Oracle Fusion Middleware 11gR2: Forms, and Reports (11.1.2.0.0) Certification with SUSE Linux Enterprise Server 11 SP2 (GM) – x86_64



http://www.suse.com

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Introduction

This documentation provides the details for validate Oracle Fusion Middleware 11gR2: Forms and Reports (11.1.2.0.0) 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 GM (x86_64) (<u>http://download.suse.de/install</u>)

Oracle

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

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

• Oracle Forms and Reports 11gR2 11.1.2.0.0 (x86_64) (http://www.oracle.com/technetwork/developer-tools/forms/downloads/index.html)



Special Startup Requirements

• Change the value of SHMMAX to 4294967295 by including the following line in /etc/sysctl.conf:

kernel.shmmax = 4294967295

• Activate the new SHMMAX setting by running the command:

/sbin/sysctl -p

• Checking the Open File Limit:

ulimit -n

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

* soft nofile 2048 * hard nofile 2048

Change the values from 2048 to 4096, then reboot the machine.



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 GM(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.

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Screenshot: Installing Openmotif Library

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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

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2. Oracle Internet Directory 10.1.4.0.1 and Patchset 10.1.4.3 Installation

2-1. Login to a separate SLES10 SP2 (32-bit) OS as a non-admin user, then download Oracle Internet Directory from <u>http://www.oracle.com/technetwork/middleware/ias/downloads/101401-099957.html</u> and Patchset from <u>https://support.oracle.com</u>

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

2-2. 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 (http://optiplex960-oid.site:1156/emd/console)

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3. Java Installation

3-1. 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: (http://www.oracle.com/technetwork/java/javase/downloads/index.html)

3-2. Chmod +x jdk-6u29-linux-x64.bin, then execute for JDK installation.

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

Screenshot: Java installstion info





4. Oracle WebLogic Server Installation

4-1. Login as the same non-admin user which was used for Java installation.

4-2. Downlaod Oracle WebLogic 10.3.5 generic installer from: (http://www.oracle.com/technetwork/middleware/downloads/fmw-11-download-092893.html)

4-3. 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.

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	Welcome This installer will guide you through the installar WebLogic 10.3.5.0	tion of	ILE'	
		uctions the Next button to proceed to the next screen. If y ange entries in a previous screen, click the Previou in. You may quit the installer at any time by clicking button.	/ou want s g the	×
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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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3). Register your email ID for security updates (optional).

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4). Choose the Install Type as "Typical". Click Next to continue.

5). JDK location will be selected, click **Next** to continue.

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6). Provide the directories where you wish to install the product.

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oracle@Vostro1720:~/V1720_Oracle_SW/WebLogic> java Extracting 0%	.jar wls1035_ganeric.jar	100%	
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	Choose Product Installation Directories Provide the directories where you wish to install WebLogic 10.3.5.0.	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:	components for which unique	
	/opt/oracle/Oracle/Middleware/wiserver_10.3	Browse	
	Oracle Coherence:		
	/opt/oracle/Oracle/Middleware/coherence_3.6	Browse	
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7). Installation summary will be listed, click **Next** to continue.

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		WebLogic Server Gore Application Server WebLogic SCA WebLogic SCA Gore Arry JDBC Drivers Gore Arry JDBC Drivers Gore Clients Gore WebLogic Server Clients Gore WebLogic Server Clients Gore WebLogic Server Plugins Gore WebLogic Web Server Plugins Gore Model Server Plugins Gore Model Server Support Gore Server Server Server Support Gore Server	Description Implements JEE technologies, Web leading Internet standards, to prov for highly available, scalable, and s	services, and other dide a reliable framework ecure applications.		
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9). The "Installation Complete" message will be displayed. Click **Done** and close the installation. (Enabling"Run Quickstart" is optional).

