

# Installation Guide

## Oracle Enterprise Manager Cloud Control 12c on OEL 5.7 x86-64

This document contains a step-by-step guide on how to install Oracle Enterprise Manager Cloud Control 12c. Installation of Oracle Enterprise Linux and RDBMS Repository Database is not covered.

The installation takes around 120 minutes and can be accomplished on a system with 5 GB RAM.

For production systems, I recommend 8 GB of memory and at least 4 CPU Cores. For production systems, please also check for certification of OS and RDBMS release with Cloud Control 12c. At the time of this writing, OEL6 is not certified. Neither is RDBMS Release 11.2.0.3. However, it should only be a matter of weeks until both is certified.

### 1) Operating System Requirements

Check that RPM packages listed in Installation Guide are installed:

[http://download.oracle.com/docs/cd/E24628\\_01/install.121/e22624/preinstall\\_req\\_packages.htm#CHDEHHCA](http://download.oracle.com/docs/cd/E24628_01/install.121/e22624/preinstall_req_packages.htm#CHDEHHCA)

### 2) Database Preparations

Set database initialization parameters to values from Installation Guide:

[http://download.oracle.com/docs/cd/E24628\\_01/install.121/e22624/appdx\\_about\\_emprereqkit.htm#CIHCCJII](http://download.oracle.com/docs/cd/E24628_01/install.121/e22624/appdx_about_emprereqkit.htm#CIHCCJII)

### 3) Installation Enterprise Manager Cloud Control 12c

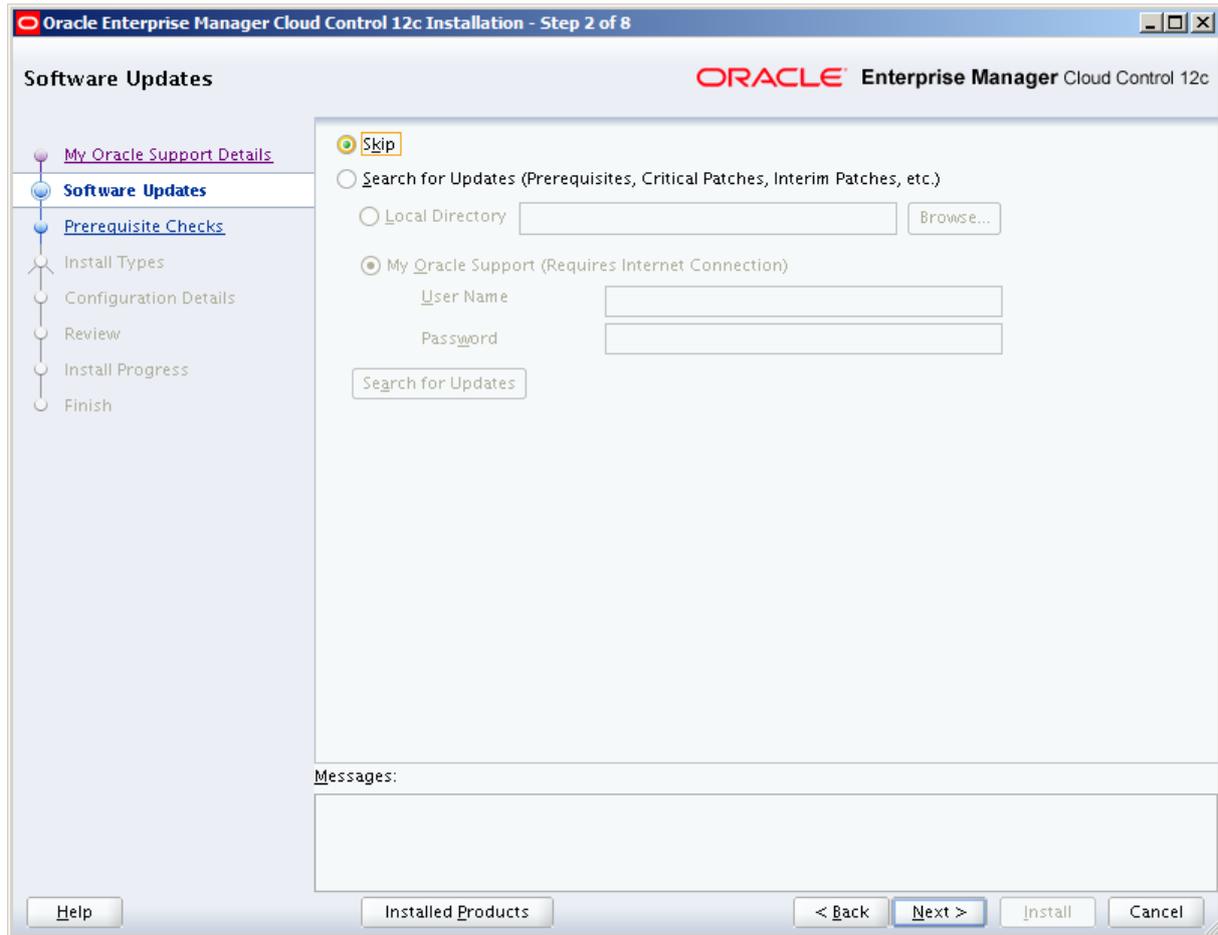
**Update April 2012: Please use latest 12.1.0.1 Binaries from [otn.oracle.com](http://otn.oracle.com) which already contain Bundle Patch 1!**

