces (or mody existing tablespaces) Schema Tablespaces Create are tablespaces Completeins Schema Tablespace Completeins Completeins Completeins Completeins Operation Completein Operation Completein Completein Completein Default tablespaces Completein Default tablespaces Completein Leta Com	<u>چ</u>	Repository Creation Utility - Step 5 of 7 : Map Tablespaces 📃 🗆 🗙	
Oncore tablespaces for the selected components. The default responsery tablespaces are specified in the table below. Create Resolution Stemmary Stemmary Completion Summary Completion Summary Default rablespaces	Map Tablespaces		
	Velcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Choose tablespaces or the selected components. The default and temporary tablespaces are specified in the table below. To create new tablespaces or modify existing tablespaces click the 'Manage Tablespaces' button. Component Schema Downer Default Tablespace Temp Tablespace Portiet Producers DEV_PORTLET DEV_LAS_FORTLET DEV_LAS_TENP Portiat DEV_PORTLAL *DEV_PORTAL DEV_LAS_TENP Discoverer DEV_DBCOVERER *DEV_DSCO_PTMS_M DEV_LAS_TENP Discoverer DEV_DBCOVERER *DEV_DSCO_PTMS_M DEV_LAS_TENP Check tablespace requirements for selected components 00:00:005(ms) Create tablespaces Validating and Creating T	
Help < Back Next > Enish Cancel Computer Cancel & Cancel Thu Feb 2, 352 PM Cancel Thu Feb 2, 352 PM Cancel Thu Feb 2, 352 PM Cancel Can		* Default tablespaces (specified in the configuration files) are to be created upon confirmation. Additional Tablespaces Messages:	≡
	E Computer	< Back Next > Finish Cancel	Thu Feb 2, 3:52 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**.

<u>\$</u>	Reposito	ry Creation Utility - Step 6 o	7 : Summary	_ = ×	
Summary				FUSION MIDDLEWARE 118	
φ Welcome	Database details:				
Create Repository Database Connection Deta	Host Name: E5400-D Port: 1521 Service Name: ORCL Connected As: sys	B. site			
Schema Passwords Man Tablespaces	Operation: Create Prefix for (prefixable) Schen	na Owners:DEV			
Summary	Component	Schema Owner	Tablespace Type	Tablespace Name	
Completion Summary	Portlet Producers	DEV_PORTLET	Default Temp	DEV_IAS_PORTLET DEV_IAS_TEMP	
	Portal	DEV_PORTAL	Additional Default Temp Additional	None DEV_PORTAL DEV_IAS_TEMP DEV_PORTAL DOC	
				DEV_PORTAL_LOG DEV_PORTAL_IDX	
	Discoverer	DEV_DISCOVERER	Default Temp Additional	DEV_DISCO_PTM5_META DEV_IAS_TEMP DEV_DISCO_PTM5_CACHE	
				DEV_DISCO_PSTORE	
•	•				
Help			< <u>B</u> ac	k Next > Create Cancel	
	•		< <u>B</u> ac	k Next > Create Cancel	2





8). Completion Summary will be displayed, click Close to dismiss the screen.

	,	oracle@L	atitude-RCU:1.3.3/rcul	lome/bin		_ = ×
File Edit View Terminal Help oracle@Latitude-RCU:~/Latit	ude Oracle SW/Repository (Creation Utility/rcu 11.1.1	L.3.3/rcuHome/bin> .	/rcu		
Installing PORTAL repositor	y <u></u>	Repository Creation	Utility - Step 7 of 7 : Cor	npletion Summary	_ = ×	
Log file location : /opt/or	Completion Summary					
	Welcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Database details: Host Name: Port: Service Name: Connected As: Service Name: Connected As: Connected As:	E5400-DB.site 1521 ORCL ys create pt/oracle/Latitude_Oracle 2-02_15-48/rcu.log oracle/Latitude_Oracle_SW 2-02_15-48 0 minutes 17 seconds per: DEV	_SW/Repository_Creation_Utility/rcu_ /Repository_Creation_Utility/rcu_11.:	11.1.1.3.3 1.1.3.3	
		Trenk for (prenkable) senema om				
		Portiet Producers Portal Discoverer	Status Success Success Success	Logiie portal.log discoverer.log	00:04.131(sec) 19:24.213(min) 00:08.517(sec)	
	•					
	Help			< <u>B</u> ack	Next > Create Close	
Computer	RCU 🛃 Repository C	reation U			d) 💆 🏛 🔲	Thu Feb 2, 4:12 PM 🔛



3. Oracle Internet Directory 10.1.4.0.1 and Patchset 10.1.4.3 Installation

3-1. Login to a separate SLES10 SP2 (32-bit) OS as a non-admin user, then download Oracle Internet Directory from http://www.oracle.com/technetwork/middleware/ias/downloads/101401-099957.html and Patchset from https://support.oracle.com/technetwork/middleware/ias/downloads/101401-099957.html and Patchset from https://support.oracle.com

Download the packages as shown below:

as_linux_x86_oim_oif_101401_disk1.cpio as_linux_x86_oim_oif_101401_disk1.cpio p7215628_101430_LINUX.zip

3-2. 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.

Screenshot: Access to OID EM page (<u>http://optiplex960-oid.site:1156/emd/console</u>)

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ORACLE Enterprise Manager 10g Application Server Control			Topology Preferences Help
Farm: oracleas.site			
Instances can be grouped and managed together by configuring standalone instances in a	ommon repository. This collection of instances is k	nown as an Oracle Application Server Farm.	
Repository Type Database			
Clusters			
			Create Cluster
SelectName			Status Instances
There are no clusters in the farm.			
Standalone Instances			
These instances belong to the farm but are not part of any cluster.			
Join Cluster			
SelectName	Host	Oracle Home	
oracleas1.optiplex960-oid.site	optiplex960-oid.site	/opt/oracle/OraHome_1	
Copyright © 1996, 2008, Oracle. All rights reserved. About Dracle Enterprise Manager TDg Application Server Control	Topology Preferences Help		