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		2	Oracle Installer - WebLogic 10.3.5.0	_ ×		
		Installation Comple Click the Done button to e:	te cit the installer.	ORACLE		
		ORACLO	Message Congratulations! Installation is com	plete.		
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Installing and Configuring Oracle Forms and Reports 11gR2

1. Login to the SLES 11 SP2 64-bit OS(Testing Machine which Forms and Reports 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 Oracle Forms and Reports 11gR2 11.1.2.0.0,

ofm_frmrpts_linux_11.1.2.0.0_64_disk1_1of1.zip

from the URL:(http://www.oracle.com/technetwork/developer-tools/forms/downloads/index.html)

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

(**Note:** Enable OID server, Forms and Reports server known each other by using Hostname before the installing.)



Install Flow:

1). Specify Inventory direct	ctory will be prompted				
l≊ File Edit View Terminal Tabs Help	oracle@Vo	stro1720:2-11.1.2.0.0/Disk1			_ • ×
oracle@Vostro1720:~/Desktop	oracle@Vostro1720:2-11.1	2.0.0/Disk1	× oracle@∨	ostro1720:Oracle_SW/WebLogic	×
oracle@Vostro1720:~/V1720_Oracle_SW/Oracle_F Starting Oracle Universal Installer	Forms_and_Reports_llgR2-ll.l.2.0.0/Dis	kl> ./runInstaller -ignoreSy	vsprereqs		
Checking Temp space: must be greater than 22 Checking swap space: must be greater than 50 Checking monitor: must be configured to disp Preparing to launch Oracle Universal Install 2.0.0/Diskl>	70 MB. Actual 59440 MB Passed 00 MB. Actual 8189 MB Passed 1ay at least 255 colors. Actual 16 er from /tmp/OraInstall2012-02-23_03-	777216 Passed 30-15PM. Please waitorac	le@Vostro1720:~/V1	720_Oracle_SW/Oracle_Forms_and_F	Weports_11gR2-11.1.
	S Oracl	e Forms and Reports 11g R2		×	
	Specify Inventory direct			g	
	You are starting your first installation on thi installer files. This is called the "inventory dir up subdirectories for each product to contai Enter the full path of the inventory directory. You can specify an Operating System group	: host. As part of this install, you need to ectory". Within the inventory directory, th i inventory data and will consume typicall that has write permissions to the above di	specify a directory for e installer automatically sets ly 150 Kilobytes per product rectory		
	Inventory Directory:	/opt/oracle/oralnventory	<u>B</u> rowse	▶	
	Operating <u>S</u> ystem Group name:	oinstall	•		
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(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 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 OID server and Forms...Reports server know each other by Hostname.

)



4). 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.



5). Selecting the Installation Type as shown below.

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oracle@Vostro1720:-/Vl7 Starting Oracle Univers Checking Temp space: m Checking monitor: must Preparing to launch Ora racle/oraInventory/logs	<pre>(20_cracle_SM/Portal/11.1.1. ial Installer ist be greater than 270 MB. ist be greater than 500 MB. be configured to display at icle Universal Installer fro //install2012-02-02_04-16-06</pre>	2.0/Diskl> ./runInstal Actual 55927 MB f Actual 8189 MB Pa : least 256 colors. m /tmp/OraInstall2012: PM.log	ller -ignoreSysPrereqs Passed assed Actual 16777216 Passed ACtual 16777216 Please waitoracle@\ 02-02_04-16-06PM. Please waitoracle@\	/ostro1720:~/V1720_	Oracle_SW/Portal/11.1.1.2.0/	∽ Diskl> Log: /opt/o
		Select Installation	Туре	CLE. 118		
	م ارز د د د	Welcome Install Only Specify Installation Locatio Specify Security Updates Installation Summary Installation Frogress	 Install and Configure Installs binaries in an ORACLE HOME and configures v Instance in an INSTANCE HOME. 	vorking		
		Installation Complete	O Install Sgfware - Do Not Configure Before these installed components will work, they mus by running the configuration wizard.	t be configured		
			Installs software only. After installation is complete, us bin directory in ORACLE HOME to configure working in Installed components.	e config.sh from istances of these		
		Help	< <u>Back</u> Next > E	nish Cancel		
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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.

Click Next to continue.