Download and unpack Cloud Control:

```
./runInstaller -debug
```

The screenshot shows the 'My Oracle Support Details' step of the Oracle Enterprise Manager Cloud Control 12c installation. The window title is 'Oracle Enterprise Manager Cloud Control 12c Installation - Step 1 of 8'. The main content area contains the following text: 'Provide your email address to be informed of security issues, install the product and initiate configuration manager. [View details.](#)' Below this is an 'Email:' label followed by an empty text input field. A note below the field says 'Easier for you if you use your My Oracle Support email address/username.' There is a checked checkbox with the text 'I wish to receive security updates via My Oracle Support.' Below that is a 'My Oracle Support Password:' label followed by an empty password input field. At the bottom of the window, there are buttons for 'Help', 'Installed Products', '< Back', 'Next >', 'Install', and 'Cancel'. A 'Messages:' section is visible at the bottom of the main content area but is currently empty.

The screenshot shows an error dialog box with a yellow warning triangle icon. The text inside the dialog reads: 'You have not provided an email address. Do you wish to remain uninformed of critical security issues in your configuration?' At the bottom of the dialog, there are two buttons: 'Yes' and 'No'.



Oracle Enterprise Manager Cloud Control 12c Installation - Step 3 of 8

**Prerequisite Checks** ORACLE Enterprise Manager Cloud Control 12c

My Oracle Support Details  
[Software Updates](#)  
**Prerequisite Checks**  
[Install Types](#)  
 Configuration Details  
 Review  
 Install Progress  
 Finish