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Home J2EE Applications Ports Infrastructure Backup/Recov	/ery			
			Page Refr	eshed Oct 20, 2011 3:59:56 PM
General	CPU Usage	Memor	/ Usage	
Stop All Restart A	D			
Status Up Host <u>optiplex960-oid site</u> Version 10.1.4.3.0 Installation Type Identity Management and Metadata Reposi	tory			
Farm <u>oracleas site</u>	Application Server (0%) Idle (0%) Other (100%)	Ap Fin Ot	plication Server (30% 281MB) 2e (4% 35MB) her (66% 628MB)	
System Components			Enable/Disable	Components) (Create OC4J Instance)
Start (Stop) (Restart) (Delete OC4) Instance)				
Select Name	Status Start Time		N CPU Usage (%)	Memory Usage (MB)
HTTP_Server			₩ 0.02	76.49
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	ô N/A		NZA	NZA
oracleas1.optiplex960-oid.site_DIP	€ N/A		N/A	NZA
oracleas1.optiplex960-oid.site_LDAP			0.00	7.83
Single Sign-On:orasso	企 N/A		N/A	N/A
Management			0.04	141.32
TIP This table contains only the enabled components of the application served	er. Only components that have the checkbox e	enabled can be started or stopped.		
Related Links				
oracle Enter ⊖le Edit View History Bookmarks Tools Help	prise Manager - Application Server:oracle	ast.optiplex960-oid.site - Mozilli	Firefox	_ • 3
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documentation. Regardless of how you modify the ports, you must consider any p	ort dependencies before modifying a port value	. More information: <u>About Oracle A</u>	plication Server Port Dependencies	lust refer to the component
Component / Type		Port in L		ted Port Pange Configure
DCM Object Cache Cache Disc	overy Port		Se Sugges	7100-7199
Log Loader Managemer	it .	440	00	44000-44099
OC4J_SECURITY RMI		124	01	12401-12500
OC4J SECURITY		126	01	12601-12700
		120	01	12501 12500
AP	N	125		12301-12000
OPMN ONS Remot OPMN ONS Local	ie 🖌	62	00	6200-6299
OPMN ONS Eduar OPMN ONS Reque	st	60	03	6003-6099
Oracle Enterprise Manager 10g Application	Server Control	11	56	1156;1810-1829
Oracle Enterprise Manager 10g Oracle Man	agement Agent	11	57	1157;1830-1849
Oracle Enterprise Manager TUG Application Oracle HTTP Server Diagnostic	Server Control KMI	18	00	7200-7299
Oracle HTTP Server Listen		77	77	80;7777-7877
Oracle HTTP Server)			443;4443-4543
Oracle Internet Directory Non SSL Pr	nt		89	13060-13129
Oracle Internet Directory SSL Port	ax	6	36	13130-13199
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	Logs Topology Prefe	erences Help		
Lopyright @ 1996, 2008, Oracle. All rights reserved. About Oracle Enterprise Manager 10g Application Server Control				

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4. Java Installation

4-1. Login to the SLES 11 SP2 64-bit OS(Testing Machine which Portal...Discoverer would be installed.) as a non-admin user. Download the latest JDK from the URL: (<u>http://www.oracle.com/technetwork/java/javase/downloads/index.html</u>)

4-2. Chmod +x jdk-6u29-linux-x64.bin, then execute for JDK installation.

4-3. Set JAVA_HOME and PATH variables, then check the version information.

Screenshot: Java installstion info

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oracle@Vostro1720:~/	Desktop	× 0	racle@Vostro1720:~	× orac	:le@Vostro1720:/Portal/11.1.1.3.0	×
oracle@Vostro1720.~ oracle@Vostro172 oracle@Vostro172 oracle@Vostro172 java version "1.1 java(TM) SE Runt. Java(TM) SE Runt. Java etspot(TM) oracle@Vostro172	Deskop I:-> @export JAVA_HCME=; D:-> export JATH=JAVA D:-> Java - version D:-> Java - version G4.Bit Server VM (build G4.Bit Server VM (build) D:->	X /opt/oracle/V1720_Oracl HOME/bin:\$PATH 1.6.0_29-b11) Id 20.4-b02, mixed mode	raclegvostn1/20:- e_SW/Java/jdk1.6.0_29	× orac	le@Vostro1720/Portal/11.1.1.3.0	
Computer	Vostro1720	2-Prerequisites_pic			🧯 🔜 🕼 🖆 🔳	Thu Feb 2, 3:53 PM 🔛



5. WebLogic Server Installation

5-1. Login as the same non-admin user which was used for Java installation.

5-2. Downlaod Oracle WebLogic 10.3.3 generic installer from: (http://www.oracle.com/technetwork/middleware/downloads/fmw-11-download-092893.html)

5-3. Execute the WebLogic generic installer using the command java -jar <WebLogic jar installer>.

Install Flow:

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

		oracle@Vostro172	0:Oracle_SW/WebLogic		_ = ×
File Edit View Terminal Tabs Help	~	aracla@\/actro1720; Oracla S\A	MANobl pairs		~
oracle@vostn1/20:~/UEsktop oracle@vostn1/20:~/V1720_Oracle_s Cfracting 0%	≪ W/WebLogic≻ java -jar wlsi	Grate@vosuor/20Oracle_sv O33_generic.jar		oracle@vostro1/20/Pottal/11.11.3.0	, , , , , , , , , , , , , , , , , , ,
	2	Oracle instal	ller - WebLogic 10.3.3.0	_ × _	
	Welcom This insta WebLogic	1e Iler will guide you through the install 10.3.3.0	lation of	ILE.	
		DRACLE.	tructions It the Next button to proceed to the next screen. If y hange entries in periodus screen, click the Previou ton. You may guit the installer at any time by clicking button.	/ou want s g the	
	E <u>x</u> it		Previous	Next	
					=
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2). Select "Create a new Middleware Home" and give the path of the Middleware Home Directory (path will be displayed by default).

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oracle@\/ostro1720:~/Deskton	oracle@Vostro1720 Oracle_SW/WebLogic	aracle@\/ostro1720;	/Portal/11.1.1.3.0
oracle@voir2ocskop oracle@voir2ocskop Extracting 0%	Logic> java -jar wls1033_generic.jar		n (Marini, 1.3.00 Pro
	oracle Installer - WebLogic 10.3.3.0	_ ×	
	Choose Middleware Home Directory Specify the Middleware Home where you wish to install WebLogic 10.33.0.	ORACLE'	
	Middleware Home Type O Use an existing Middleware Home O Create a new Middleware Home Middleware Home - Middleware Home Directory		
	/opt/oracle/Oracle/Middleware		
	Browse Reset		
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3). Register your email ID for security updates (optional).

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File Edit √iew	Terminal Tabs Help					
oracle@∨ostro1720	l:∼/Desktop	oracle@Vostro	1720:Oracle_SW/WebLogic	× oracle@∨ost	tro1720:/Portal/11.1.1.3.0	×
oracle@VostrolJ Extracting 0%	720:~/V1720_Oracle_SW/We	bLogic> java -jar wls1033_generic				
			Oracle Installer - WebLogic 10.3.3.0	_ ×		
		Register for Securit Provide your email addres	y Updates s to be informed of security issues, install the product, manager, callising hand	ORACLE		
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		☑ I wish to receive sr My Oracle Support Passu	curity updates via My Oracle Support			
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5). JDK location will be selected, click **Next** to continue.