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Checking Temp space: must be greater Checking swap space: must be greater Checking monitor: must be configured Preparing to launch Oracle Universal racle/oralnventory/logs/install2012-0	than 270 MB. Actual 55927 MB than 500 MB. Actual 8189 MB to display at least 256 colors. Installer from /tmp/OraInstall201 2-02_04-16-065M.log	Passed Passed Actual 16777216 Passed 2-02-02_04-16-06PM. Please waitc	pracle@Vostro1720:~/V1720_Oracle_SW/Portal/11.1.1.	2.0/Diskl> Log: /opt/o
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	Velcome Install Only Specify Installation Locati			
	installation Complete	Oracle Middleware Home: /oracle/Oracle/Mic Oracle Home Directory: as_1	idleware Browse	
		The WebLogic Server must already be install Home.	ed in the same Middleware	
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6). Specify the Installation Locations as shown below, click **Next** to continue.

The following table describes the fields on this screen:

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:

1). 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). 2). 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.

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 <code>wlserver_10.3</code>.

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.

By default, this directory will be created inside the Middleware home but you can choose any location on your system.

• 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.

7). Configuration Type, Specify the configuration type you want to use for your installation.





• Configure For Deployment

Select this option to install and configure Oracle Forms and Reports. Oracle HTTP Server and Oracle Enterprise Manager are included.

Configure For Development

Select this option to install and configure Oracle Forms and Reports. Oracle HTTP Server and Oracle Enterprise Manager are not included.

(NOTE: This option is not supported for use as a production application environment.)

8). Select Domain. Select Create Domain to create a new WebLogic Server domain.

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oracle@Vostro1720:~/V1720_Oracle_SW/Oracle_Form Starting Oracle Universal Installer	s_and_Reports_11gR2-11.1	2.0.0/Diskl> ./runInst	aller -ignoreSysprereqs		^
Checking Temp space: must be greater than 270 M Checking swap space: must be greater than 500 M Checking monitor: must be configured to display Preparing to launch Oracle Universal Installer 2.0.0/Disk1> Log: /opt/oracle/oraInventory/logs	B. Actual 59440 MB B. Actual 8189 MB at Least 256 colors. from /tmp/OraInstall2012 /install2012-02-23_03-30	Passed ^a assed Actual 16777216 Pas 2-02-23_03-30-15PM. Plea -15PM.log	ssed sse waitoracle@Vostro1720:~/V1720)_Oracle_SW/Oracle_Forms_and_F	Weports_11gR2-11.1.
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			Elapsed Time: 15m 49s		
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Computer Vostro1720 Oracl	e Forms and Re			o) i k	

• User Name Specify the user name.

The default user name is weblogic.

User Password Specify the user password.

Valid passwords are 8 to 30 characters long, must begin with an alphabetic character, use only alphanumeric, underscore (_), dollar (\$) or pound (#) characters. It should contain at least one numeric, underscore (_), dollar (\$), or pound (#) character.

Confirm Password

Re-enter the user password.

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.

Domain Location

Specify the location where you want to create your new domain. If you do not specify a location, the domain will be created in the following location:

On Linux operating systems: MW_HOME/user_projects/domains/domain_name

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

III File Edit View Terminal Tabs Help	oracle	@Vostro1720: /11.1.1.2.0/Disk1		_ = ×
oracle@Vostro1720:~/Desktop	oracle@Vostro1720:O)racle_SW/WebLogic	oracle@Vostro1720:l/11.1.1.2.0/Disk1	×
oracle@vostro1720:-/V1720_Oracle_SW/Po Starting Oracle Universal Installer 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 Ir racle/oraInventory/logs/install2012-02	tal/11.1.1.2.0/Diskl> ./runInstaller -: an 270 MB. Actual 55927 MB Passed an 500 MB. Actual 8189 MB Passed of display at least 256 colors. Actual istaller from /tmp/oraInstall2012-02-02 02_04-16-069M.log	ignoreSysPrereqs l 16777216 Passed _04-16-06PM. Please waitord	acle@Vostro1720:~/V1720_Oracle_SW/Portal/1	1.1.1.2.0/Disk1> Log: /opt/o
	Specify Security Update Welcome Install Only Specify Installation Locatio Specify Security Update and initi Specify Installation Locatio Installation Summary Installation Progress Installation Complete Help	s. Reports and Discoverent 1g - Step 4 23 23 24 25 25 25 26 26 27 27 27 27 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	y issues, install the product y issues, install the product use your My Oracle ss/username. pport Emish Cancel Flapsed Time: 3m 295	
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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.)