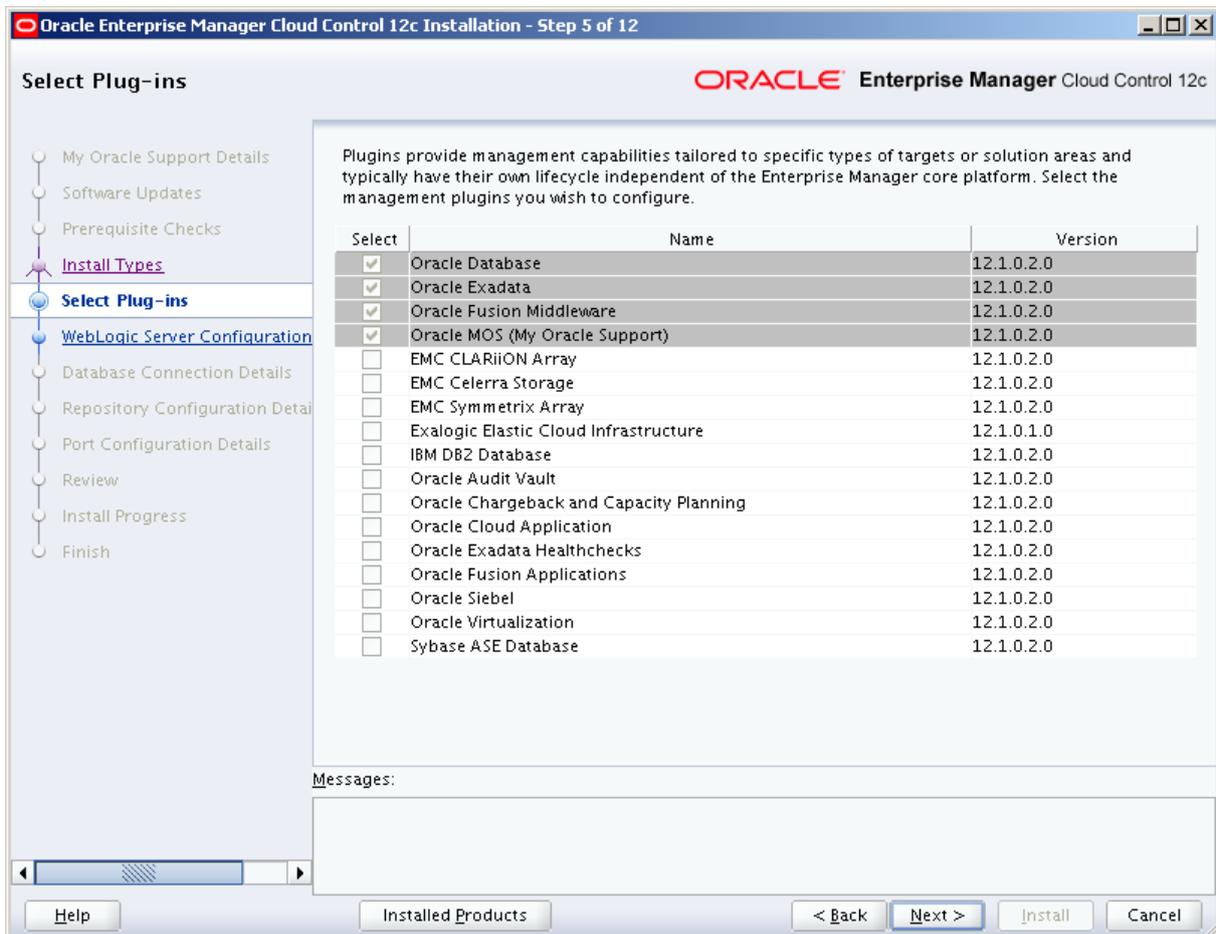
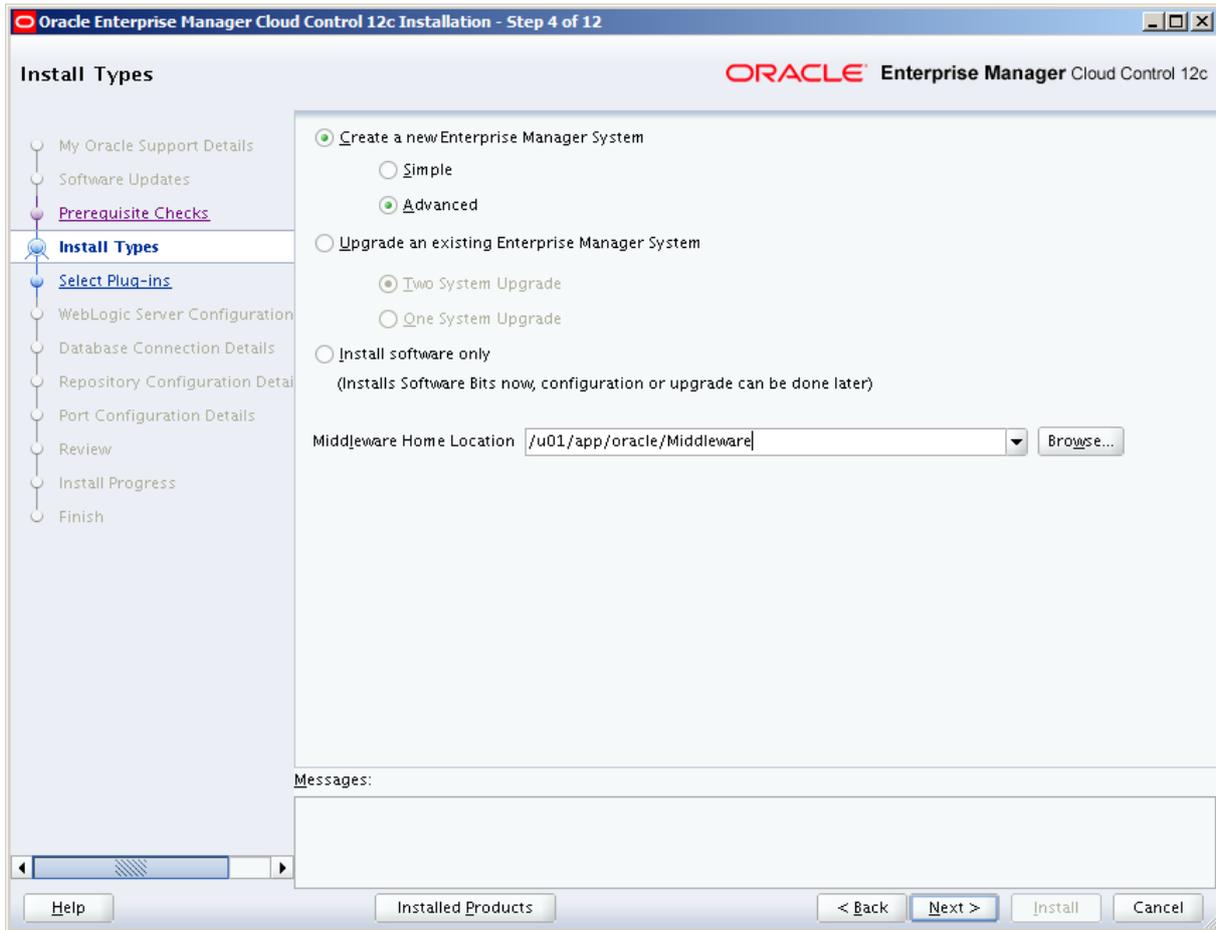
Prerequisite checks verify that your environment meets all minimum requirements for installing and configuring your selected product