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orac Extr	e@Vos	trolî Ø%.	720:~	/V1720)_0r	acl	.e_SW/1	webLc	ogic	⊳ j 	ava	.jar	wls10	033_gene	eric.j	jar									100	P6											^
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6). Provide the directories where you wish to install the product.

File Edit √iew	Terminal Tabs	Help					
oracle@Vostro1720	0:~/Desktop			oracle@Vostro1720:Oracle_SW/WebLogic	× oracle@∨os	tro1720:/Portal/11.1.1.3.0	×
oracle@Vostrol Extracting 0%.	720:~/V1720_	Oracle_	SW/WebLogic≻ java -	ar wls1033_generic.jar Oracio Instalier- WebLogic 10.3.3	• • • ×		
				Choose Product Installation Directories Provide the directories where you wish to install WebLogic 10.3.3.0.	ORACLE [.]		
					💍 Dis <u>c</u> ard Changes		
				Middleware Home Directory /opt/oracle/Oracle/Middleware			
				Product Installation Directories			
				The Product Home might contain shared utilities and any products o directories are not set. WebLogic Server: /opt/oracle/Oracle/Middleware/wiserver_10.3	r components for which unique		
				Oracle Coherence: /opt/oracle/Oracle/Middleware/coherence_3.5	Browse		
				E <u>x</u> it	Previous Next		
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7). Instal	llation	sum	mary will be	listed, click Next to continu	e.		
				oracle@Vostro1720:Oracle_SW/WebL	ogic		×





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8). Installation Progress will be displayed as shown below.



9). The "Installation Complete" message will be displayed. Click **Done** and close the installation. (Enabling"Run Quickstart" is optional).

File Edit View Terminal T	abs Help					
oracle@Vostro1720:~/Desktop		oracle@	Vostro1720:Oracle_SW/WebLogic	× oracle@\	/ostro1720:/Portal/11.1.1.3.0	×
oracle@vostro1720:-/V17 Extracting 0% Feb 2, 2012 4:07:05 PM INF0: Created user pref	20_Oracle_SW/Web java.util.prefs. erences director	Logic> java .jar wls1033_ge FileSystemPreferences\$2 rur y.				
		6	Oracle Installer - WebLogic 10.3.3.0	_ × _		
		Installation C Click the Done but	a mplete ion to exit the installer.	ORACLE		
			_ Message			
			Congratulations! Installation is	complete.		
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Portals, Forms, Reports and Discoverer Installation

1. Login to the SLES 11 SP2 64-bit OS(Testing Machine which Portal would be installed.) 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 SP2 ISO DVD**. Or download from the URL: (<u>ftp://ftp.novell.com/partners/oracle/sles-11/openmotif_FUSION_SLES11.tgz</u>) Once above packages were installed **reboot** the Testing Machine.

(Note: Using rpm with flag "- -force" to solve conflicts during openmotif packages installing.)

2. Re-login to the Test Machine(Installed SLES 11 SP2 64-bit OS) as a non-admin user and download the Portal, Forms, Reports, and Discoverer packages:

ofm_pfrd_linux_11.1.1.2.0_64_disk1_1of1.zip ofm_pfrd_linux_11.1.1.2.0_64_disk2_1of1.zip ofm_pfrd_linux_11.1.1.2.0_64_disk3_1of1.zip ofm_pfrd_linux_11.1.1.2.0_64_disk4_1of1.zip ofm_pfrd_linux_11.1.1.3.0_64_disk1_1of1.zip

from the URL:(<u>http://www.oracle.com/technetwork/middleware/downloads/fmw-11-download-092893.html</u>)

3. Unzip all of the (11.1.1.2.0).zip files and go to Disk1/, run the installer(./runInstaller) with the parameters -ignoreSysPrereqs.

(**Note:** Enable Oracle DB server , OID server and Portal... Discoverer server known each other by using Hostname before starting the installation.)



Install Flow:

1). Specify Inventory dire	ectory will be prompted			
Die Edit Verw Terminal Taka Usia	oracle@Vo	stro1720:I/11.1.1.2.0/Disk1		_ ¤ ×
oracle@\/ostro1720:~/Deskton	aracle@\/ostro1720; Oracle	SW/WebLogic	oracle@Vostro1720:/11.1.1.2.0/Disk1	×
oracle@Vostro1720:~/V1720_Oracle_SW/Portal Starting Oracle Universal Installer	l/11.1.1.2.0/Disk1>/runInstaller -igno	reSysPrereqs		<u>^</u>
Checking Temp space: must be greater than Checking swap space: must be greater than Checking monitor: must be configured to di Preparing to launch Oracle Universal Insta	270 MB. Actual S5927 MB Passed 500 MB. Actual B109 MB Passed isplay at least 256 colors. Actual 16 aller from /tmp/OraInstall2012-02-02_04-	777216 Passed 16-06PM. Please waitoraclo	@Vostro1720:-/V1720_Oracle_SW/Portal/11.1.1	.2.0/Disk1> []
	Specify Inventory directo	ry	RACLE 11 ^g	
	You are starting your first installation on this 1 installer files. This is called the "inventory dire up subdirectories for each product to contain Enter the full path of the inventory directory. You can specify an Operating System group th	nost. As part of this install, you need to speci ton?". Within the inventory directory, the ins inventory data and will consume typically 15 at has write permissions to the above directo	fy a directory for taller automatically sets 0 Kilobytes per product. ory	
	Inventory <u>D</u> irectory: Operating <u>S</u> ystem Group name:	/opt/oracle/oralnventory oinstall	<u>B</u> rowse	
	Неір	Qk	Cancel	
Computer	3-Portal-Install nic - E		i 🔊 🔽 🕁 🚔 🥅	Thu Feb. 2 4 16 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/oralnventory.

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.



3). A Welcome message will be displayed, click **Next** 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 Installation Type as shown below. Click **Next** to continue.