10). Configure Components. This screen shows the products and components that are available for configuration. What appears on this screen depends on what you selected on the **Configuration Type** and **Select Domain**. Click **Next** to continue.





11). Configuration Port as shown below. Select **Auto Port Configuration** if you want the installer to automatically assign the default ports to the components. Click **Next** to continue.

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File Edit Vie	w Terminal Tabs Help 720:~/Desktop	₩ oracle@Vostro	1720:2-11.1.2.0.0/Disk1		1720: Oracle SW/WebLogic	×
oracle@Vostn Starting Ora Checking Ter Checking swa Checking more Preparing to 2.0.0/Disk1:	oj720:-//1720_Oracle_SW/O cle Universal Installer p space: must be greater p space: must be greater intor: must be configured launch Oracle Universal Log: /opt/oracle/oraInve	racle_Forms_and_Reports_llgR2-11.1 than 270 MB. Actual 59440 MB than 500 MB. Actual 8189 MB P to display at least 256 colors. Installer from /tmp/OraInstall2012 ntory/logs/install2012-02-23_03-30	.2.0.0/Diskl> ./runInstaller Passed assed Actual 16777216 Passed -02-23_03-30-15PM. Please wai -15PM.log	<pre>ignoreSysprereqs toracle@Vostro1720:~/V1720_ </pre>	Oracle_SW/Oracle_Forms_and_	Reports_11gR2-11.1.
		Configure Ports	Auto Port Configuration Specify Ports using Configuration Elle name: //opt/oracle/staticpor View/Edn File	It CRACLE TUSON MIDDLEWARE 118		
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(**Note:** 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.



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	*
oracle@Vostro1720:/Desktop 🕺 oracle@Vostro1720:2-11.1.2.0.0/Disk1 X oracle@Vostro1720:Oracle_SW/WebLogic	
oracle@Vostro1720:-/V1720_Oracle_SW/Oracle_Forms_and_Reports_11gR2-11.1.2.0.0/Disk1> ./runInstaller -ignoreSysprereqs Starting Oracle Universal Installer	
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Oracle Forms and Reports 11 g R2 - Step 10 of 16 _ X	
Proxy Details	
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(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

)



13). Application Identity Store. Select **Use Application Identity Store** to configure your components for use with an Oracle Internet Directory server. Click **Next** to continue.



• Hostname

Enter the host name of your Oracle Internet Directory server.

Port

Enter the port number of your Oracle Internet Directory 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 Oracle Internet Directory user name with superuser privileges. The default user name is cn=orcladmin.

Password

Enter the Oracle Internet Directory user password.

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



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oracle@Vostro1720:~/V1720_Oracle_SW/Oracle Starting Oracle Universal Installer	_Forms_and_Reports_11gR2-11.1.	2.0.0/Disk1> ./runInstaller -igno	reSysprereqs	
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	Access Control	-0-	EVISION MIDDLEWARE	
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14). Access Control as shown below, click Next to continue

Hostname

Enter the host name where your Oracle Access Manager server is running.

Port

Enter the port number of your Oracle Access Manager server.

User Name

Enter the Oracle Access Manager Administrator user name.

Password

Enter the Oracle Access Manager Administrator user password.

Select **Use Oracle Access Manager** to configure Oracle Access Manager as the tool to perform authentication.

Select **Use Oracle Single Sign-On** to configure your existing Oracle Single Sign-On as the tool to perform authentication. If you select this option, you will not need to fill out any additional credentials as the Oracle Internet Directory credentials provided on the **Application Identity Store** screen will be used.



15). Installation Summary will be displayed. Save the summary click **OK** then click **Install** to continue.