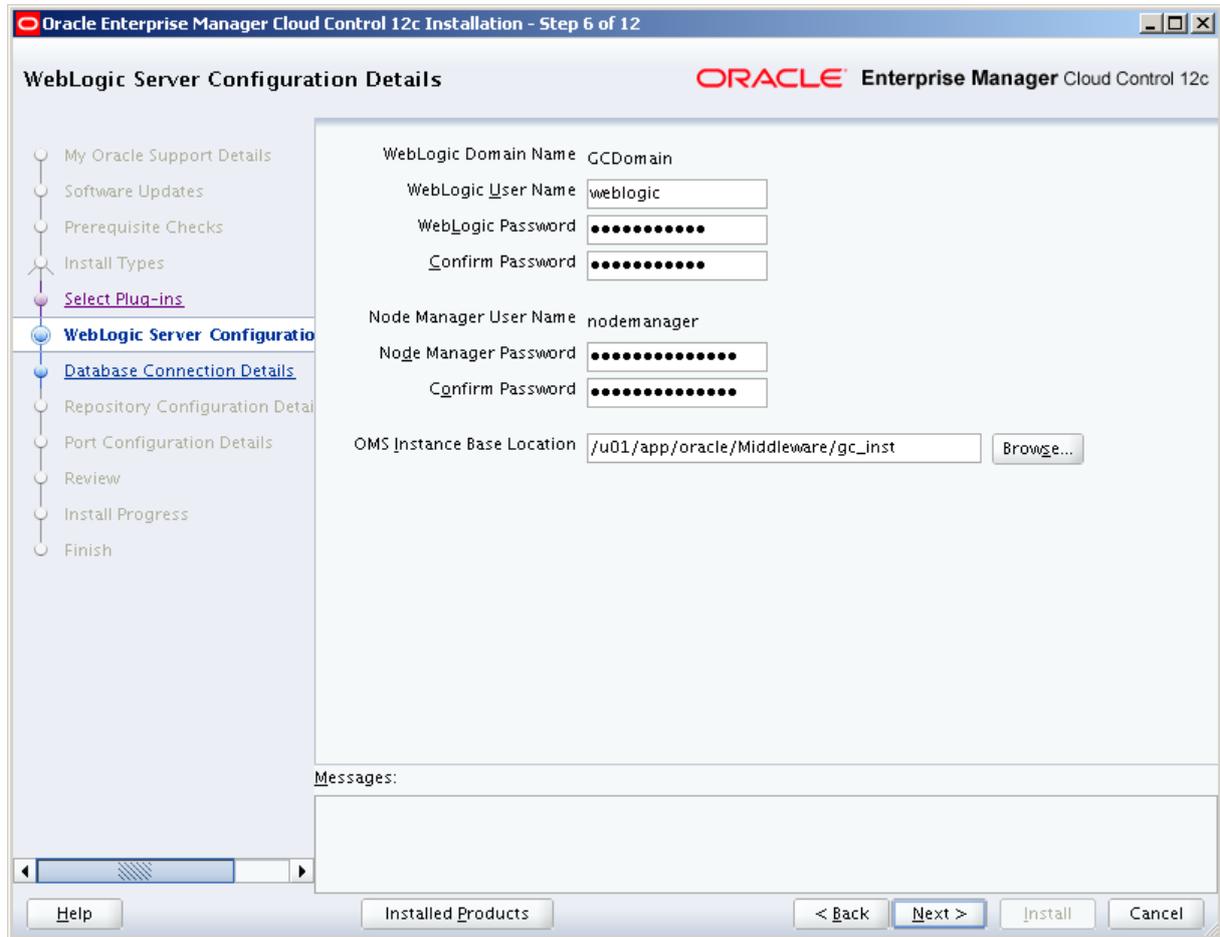
Prerequisite Name	Status
Checking if Oracle software certified on the current O/S...	Succeeded
Checking for required packages installed on the system ....	Succeeded
Checking whether required GLIBC installed on the system ....	Succeeded
Checking for sufficient disk space in TEMP location...	Succeeded
Checking for sufficient disk space in Inventory location...	Succeeded
Checking whether the software is compatible for current O/S...	Succeeded
Checking TimeZone settings...	Succeeded
Checking for sufficient physical memory...	Succeeded
Checking for sufficient swap space...	Succeeded
Checking for required ulimit value...	Succeeded
Checking for the Hostname...	Succeeded
Checking for LD_ASSUME_KERNEL environment variable...	Succeeded