Elle Edit View Terminal Tabs Help		oracle@vostro1/20://11.1.1.2.0/Disk1		- • •
oracle@Vostro1720:~/Desktop	× oracle@∨ostro	720:Oracle_SW/WebLogic	oracle@Vostro1720:l/11.1.1.2.0/Disk1	×
oracle@Vostro1720:~/V1720_Oracle_SW/Pc Starting Oracle Universal Installer	ortal/11.1.1.2.0/Diskl> ./runInsta	ller -ignoreSysPrereqs		
Checking Temp space: must be greater t Checking swap space: must be greater t Checking monitor: must be configured t Preparing to launch Oracle Universal I racle/oraInventory/logs/install2012-02	than 270 MB. Actual 55927 MB than 500 MB. Actual 8189 MB P to display at least 256 colors. Installer from /tmp/OraInstall2012 2-02_04-16-05PM.log	Passed assed Actual 16777216 Passed -02-02_04-16-06PM. Please waitoracle@Vostrol	720:~/V1720_Oracle_Sw/Portal/11.1.1.2.0/	Diskl> Log: /opt/o
	O Oracle Porta	I, Forms, Reports and Discoverer 11g - Step 2 of 15	_ × _	
	Select Installation		11 ^g	
	Welcome Install Only Specify Installation Locatio Specify Security Updates Installation Summary Installation Progress	 Install and Configure Installs binaries in an ORACLE HOME and configures working Instance in an INSTANCE HOME. 		
	Installation Complete	 Install Software - Do Not Configure Before these installed components will work, they must be confi- by running the configuration wizard. 	gured	
		\$		
		Installs software only. After installation is complete, use config s bin directory in ORACLE HOME to configure working instances o installed components.	h from f these	
	Leip	< <u>g</u> ack <u>N</u> ext > Einish	Cancel	
		Elapsed 1	Time: 3m 9s	
				=
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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 Locations as shown below, click **Next** to continue.

	oracle@Vostro1720:	/11.1.1.2.0/DISK1	_ • ×
File Edit ∨iew Terminal Tabs Help			
oracle@Vostro1720:~/Desktop	oracle@Vostro1720:Oracle_SW/WebL	ogic via cracle@Vostro1/20://11.1.1.2.0/Disk1	*
Starting Oracle Universal Installer.		eqs	
Checking Temp space: must be greater Checking swap space: must be greater Checking monitor: must be configures Preparing to launch Oracle Universal racle/oraInventory/logs/install2012:	 than 270 MB. Actual 55927 MB Passed than 500 MB. Actual 8189 MB Passed to display at least 256 colors. Actual 16777216 Installer from /tmp/orainstall2012-02-02_04-16-06PM. 02-02_04-16-06PM.log 	Passad Please waitoracle@Vostro1720:-/V1720_Oracle_SW/Portal/11.1.1	2.0/Diskl> Log: /opt/o
	Oracle Portal, Forms, Reports and i	Discoverer 11g - Step 3 of 7 ×	
	Specify Installation Location		
	Weicome Install Only Specify Installation Locati Installation Summary Installation Progress Installation Complete Oracle Middleware Home: Oracle Home Directory:	Voracle/Oracle/Middleware ▼ Bgowse as_1	
	The WebLopic Serve	r must already be installed in the same Middleware	
		Elapsed Time: 3m 19s	
			=
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6). Specify Security Updates, provide the details and click **Next** to continue.

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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 $\ensuremath{\text{Yes}}$ 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.



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

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After the installation is complete, click **Next** to continue.

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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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4. The Oracle Portal, Forms, Reports and Discoverer(11.1.1.2.0) installation is completed. Then upgrade to (11.1.1.3.0). Extract the Oracle Portal, Forms, Reports and Discoverer(11.1.1.3.0). 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.





2). Specify the Installation Locations as shown below, click **Next** to continue.

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oracle@Vostro1720:~/Desktop	oracle@Vostro17	20:Oracle_SW/WebLogic	oracle@Vostro1720:I/11.1.1.3.0/Disk1	×
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(**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.

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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.



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

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oracle@Vostro1720:~/Desktop	oracle@Vostro1720:Oracle_SW/WebLogic	oracle@Vostro1720:I/11.1.1.3.0/Disk1	×
oracle@Vostro1720:~/V1720_Oracle_SW/Port Starting Oracle Universal Installer	al/11.1.1.3.0/Disk1> ./runInstaller -ignoreSysPrereqs		-
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After the installation is complete, click **Next** to continue.

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6). 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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oracle@Vostro1720:~/V1720_Oracle_SW/Porta Starting Oracle Universal Installer	./11.1.1.3.0/Diskl> ./runInstaller -ignoreSysPrereqs		~
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	Specify Security Updates Oracle Home Location: /opt/oracle/O	e/Oracle/Middleware	
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	REPORTS	\bigcirc	
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5. Oracle Portal, Forms, Reports, and Discoverer(11.1.1.3.0) 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.


Oracle Fusion Middleware 11gR1 Certification with SLES 11 SP2

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.

)



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

File Edit View Terminal Tabs Help		oracle@vostror/zolutieware/as_f/bin		
oracle@Vostro1720:~/Desktop	X oracle@Vostro	1720:Oracle_SW/WebLogic	oracle@Vostro1720:iddleware/as_1/bin	×
oracle@Vostro1720:-/Oracle/Middle Starting Fusion Middleware Config ORACLE_HOME set as /opt/oracle/Or PATH set as /opt/oracle/Oracle/Mi Lo_LIERGATY_PATH set as /opt/oracl Starting Oracle Universal Install	ware/as_l/bin> ./config.sh -ignoreSys/ juration WiZard acle/Hiddleware/as_l ddleware/as_l/bin:/usr/ .e/Oracle/Middleware/as_l/lib er	Prereqs /bin:/bin:/usr/bin/X11:/usr/X11R6/bin:/usr/games:	/usr/lib/mit/bin:/usr/lib/mit/sbin	
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	Weicome Create Domain Specify Security Updates Specify Installation Locatio Configure Components Configure Ports Specify Proxy Details Specify Portiet Schema Specify Application OID Installation Complete Itip	Provide your email address to be informed of security issues, install t and initiate configuration manager. View details. Email: Easier for you if you use your My Ora Support email address/username. My Qracle Support Password	re product cie Cancel	
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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.)



4). Specify the Installation Locations as shown below, click Next to continue.



(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.