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							Welcome Software Upd Install and Co Installation Li Configure Fo Security Updi Configure Co Configure Po Proxy Details Application Id	Aates onfigure ocation ir Deploym in ates omponents irts i dentity Stor		Spec Oracle Forms and Reports Installation Decorary Details Middleware Home Location: /opt/oracle/Oracle/Middleware/ Oracle Intance: /opt/oracle/Oracle/Middleware/ Domain Location:/opt/oracle/Oracle/Middleware/user_ Domain Location:/opt/oracle/Oracle/Diddleware/user_ Domain Location:/opt/oracle/Oracle/Middleware/user_ Domain Location:/opt/oracle/Oracle/Diddleware/user_ Domain Location:/opt/oracle/Oracle/Diddleware/user_ Domain Location:/opt/oracle/Diddleware/user_ Disk Space Reported Applications Reported Provide Space Reported File: Space	are Oracle_FRH _1 projects/do Resp Successfully of /opt/oracle/F	onse File Message reated the response file at orms-and-Reports_Installation_Si	um mary OK		
							Access Contr Installation 9 Installation Pi Help	summary rogress	Click To ch the le	k justali to accept this configuration and start the installation. hange the configuration before the installation, select the topic left pane, or use the <u>Back button</u> . (Install Elapsi	to change in Cancel ed Time: 22m 4s			*	=
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Review information on this screen carefully, and take one of the following actions:

- If you want to make any changes to the configuration before starting the installation, use the navigation pane to select the Installer screen you want to return to and edit.
- If you are satisfied with the information, click **Install** to begin the installation procedure.
- If you want to save this configuration to a text file (called a response file), click **Save**. The resulting response file can be used later if you choose to perform the same installation from the command line.



- - -

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16). Installation Progress. This screen shows you the progress of the installation.

If you are installing on a LINUX system, you may be asked to run the **ORACLE_HOME/oracleRoot.sh** script as root user before the installation is completed:

This script sets up the proper permissions for the files and directories being installed.

If you want to quit before the installation is completed, click **Cancel**. Doing so will result in a partial installation; the portion of the software that was installed on your system before you click **Cancel** will remain on your system, and you will have to remove it manually.

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



17). Configuration Progress. This screen shows you the progress of the component configuration.



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.



18). Installation Complete. This screen 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.

(Note:

This summary information does not appear on the Installation Complete screen if you chose **Install Software - Do Not Configure** on the **Installation Type**.

)

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 Finish to dismiss the screen.



The Oracle Forms and Reports 11gR2 installation and configuration are completed, a installation configuration file as following:

Type: Oracle Forms and Reports Installation

Configuration Options

Middleware Home Location: /opt/oracle/Oracle/Middleware Oracle Home Location: /opt/oracle/Oracle/Middleware/Oracle FRHome1 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 Forms URL: http://Vostro1720.site:8888/forms/frmservlet Reports URL: http://Vostro1720.site:8888/reports/rwservlet



Oracle Forms and Reports 11gR2 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.

Screenshot: c	opmnctl s	tatus									
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Processes in Instance: as											
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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.

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vostro1720.site:7001/console/co	onsole.portal?_nfpb=true&_pageLabel=CoreServe	rServerTablePage		☆ 🗙 🚼 🖌 G	oogle 🔍 🏠				
${\mathbb Q}$ Mozilla Firefox is free and open source	software from the non-profit Mozilla Foundation.				Know your rights 🗶				
ORACLE WebLogic Server®	Administration Console				<u> </u>				
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View changes and restarts	Home >Summary of Servers								
Click the Lock & Edit button to modify, add or delate items in this domain	Summary of Servers								
Lock & Edit	Configuration Control								
Release Configuration	A convertis an instance of Webl cals. Somer that run	e in its own, Jown Virtual Machine (IVM) and h	as its own configuration						
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Delete the Administration Server									
 Start and stop servers 									
System Status									
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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.