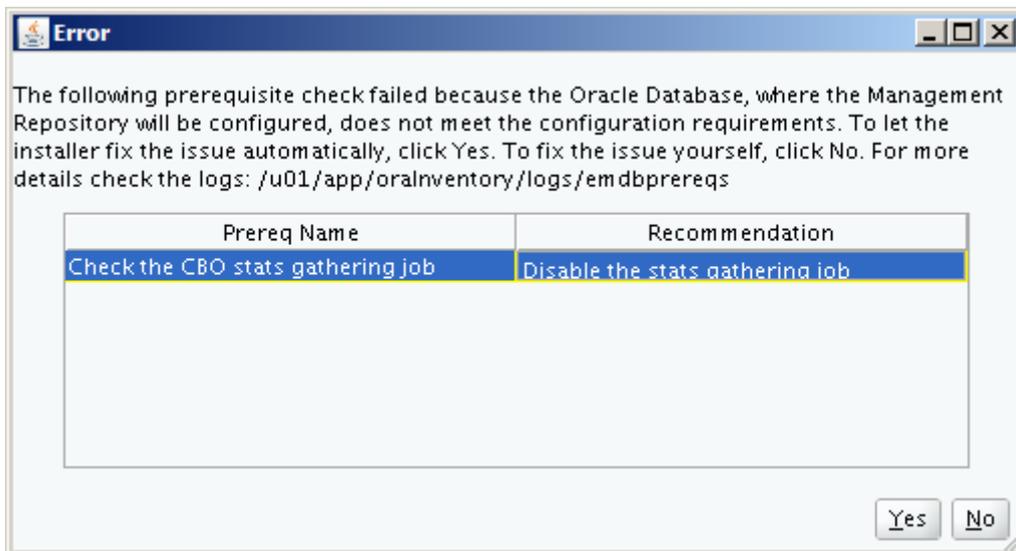
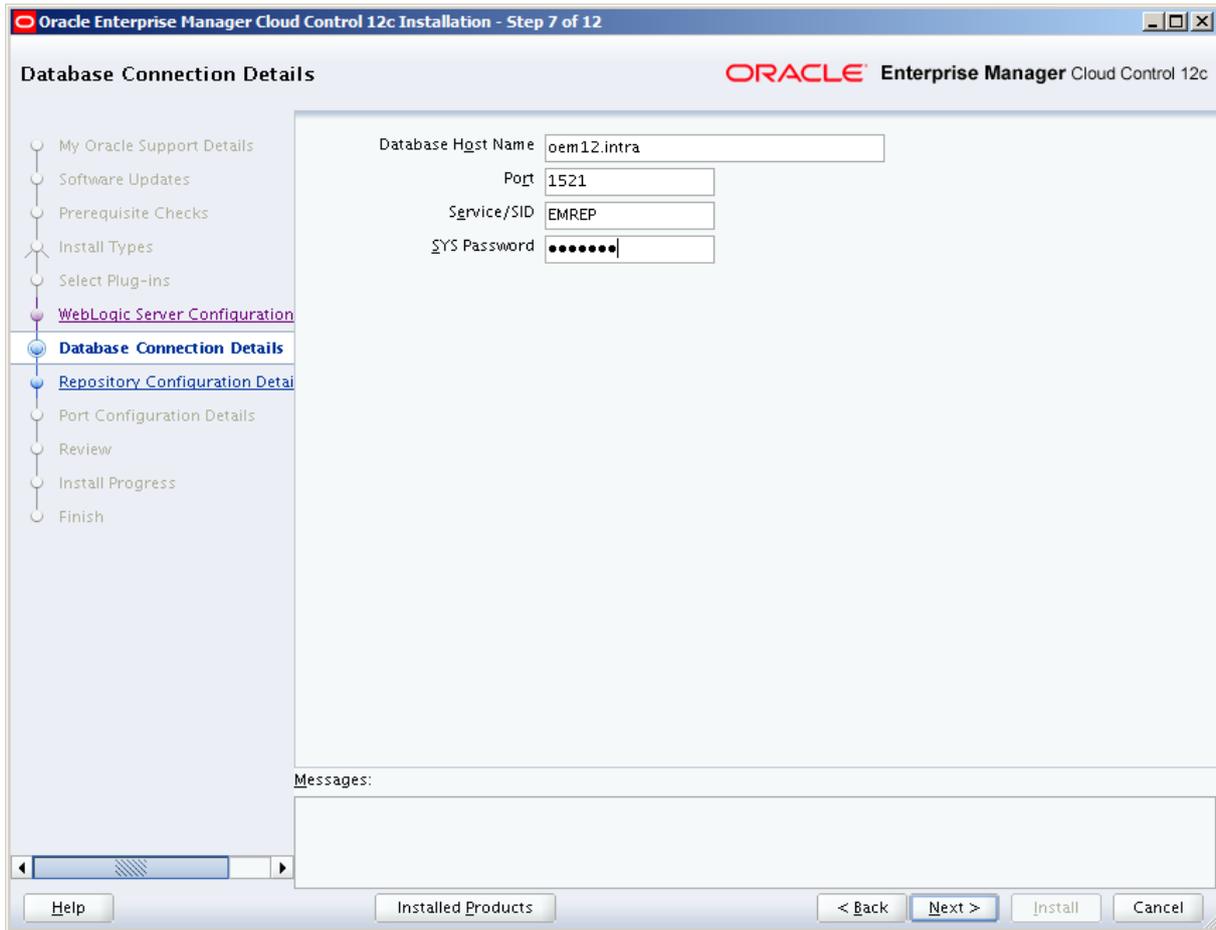
Expected result: Should be a Valid Host Name.  
 Actual Result: oem12.intra  
 Check complete. The overall result of this check is: Passed