File Edit View Terminal Tabs Help		onale@voalor.zoauevalevale.au_			
oracle@Vostro1720:~/Desktop	X oracle@Vostro1	720:Oracle_SW/WebLogic	x oracle@Vost	ro1720:iddleware/as_1/bin	×
oracle@Vostro1720:-/Oracle/Middleware/as_1 Starting Fusion Middleware Configuration W ORACLE_HOWE set as /opt/oracle/Oracle/Midd PATH set as /opt/oracle/Oracle/Middleware/ LD_LIBRARY_PATH set as /opt/oracle/Oracle/ Starting Oracle Universal Installer	/bin> ./config.sh -ignoreSysP nizard leware/as_1 as_1/bin:/usr/local/bin:/usr/l Middleware/as_1/lib	ereqs bin:/bin:/usr/bin/Xll:/usr/XllR6/bin	:/usr/games:/usr/lib/m:	it/bin:/usr/lib/mit/sbin	
Checking Temp space: must be greater than Checking swap space: must be greater than Checking monitor: must be configured to di Preparing to launch Oracle Universal Insta ntory/logs/install2012-02-02_04-46-54PM.lc]	270 MB. Actual 51474 MB H 150 MB. Actual 8189 MB P. splay at least 256 colors. ller from /tmp/OraInstall2012 g	Passed ssed Actual 16777216 Passed 02-02_04-46-54PM. Please waitor	acle@Vostro1720:~/Orac	le/Middleware/as_1/bin≻ Log: /opt;	/oracle/oraInve
	Configure Ports	I. Forms, Reports and Discoverer 11 g - Step 6	ORACLE: 118		
	Welcome				
	Create Domain				
	Specify Installation Locatio				
	Configure Components	○ Specify Ports using Configuration file			
	Specify Proxy Details	Eile name: /opt/oracle/staticports.ini	Browse		
	Specify Schema	∐iew/Edit File			
	Specify Portlet Schema Specify Application OID				
	Installation Summary				
	Configuration Progress				
	Installation Complete				
	Help	< Back Next >	Einish Cancel		
			Elapsed Time: 2m 8s		
					=
E Computer	5-Portal-Config_pic 🖸 Oracle F	fortal, Forms,		🔋 🥃 🛄 🕼 🚔 🔽 👘 Th	iu Feb 2, 4:49 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.

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File Cult View Terminal Tabs Help	arada@)/astra1720; Orada Siti	(At/abl ania	aracle@\/ostro1720: iddleware/as 1/bin	×
oracle@VostB1720Desktop oracle@VostB1720Qreale/Middleware/as Starting Fusion Middleware Configuration CRACLE_HOME set as /opt/oracle/Oracle/Middlewar LD_LIERARY_PATH set as /opt/oracle/Oracle/Middlewar Starting Oracle Universal Installer	_l/bin> ./config.sh -ignoreSysPrereqs Wizard dleware/as_l e/as_l/bin:/usr/local/bin:/usr/bin:/bin:/usr/ e/Middleware/as_l/lib	/WebLogic /	urace@vosu0//20Hutewareras_room	
Checking Temp space: must be greater tha Checking swap space: must be greater tha Checking monitor: must be configured to Preparing to launch Oracle Universal Ins ntory/logs/install2012-02-02_04-46-54PM.	n 270 MB. Actual 51474 MB Passed n 150 MB. Actual 8189 MB Passed display at least 256 colors. Actual 167777 taller from /tmp/OraInstall2012-02-02_04-46-5 log	216 Passed 54PM. Please waitoracle@Vostr sandDuscoverer11a.Sten7.of13	o1720:~/Oracle/Middleware/as_1/bin> Log: /opt/oracl	.e/oraInve
	Specify Proxy Details			
	<u>Welcome</u> <u>Create Domain</u> <u>Specify Security Updates</u> ① <u>D</u> o Not Use P	roxy Settings		
	Specify Installation Locatio	Ho <u>s</u> t:		
	Configure Ports HTTP Proxy I Specify Proxy Details Bypass prox	y for address:		
	Specify Portlet Schema Specify Application OID			
	Configuration Progress Installation Complete	irovide the details of your HTTP proxy if you do u proxy to gain access to any web service that is no Bypass proxy list".	se one. The It covered	
		a Pack Maye > Elisich		
	Пеф	Elapser	d Time: 2m 18s	
	1	,		≡
Computer Vostro1720	🔁 5-Portal-Config_pic 🔽 Oracle Portal, Forms,		🍙 🛄 🕼 🚔 🧖 Thu Feb 💈	2, 4:49 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

)



8). Specify the Portal Schema as shown below. Click Next to continue.

File Edit View Terminal Tabs Help					
oracle@Vostro1720:~/Desktop	X oracle@∨ostro	1720:Oracle_SW/WebLogic	x oracle@Vo	stro1720:iddleware/as_1/bin	×
oracle@Vostro1720:-/Onacle/Midleware/. Starting Fusion Middleware Configuratic ORACLE_HOME set as /opt/oracle/Oracle/ MATH set as /opt/oracle/Oracle/Middlew DL_IERRAF_PATH set as /opt/oracle/Oracle/Orac Starting Oracle Universal Installer	s_1/bin> ./config.sh .ignoreSysF n Wizard tiddleware/as_1 re/as_1/bin:/usr/local/bin:/usr/ le/Middleware/as_1/lib	Prereqs ′bin:/bin:/usr/bin/Xll:/usr/Xll	R6∕bin:/usr/games:/usr/lib/	mit/bin:/usr/lib/mit/sbin	
Checking Temp space: must be greater th checking way space: must be greater th Checking monitor: must be configured to Preparing to launch Oracle Universal Ir ntory/logs/install2012-02-02_04-46-54PM	an 270 MB. Actual 51474 MB an 150 MB. Actual 8189 MB F display at least 256 colors. staller from /tmp/OraInstall2012 .log	Passed Passed Actual 16777216 Passed 2-02-02_04-46-54PM. Please wait	Step 8 of 13	cle/Middleware/as_1/bin> Log: /	opt/oracle/oraInve
	Specify Schema		CRACLE 118		
	<u>Welcome</u> <u>Create Domain</u> <u>Specify Security Updates</u>	Connect String: E5400-DB.site Format: hostni For Application host1iport1Ah	:1521:orcl ame:port:servicename n Cluster Database: ost2:port2@servicename		
	Specify installation Locatio Configure Components Configure Ports Specify Proxy Details	₽QRTAL Portal Schema: Portal Schema Password:	DEV_PORTAL		
	Specify Schema Specify Portlet Schema Specify Application OlD	✓ DISCOVERER. <u>D</u> iscoverer Schema: Discoverer Schema Password:	DEV_DISCOVERER		
	Configuration Progress Installation Complete		3		
		< ĝack	Next > Einish Cancel Elapsed Time: 3m 23s		=
Computer Vostro1720	5-Portal-Config_pic Oracle	Portal, Forms,		i 🗿 🔽 🕼 🛋 🔽	Thu Feb 2, 4:50 PM 🔀

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.