EM Home Page Farm_ClassicDomain1 (Oracle Fusion Middleware Farm) - Oracle Enterprise Manager (weblogic1) - Mozilla Firefox 🗍 Summary of Servers - ClassicDo... 🗶 🏳 Farm_ClassicDomain1 (Oracle ... 🗶 🗣 👙 🔲 vostro1720. site-7001/em/faces/as/as/wiFarmHome?target=Farm_ClassicDomain1&type=oracle_las_farm&_aftLoop=7170208629706#%40%3F_aftLoop%3D7170201 🗇 😥 🚺 🚱 Google ۵ 🏠 ORACLE Enterprise Manager 11g Fusion Middleware Control Setup + Help + Log Out 📑 Farm 🚽 🔒 Topology Logged in as weblogic1 Farm ClassicDomain1 Farm ClassicDomain1 Application Deployments Internal Applications DMS Application(11.1.1.0) (AdminServer) DMS Application(11.1.1.0) (WLS_FORMS) DMS Application(11.1.1.0) (WLS_FORMS) MonJZEEManagement(11.1.1) (MiniServer) FMW Webcome Page Application(11.1.0.0.0) (AdminServer) Webudy EMSA (WLS_FORMS) Tormscordigmbases (UklSF_FORMS) Storms Page Refreshed Feb 23, 2012 4:37:57 PM GMT+08:00 Q Deployments () E Fusion Middleware ۰. ■Up (7) ■^{Up}(11) Status Target CPU Usage (%) Name Status Host Application Deployme WebLogic Domain Cassic Domain Cassic Domain1 Cassic Domain1 Cassic Domain1 Cassic Domain1 Cassic Domain1 Internal Applications Internal Applications formsapp(11.1.2) formsapp(11.1.2) formsconfigmbeans cluster_forms Vostro1720.site WLS_FORMS 00000 0000 WLS_FORMS Vostro1720 site Contract for the second WLS_FORMS WLS_REPORTS Vostro1720.site 😑 🚞 Forms Heports Poports forms û Vostro1720.site reports reports(11.1.2) (WLS_REPORTS) ReportsTools RtSvr_Vostro1720_asinst_1 û Vostro1720.site Vostro1720.site Û Vostro1720.site 0.00 🖃 🚞 Web Tier $\widehat{\mathbf{h}}$ Ca ohs 1 Vostro1720.site 0.00 E Farm Resource Center (i) -Before You Begin (2) Introduction to Oracle Fusion Middleware (2) Understanding Key Oracle Fusion Middleware Farm Concepts (2) Overview of Oracle Fusion Middleware Administration Tools Тур cal Administration Tasks y press Auministration Tasks ② Getting Starled Using Oracle Enterprise Manager Fusion Middleware Control ③ Navigating Within Fusion Middleware Control 2 📃 Computer 🛛 😰 Vostro1720 📝 Forms-and-Reports_I...) 🥹 Farm_ClassicDomain... 🕼 🥃 💹 🖾 😻 👘 Thu Feb 23, 4:39 PM 🞇

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





3. 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 Forms and Reports listened ports with command, "\$ cat \$ORACLE_HOME/install/portlist.ini", the output should be the one displayed as below.

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



A servlet session is now active. It is being tracked using en_US. Test session data is the integer value:266233515. It should remain the same when you click your Browser's Reload or Refresh button. Cookie header = null

Forms Servlet Home Page

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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.

(Note: For this test needs to enable Forms and Reports server known DB Server by using Hostname.)

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.

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4. 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

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oracle@Vostro1720:~/Oracle/Middle	ware/asinst_l/bin> ./	opmnctl st	atus -l							^
Processes in Instance: asinst_1										
ias-component	process-type	pid	status	uid uid	memused		ports			
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Processes in Instance: asinst_1										
ias-component			status	uid uid	memused		+			
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oracle@Vostro1720:~/Oracle/Middle Processes in Instance: asinst_l	ware/asinst_l/bin> ./	opmnctl sta	atus -l							
ias-component			status	uid uid	memused		+ ports			
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ohsl	OHS	111/1	Alive	1982606153	142748	0:52:54	https:8889,https:8890,http:	: 8888		
oracle@Vostro1720:-/Oracle/Middle	ware/asinst_l/bin>									=
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b. Access the Reports URL: <u>http://Hostname:8090/reports/reservlet</u> , a page appears as shown below.