Checking for LD\_ASSUME\_KERNEL environment variable...  
 Description:  
 Check for LD\_ASSUME\_KERNEL

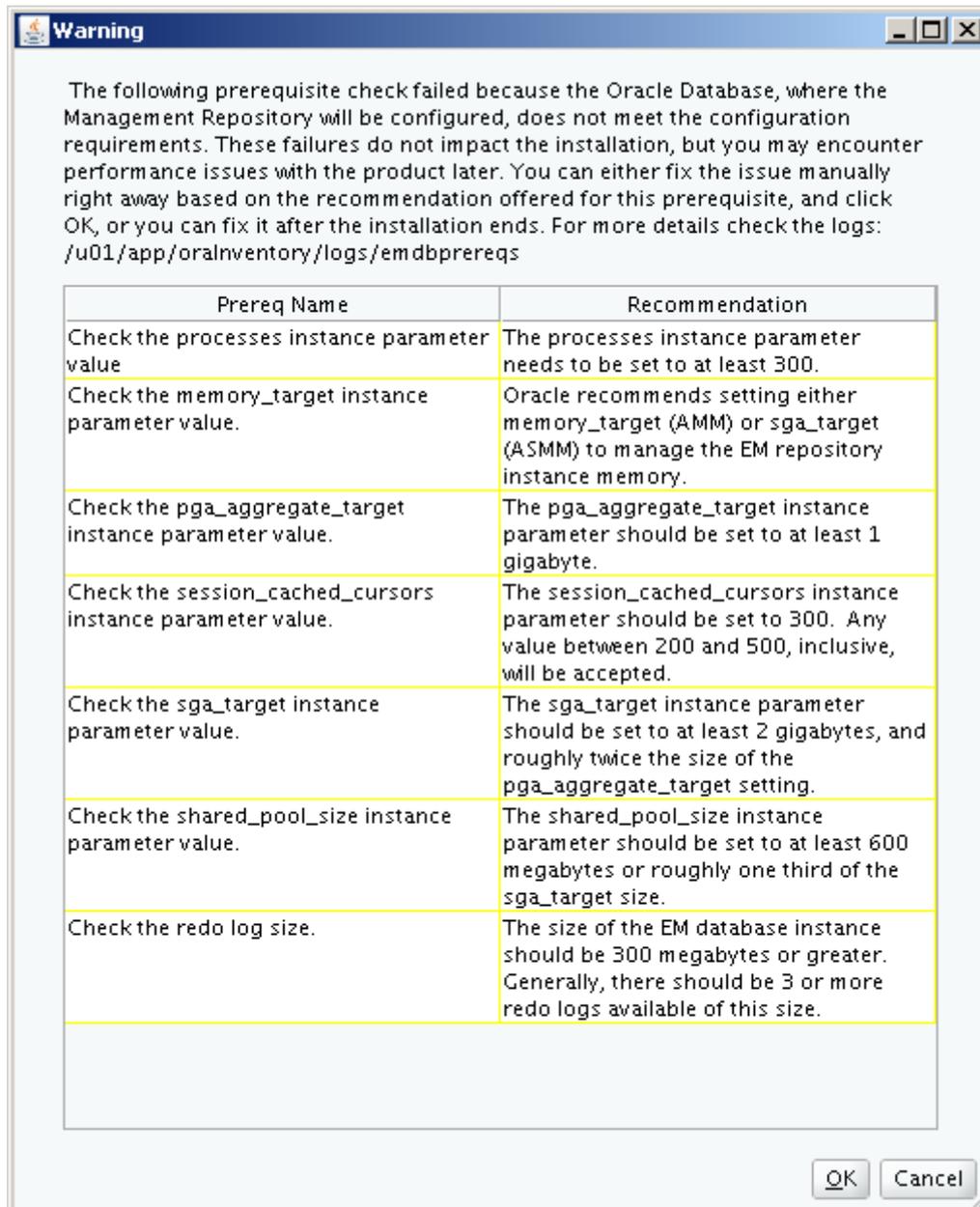
Expected result: LD\_ASSUME\_KERNEL environment variable is not set to 2.4.19  
 Actual Result: Variable Not set  
 Check complete. The overall result of this check is: Passed