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oracle@Vostro1720:~/Desktop	⊠ oracle@Vostri	o1720:Oracle_SW/WebLogic	x oracle@	≬Vostro1720:iddleware/as_1/bin	×
oracle@Vostro1720:-/Oracle/Middleware/a Starting Fusion Middleware Configuratio ORACLE_HOME set as /opt/oracle/Middlewa PATH set as /opt/oracle/Middlewa D_LIBRARY_PATH set as /opt/oracle/Nac Starting Oracle Universal Installer	s_1/bin> ./config.sh -ignoreSys n Wizard iddleware/as_1 re/as_1/bin:/usr/local/bin:/usr le/Middleware/as_1/lib	Prereqs /bin:/bin:/usr/bin/X11:/usr/X11	R6/bin:/usr/games:/usr/li	ub/mit/bin:/usr/lib/mit/sbin	
Checking Temp space: must be greater th Checking swap space: must be greater th Checking monitor: must be configured to Preparing to launch Oracle Universal In: ntory/logs/install2012-02-02_04-46-54PM	an 270 MB. Actual 51474 MB an 150 MB. Actual 8189 MB display at least 256 colors. staller from /tmp/oraInstall201 .log Oracle Part	Passed Passed Actual 16777216 Passed 2-02-02_04-46-54PM, Please wait 14. Forms, Reports and Discoverer 110	oracle@Vostro1720:~/(Dracle/Middleware/as_1/bin> Log: /o	pt/oracle/oraInve
	Specify Portlet Sc	hema	URACLE: 118		
	Weicome Create Domain Specify Security Updates Specify Installation Locatio Configure Ports Specify Proxy Details Specify Proxy Details Specify Ported Schema Specify Ported Schema Specify Ported Schema Configuration Progress Installation Complete	PORTLET Portet Schema: Pgriet Schema Password:			
		<gack< td=""><td>Next > Einish Cancel Elapsed Time: 4m</td><td>38</td><td>E</td></gack<>	Next > Einish Cancel Elapsed Time: 4m	38	E
Computer Vostro1720	5-Portal-Config_pic Oracle	Portal, Forms,		🧯 🛄 🕼 🚔 🥅	Thu Feb 2, 4:51 PM 🔛

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



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

File Edit View Terminal Tabs Help			_	
oracle@∨ostro1720:~/Desktop	∝ oracle@Vostro1	720:Oracle_SW/WebLogic	oracle@Vostro1720:iddleware/as_1/bin	×
oracle@Vostro1720:-/Oracle/Middleware/as_1, Starting Fusion Middleware Configuration W ORACLE_HOWE set as /opt/oracle/Voracle/Middleware/ DATH set as /opt/oracle/Instel/Middleware/ LD_LIBRARY_PATH set as /opt/oracle/Middleware/ Starting Oracle Universal Installer	bin> ./config.sh -ignoreSysPr zard eware/as_1 sg_1/bin:/usr/local/bin:/usr/b iddleware/as_1/lib	ereqs bin:/bin:/usr/bin/Xll:/usr/XllR6/bin:/usr/games	:/usr/lib/mit/bin:/usr/lib/mit/sbin	
Checking Temp space: must be greater than : Checking swap space: must be greater than : Checking monitor: must be configured to di Preparing to launch Oracle Universal Insta ntory/logs/install2012-02-02_04-46-54PM.lo]	270 MB. Actual 51474 MB P 50 MB. Actual 8189 MB Pa play at least 256 colors. ler from /tmp/OraInstall2012-	Passed Issed Actual 16777216 Passed 02-02_04-46-54PM. Please waitoracle@Vostro	1720:~/Oracle/Middleware/as_1/bin> Log: /opt/oracle/oraIn	ve
	Specify Applicatio	n OID	- ×	
	Welcome Create Domain Specify Security Updates Specify Security Updates Specify Installation Locatio Configure Components Specify Proxy Details Specify Schema Specify Portlet Schema Specify Application OID Installation Sum ary	Specify Oracle Internet Directory Information Hostname: optiplex960-0ID site Bort: 636 User Name: cn=orcladmin Password: •••••••• Image:		
	Configuration Progress Installation Complete	\$		
	Help	< <u>Back</u> <u>N</u> ext> <u>F</u> inish	Cancel	
		Elapsed "	ime: 5m 28s	=
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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.



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.





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: Vostro1720.site Domain Port No: 7001 User Name: weblogic1 Automatic Port Detection: true Administrator Console: http://Vostro1720.site:7001/console EM Console: http://Vostro1720.site:7001/em EMAgent URL: http://Vostro1720.site:5155/emd/main Portal URL: http://Vostro1720.site:8090/portal/pls/portal Forms URL: http://Vostro1720.site:8090/forms/frmservlet Reports URL: http://Vostro1720.site:8090/reports/rwservlet Discoverer Viewer URL: http://Vostro1720.site:8090/discoverer/viewer Discoverer Plus URL: http://Vostro1720.site:8090/discoverer/plus



Portals, Forms, Reports and Discoverer Post-install Tests

1. Check that all the instance processes are up.

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

Oracle@Vostro1720evvare/asinst_1/bin File Edit View Terminal Tabs Help oracle@Vostro1720/Desktop X oracle@Vostro1720lddleware/as_1/bin X oracle@Vostro1720lddleware/as_1/bin	_ • ×
File Edit View Terminal Tabs Help oracle@Vostro1720:-/Desktop x oracle@Vostro1720:-/Dracle/Middleware/asinst_1/bin> x oracle@Vostro1720:-/Oracle/Middleware/asinst_1/bin> x oracle@Vostro1	×
oracle@Vostro1720:-/Desktop X oracle@Vostro1720iddleware/as_1/bin X oracle@Vostro1720eware/asinst_1/bin oracle@Vostro1720:-/Oracle/Middleware/asinst_1/bin> ./opmnctl status .i Processes in Instance: asinst_1	×
oracle@Vostro1720:-/Oracle/Middleware/asinst_1/bin> ./opmnctl status ·l Processes in Instance: asinst_1	
Processes in Instance: asinst_1	<u> </u>
······································	
ias-component process-type pid status uid memused uptime ports	
emagent_ssinst_1 EMAGENT 1256 Alive 1373807140 12748 0:16:35 N/A ReportSsrver_Uosrol720_sins PapertsSarverComp- 1007 Alive 1373807140 12748 0:16:35 N/A Discovers_ssinst_1 DerivesStarverComp- 000 Alive 1373807138 B0006 0:25:11 N/A Discovers_ssinst_1 DerivesStarverComp- 000 Alive 1373807138 12040 0:25:11 N/A Discovers_ssinst_1 DerivesStarverComp- 000 122:38 N/A N/A Discovers_ssinst_1 DerivesStarverComp- 000 122:38 N/A N/A Discovers_ssinst_1 DerivesStarverComp- 000 12:258 N/A N/A Discovers_ssinst_1 DerivesStarverComp- 000 12:258 N/A N/A Discovers_ssinst_1 Mixe 1373807130 1400 0:25:39 http:st000,http:000 Discovers_ssinst_1 DeS 518 Nive 1373807134 207160 0:25:49 http:st000,ht	304,http_lis



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





Click Server button to check Servers status.