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vostro1720.site 8888/reports/rwservlet	☆✔ 🗐 🚰✔ Google	۵ 🏠
ORACLE Reports Oracle Reports Services - Servlet Command Help		?) Help
URL for invoking rwserviet command request : http://you/webserver/you/serviet/path/wserviet/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 reservlet, 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 • help • showens • showaps • showapid • showapid • lightid • parsequery • showapit • defauth • defauth • getselver • Killengine	n file.	
Copyright (c) 2000-2011, Oracle. All rights reserved.		
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c. Servlet URL (URL's should show appropriate outputs)

1) Check URL <u>http://<hostname>:<port>/reports/rwservlet/showenv</u>. Enter your Single Sign-On user name and password to sign in.

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	Sign In				
	Enter your single sign-on user name and password to sign in.				
	User Name orcladmin				
	Password				
			OK Cancel		
	Unauthorized use of this site is prohibited and may subject you to civil and criminal prosecution. Copyright © 1999, 2008 Oracle. All rights reserved.				
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The Servlet Environment will be displayed as shown below.

V	Oracle Reports Services - Service - Mo		
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REMOTE HOST REMOTE_ADDR REMOTE_USER AUTH_TYPE PATH_INFO QUERY_STRING PATH_TRANSLATED CONTENT_TYPE HTTP_COOKIE AUTHORIZATION USER-AGENT REMOTE_DENT REFERER	Vostrol 720.site 192.168.1.13 ORCLADNIN undefined undefined undefined Undefined OHS-Vostrol 720.site- 8888=3E1205D4B31 F6EC69605 C58854846DB7632A593F1 D66 C97D75 CE9F91 442D9EE2E7 C574FA417 undefined Mozilia.5.0 (C11; Linux x86_64; rv:10.0) Gecko/20100101 Firefox/10.0 undefined htp://optiplex5960-oid.site:7777/sso/pages/login.jsp	*AA932B7B5EACD8DEE21BC78434D5736CBF08DCFB78DA64A12D0238FB4D6B9591998F597869CBD797DE	5
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Append "showenv?server=<server name>" to the URL. The test page will be displayed as below.

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SERVER_NAME SERVER_PORT SCRIPT_NAME SERVER_PROTOCOL SERVER_SOFTWARE GATEWAY_INTERFACE SERVER_PORT_SECURE ACCEPT REQUEST METHOD	vostro1720.site 8888 /rwservlet HTTP/1.1 undefined undefined text/html,application GET	ı/xhtml+xml,application/xml;q=0.9,*	∕r;q=0.8			
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(Note: Get R	enorte eta	Indalona Sarvar	name [,] Ry run /o	nmnetl status	_I trom the hin folder	ot

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

2). Check URL:<u>http://<Hostname>:<port>/reports/rwservlet/showjobs</u>, a page appears as shown below.

Secury Queue Status Secury Queue Status Secury Queue Status Using under Groupsed or scheduled jub, click on the space into the specific jub. Then click on Cancel Job butter in next page to get a cached natput of a successivity intoled past jub, click on the sjob have hyperink of the jub of the specific jub. Then click on Cancel Job butter in next page to get a cached natput of a successivity intoled past jub, click on the sjob have hyperink of the jub of the specific jub. Then click on Cancel Job butter in next page to get a cached natput of a successivity intoled past jub, click on the sjob have hyperink of the jub of the specific jub of the sp
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bit bit Nome Job Type Job Name Job Status Job Owner Output Type Output Name Server Name Queued At Status At Computer I Vostro 1720 Forms-and-Reports Oracle Reports Server. To the URL. The test page will be displayed as shown below Defense Servers Server Manne I Servers Server Manne I Vostro 1720 I Vostro 1720 I Vostro 1720 Forms-and-Reports Oracle Reports Server. I Vostro 1720
Computer Vostro 1720 reme-and-Reports I Conce Reports Service Vostro 1720 annot I Pete 23, 523 P Append "showjobs?server= <server name="">" to the URL. The test page will be displayed as shown below Dracle Reports Services Serviel-Mostline Firefox Elie Elit Verw Higtory Bookmarks Tools Help Oracle Reports Services Serviel-Mostline Firefox Elie Set Verw Higtory Bookmarks Tools Help Oracle Reports Services Serviel-Mostline Firefox Elie Set Verw Higtory Bookmarks Tools Help Oracle Reports Services Serviel - Mostline Firefox Elie Set Verw Higtory Bookmarks Tools Help Oracle Reports Services Serviel - Mostline Firefox Elie Set Verw Higtory Bookmarks Tools Help Oracle Reports Services - Serviel - Mostline Firefox Concerter Concerter</server>
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Computer Vostro1720 Forms-and-Reports_I Oracle Reports Services - Servier Thu Feb 23, 523 F Computer Thu Feb 23, 523 F Thu Feb 23, 523
Append "showjobs?server= <server name="">" to the URL.The test page will be displayed as shown below oracle Reports Service's Ser</server>
Append "Snowjobs ?Server= <server name="">" to the URL. The test page will be displayed as shown belt Oracle Reports Services- Serviet - Mostlia Firefox - Elle Edit View Higtory Bookmarks Tools Help Oracle Reports Services - Serviet - () vostro1720 site 8888/reports/wserviet/showjobs7server=RptSvr_Vostro1720_asinst_1 - CRACLE: Reports - Reports -</server>
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Image: workpoints/twservlet/showpobs?server=RptSvr_Vostro1720_asinst_1 Image: Workpoints/twservlet/showpobs?server=RptSvr_Vostro1720_asinst_1 Image: Workpoints/twservlet/showpobs?server=RptSvr_Vostro1720_asinst_1 Image: Workpoints/twservlet/showpobs?server=RptSvr_Vostro1720_asinst_1
Reports
Reports Server Queue Status Security Mode Secure Queue on server RptSvr_Vostro1720_asinst_1, on Thu Feb 23 17:24:00 GMT+08:00 2012 To kill a current (enqueued or scheduled) job, click on the status icon for the specific job. Then click on Cancel Job button in next page. To get a cached output of a successfully finished past job, click on the Job Name hyperlink of that job (if available)
View Past Jobs 0 00
Result
Job ID Master JobID Job Type Job Name Job Status Job Owner Output Type Output Name Server Name Queued At Started At Finished At None
Copyright (c) 2000-2011, Oracle. All rights reserved.

3). Check URL:<u>http://<hostname>:<port>/reports/rwservlet/getserverinfo</u>, the page appears as shown below.

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Oracle Reports	Services - Servlet	\$								~
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Engine				Job Running	Idle Time		Life Remaining	Total Running	Total Idle 1	<u>o lop</u> Time
Name	Process Id	Status	Running Job ID	Time (ms)	(seconds)	Jobs Run	(jobs) NLS	Time (seconds)	(min	utes)
rwEng-0	14295	Ready	n/a	n/a	699	0	50 AMERICAN_AMERICA_WE8IS08859P1	0		11
Copyright (c) 2000-201	1, Oracle. All rights reserved.				Help					
💻 Computer	Vostro1720	(Form	ns-and-Reports_I	Ø Oracle Reports Ser	vic		q) 🗟 🔜 🙆	Thu F	eb 23, 5:24 PI	м 🖾

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

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Oracle Reports S	Services - Servlet	4							~
vostro17	20. site:8888/reports/rw	servlet/getserverinfo?s	server=RptSvr_Vostro17	20_asinst_1			☆✔ 😂 🚼✔ Google		۵ 🏠
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Engine									🔕 <u>Return to Top</u>
Name	Process Id	Status	Running Job ID	Job Running Time (ms)	(seconds)	Jobs Run	Lite Remaining (jobs) NLS	Time (seconds)	(minutes)
rwEng-0	14135	Ready	n/a	n/a	836	0	50 AMERICAN_AMERICA.WE8IS08859P1	0	13
Copyright (c) 2000-201	1, Oracle. All rights reserve	d.			<u>Help</u>				
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d. Queue (Jobs should be displayed in the window) Test

Screenshot: Queue command

Environment :

Oracle Forms and Reports 11gR2 11.1.2.0.0 (x86_64) Database : 11.2.0.1.0 (x86_64) Oracle Internet Directory 10.1.4.0.1 and Patchset 10.1.4.3 (x86_64) OS : SLES 11 SP2 GM (x86_64)

End.