	Sumn	nary of Servers - ClassicDomain1 - V	/LS Console - Mozilla Firefo×				
<u>F</u> ile <u>E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks	Tools Help						
Summary of Servers - ClassicDoma	-\$-						~
vostro1720.site:7001/console/co	:onsole.portal?_nfpb=true&_pageLabel=CoreS	erverServerTablePage		☆ ✔ 🔁	Soogle		🔂 🏠
	Administration Console						Q 🍳
Change Center	🔒 Home Log Out Preferences 🔤 Record H	le lp			Welcome, v	weblogic1 Connected to: C	assicDomain1
View changes and restarts	Home >Summary of Servers						
Click the Lock & Edit button to modify, add or	Summary of Servers						
delete items in this domain.	Configuration Control						
Release Configuration	A server is an instance of WebLogic Server that	t runs in its own Java Virtual Machine (JVM) a	nd has its own configuration.				
Domain Structure	This page summarizes each server that has be	en configured in the current WebLogic Server	domain.				
Classic Domain 1							
Environment Deployments	<u>c</u> 5						
-Services	Customize this table		\$				
☐ Interoperability	Servers (Filtered - More Columns Exist)						
E⊢Diagnostics	Click the Lock & Edit button in the Change Ce	nter to activate all the buttons on this page.					
	New Phote Delete					Showing to 5 of 5. Previo	us Next
	Alone &	Chuster	Mashing	Ptate	Hoalth	Lister Part	
	Admin Server (admin)	Clusici	Vostro1720 site	BUNNING	- Meanin	2001	\sim
		cluster disco	Vostro1720 site	BUNNING	✓ OK	9004	-N
How do L	WLS FORMS	cluster forms	Vostro1720.site	RUNNING	<pre>✓ ok</pre>	9002)
Create Managed Servers	WLS PORTAL	cluster portal	Vostro1720.site	RUNNING	✓ ок	9001	
Clone Servers Delate Manager Servers	WLS_REPORTS	cluster_reports	Vostro1720.site	RUNNING	≪ ок	9003	
Delete the Administration Server	New Clone Delete					Showing 1 to 5 of 5 Previo	us Next
Start and stop servers							
Sustam Statue	J						
Health of Bunning Servers							
Failed (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
UK (5)							~
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c. Access the Enterprise Manager URL:<u>http://<hostname>:<domain_port>/em</u> (if this was selected and installed) and check that the instance is completely up.





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2. Access the EM Agent http://hostname:5155/emd/main , a page as shown below.

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Congratulations, EMAgent is working!

3.Tests for Portal

a. Access the Portals URL <u>http://hostname:< webcache_port>/portal/pls/portal</u>, click Login to continue.

(Note:

Make sure that you were able to ping the Portal...and Discoverer server from the Oracle DB server via console prompt, else edit the hosts file in etc directory and add the IP address with host name of the Portal server.





Type the SSO login details that was supplied during the installation.

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Next, click **Build** on the right-side top and create a Test Pages

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The Test Page will be displayed as shown below.

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Next, add Tab and Image on the page for test.

Screenshot: Tab Properties page as shown below, type Display Name, click OK.

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Oracle Fusion Middleware 11gR1 Certification with SLES 11 SP2

The new tab will be displayed on Test page.

8	Oracle PortalDiscoverer with SLES 11 SP2 - Mozilla Firefox			
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As the pag	ge group administrator, you may	configure the list of availabl	<u>e item types</u> .			Next	Cancel	





Browse for the image on your file system, click **Finish**.

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Item Attributes Use the first field to enter or browse for the image on your file system. Alternatively, use the second field to enter the URL of an image, or reuse an image that has already been uploaded to the portal by entering its internal name (not file name) without a path, for example 1645.GIF. Enter values for any additional item attributes that may appear below.	
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Now, the tab and image displayed on the Test Page as shown below.

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Page group and Page Properties can be edit by click Page Group Properties and Page Properties.

Y	Oracle PortalDiscoverer with SLES 11 SP2 - Mozilla Firefox		_ • ×
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Specify the DOCTVPE to use in the header of Portal pages in this page group. You may have to invalidate cached pages in order to see the changes. Note that browsers may render your content differently when strict doctypes are used, and that some Portal functionality may be lost. Click Help for more information.

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Main / Template / Style / Access / Items / Optional /	Parameters Events		
Edit Page: Oracle PortalDiscoverer with SLES 11 SP2			
	Apply OK Cancel		
Page Properties			
Enter a name, which is used for path-based URLs, as well as a display name, which is displayed to other users. If you wish, enter a description for the page. The description is visible it	if the user has chosen		
to display it in the sub-page links region for the parent page.			
Page Type Standard			
Name Oracle PortalDiscoverer with SLES 11 SP2			
Display Name Oracle PortalDiscoverer with SLES 11 SP2			
Description			=
Page Caching			
Decide whether to cache the structure (definition) of the page, the structure and content, or to not cache the page at all and regenerate it each time it is displayed. Caching data at the single count of it in the cache for all users	system level places a		
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Cache Page Definition and Content at User Level for Minutes			
Cache Page Definition Only at System Level			
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○ Don't Cache			
You may manually clear the cache entries associated with the page by clicking <u>Clear Cache</u> .			
			-
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b. Change the cache levels and add regions to see invalidations happening

To verify "Change the cache levels and add regions to see invalidations happening" follow the below steps,

1). Create a page in any Page Group and set the Page Caching as "Cache Page Definition Only at User Level" in the Page Properties

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Main / Template / Style / Access / Items / Optional / Parameters / Events)	
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Appy OK Cancel		
Page Properties		
Enter a name, which is used for path-based URLs, as well as a display name, which is displayed to other users. If you wish, enter a description for the page. The description is visible if the user has chosen by displayed to be the construction of the page to be accord because the accord because th		
to display k in the sub-page links region for the parent page.		
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Cache Page Deminion only at User Level		
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You may manually clear the cache entries associated with the page by clicking <u>Clear Cache</u> .		
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2). Add any Portlets to the Region, once it got added, click View Page.



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A	dd Portlets				
					OK Cancel
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	Add Portlets To Region Drill down to the appropriate provider, then click the portlet name to add th	e portlet to this region. If you are not sure of the location o	of the portlet in the Portlet R	epository, use the Search fiel	d. The Selected
	portiets are marked with an asterisk, if they currently exist in the region.				
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	Form Portlet				۲
	Create a transactional form against data in an Oracle database.				
	Create or edit content by entering HTML.				
	OmniPortlet Q	Ν			V
	Display data from multiple sources, such as CSV, XML, Databases and Web Services;	; use a variety of layouts, such as charts, forms, tables, and the like;	raise events; accept and		
	use page parameters.				
	Simple Parameter Form				
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	Web Clopping Portlet Clip and reuse dynamic Web content from a variety of sources to build your own dyna	mic pages.			OK Cancel







3). Now copy the URL, and open the URL in a new browser. Append **?_debug=1** at the end of the URL.Web Cache should be displayed as "MISS,NEW[M], File System Cache:- null"





4. Tests for Forms

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



(**Note:** The firefox browser cannot display Forms servlet page, although added java plugin. IE looks good.)





Click OK, the test will be closed.



b. Forms Demo:

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

To find out the Oracle Fusion Middleware webcache port with command, "\$ grep 'WEBCACHE_LISTEN_PORT' \$ORACLE_HOME/install/portlist.ini", the output should be the one displayed as below.





c. Forms Runtime - Listener Servelet:

Invoke Forms Listener Servet from the following URLs: <u>http://machine.domain:webcache_port</u>/forms/frmservlet



Invoke Forms Listener Servlet Admin URL at:

http://machine.domain:webcache_port/forms/frmservlet/admin

<u>F</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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Oracle Fusion Middleware 11g Forms Services

Test servlet engine session support



Click Test servlet engine session support. Then the session details will be displayed as shown below.

Oracle Fusion Middleware 11g Forms Services - Mozilla Firefox × Oracle Fusion Middleware 11g For... ~ 🔹 🔲 vostro1720. site 8090/forms/fmser/let/testSession.jsessionid=952JPq2cZTv1CH0P53JqWVIYkhBHpLL1mRkt2lD2LnGJx7H6G5Rh675811797?ifsess=url 슈 🗙 😫 Google ۵ 🏠

Oracle Fusion Middleware 11g Forms Services

A servlet session is now active. It is being tracked using en_US. Test session data is the integer value:-1533255740. It should remain the same when you click your Browser's Reload or Refresh button. Cookie header = null

Forms Servlet Home Page

3

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d. Forms Generator Test

The file test.fmb should present in "\$ORACLE_HOME/forms". You can copy it to "ORACLE_INSTANCE/bin", then run the command line connection string as shown below.




e. Forms Migration Tool Test

The file test.fmb should present in "\$ORACLE_HOME/forms". You can copy it to "ORACLE_INSTANCE/bin" then run the command line connection string as below:

"ORACLE_INSTANCE/bin/frmplsqlconv.sh module=test.fmb userid=your-oracle-db -username/your-oracle-db-user-password@your-oracle-db-hostname:port/service-name"

Screenshot: By run ./frmplsqlconv.sh , the output as shown below.



SUSE

5. Tests for Reports

a. Check Reports standalone Server:

Type ./opmnctl status -I from the bin folder of ORACLE_INSTANCE. Then Start-restart server.

Screenshot: opmnctl tests

File Edit View Terminal Tabs Help					_				
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oracle@Vostro1720:~/Oracle/Middlev	ware/asinst_1/bin> ./@	opmnctl sta	itus -l						
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b. Access the Reports URL <u>http://Hostname:8090/reports/reservlet</u> , a page as shown below.

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URL for invoking rwservlet command request : http://jourwebserver/yourservletpath/wservleti/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.	
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c. Servlet URL (URL's should show appropriate outputs)

1) Check <u>http://<hostname>:<port>/reports/rwservlet/showenv</u> as shown below.

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Append "showenv?server=<server name>" to the URL. The test page will be displayed as below.



(**Note:** Get Reports standalone Server name: By run ./opmnctl status -I from the bin folder of ORACLE_INSTANCE.

)



2). Check <u>http://<Hostname>:<port>/reports/rwservlet/showjobs</u> as shown below.

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3). Check <u>http://<hostname>:<port>/reports/rwservlet/getserverinfo</u> as shown below.

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





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

Screenshot: Queue command

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oracle@Vostro1720:_config/reports/bin



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6. Tests for Discoverer.

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

Prerequisites:

1). Export the following environment variables in the server 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/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 EULTEST102 -password EULTEST102 -temporary_tablespace TEMP -default_tablespace USERS -log test.log





a. Tests for Discoverer Plus

Access to Discoverer Plus and click 'Create Connection' button to create a connection for test.

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<u>Connect Directly</u>			
Connect to Oracle BI Discoverer			
To connect to Oracle Bl Discoverer, click on a connection name or enter	vour connection details directly		
Choose Connection	,		
		Create Connection	
Details Connection	Description	Update Delete	
Compared Direction			
Enter your connection details below to connect directly to Oracle BI	Discoverer.	N Return to lop	
* Indicates required field.			
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Copyright (c)2000, 2010 Oracle Corporation. All rights reserved. About Oracle BLDiscoverer Plus Version 11 1 1 3 0	and and a second s		
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Type the connection details and click **Apply**. (**Note:** For "Account Details", give the above username & password (mentioned in Prerequisites step 2))

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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 a this connection before proceeding.	n optional description and locale. Enter the account details for (Cancel (Apply)) Apply and Connect	
Connection Details		
* Indicates required field.		
Connect To Oracle BI Discoverer		
* Name Discoverer Test on SLES 11 SP2		
Description		
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* User Name EULTEST102		
* Password		
* Database E5400-DB.site:1521/orcl		
VIP You will be prompted to select an End User Layer and/or an Applications Responsibility if more than one exists.		
	Cancel (Apply) (Apply and Connect)	
Copyright (c)2000, 2010 Oracle Corporation, All rights reserved.		
About Oracle Bi Discoverer Plus Version 11.1.1.3.0 Oracle Technology Network		
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(**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**.)

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



Creating a workbook for test.

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Save the Workbook as 'Workbook 1 - Test101'

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 SP2" to continue.

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Worksheet List page will be displayed as shown below. Click **'sheet 1'** to view the sheet which was created by Plus connection just now.





c. Disco Portlet Provider link should be accessible

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



Environment : Portal, Forms, Reports, and Discoverer : 11.1.1.2.0 (x86_64) Portal, Forms, Reports, and Discoverer : 11.1.1.3.0 (x86_64) Database : 11.2.0.1.0 (x86_64) OS : SLES 11 SP2 RC3 (x86_64)

End.