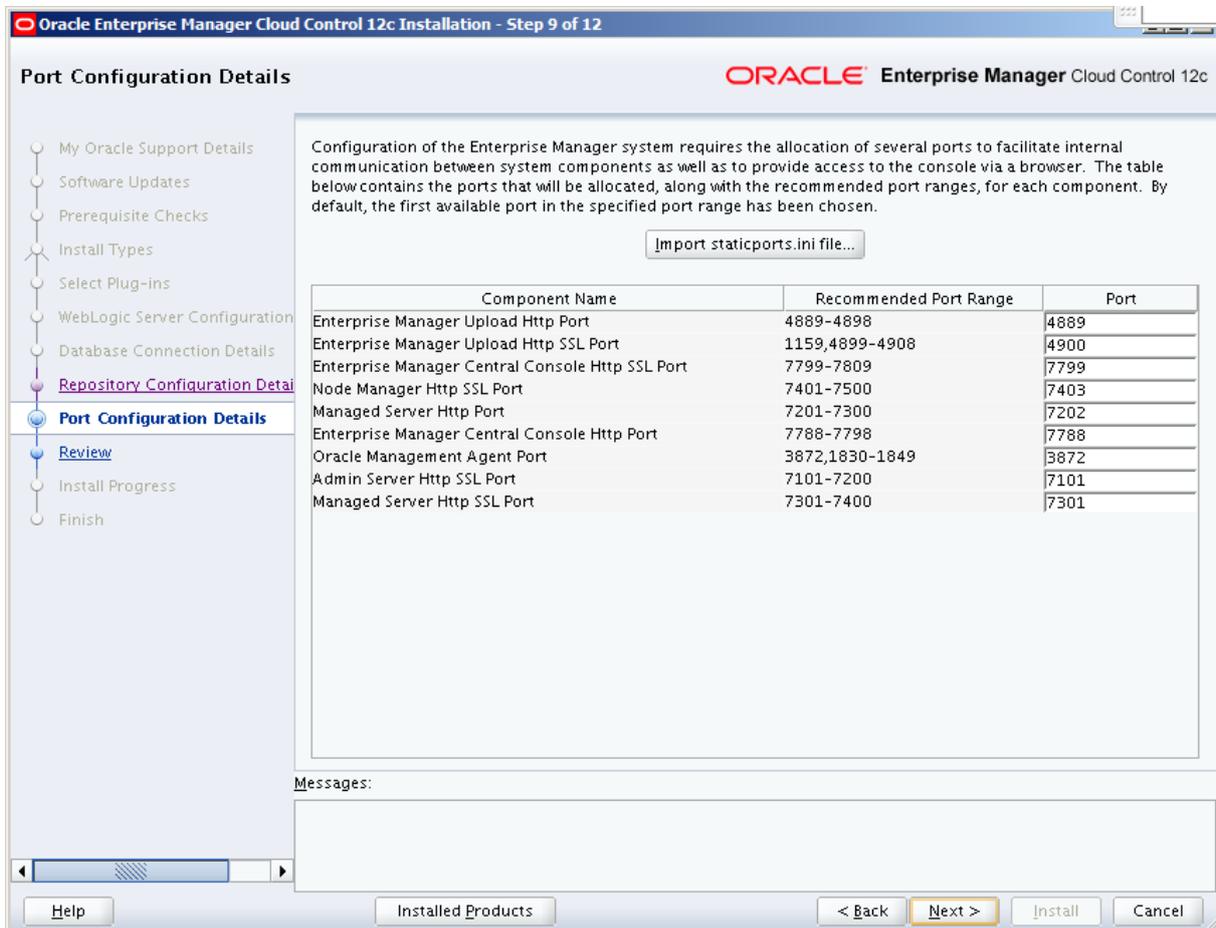
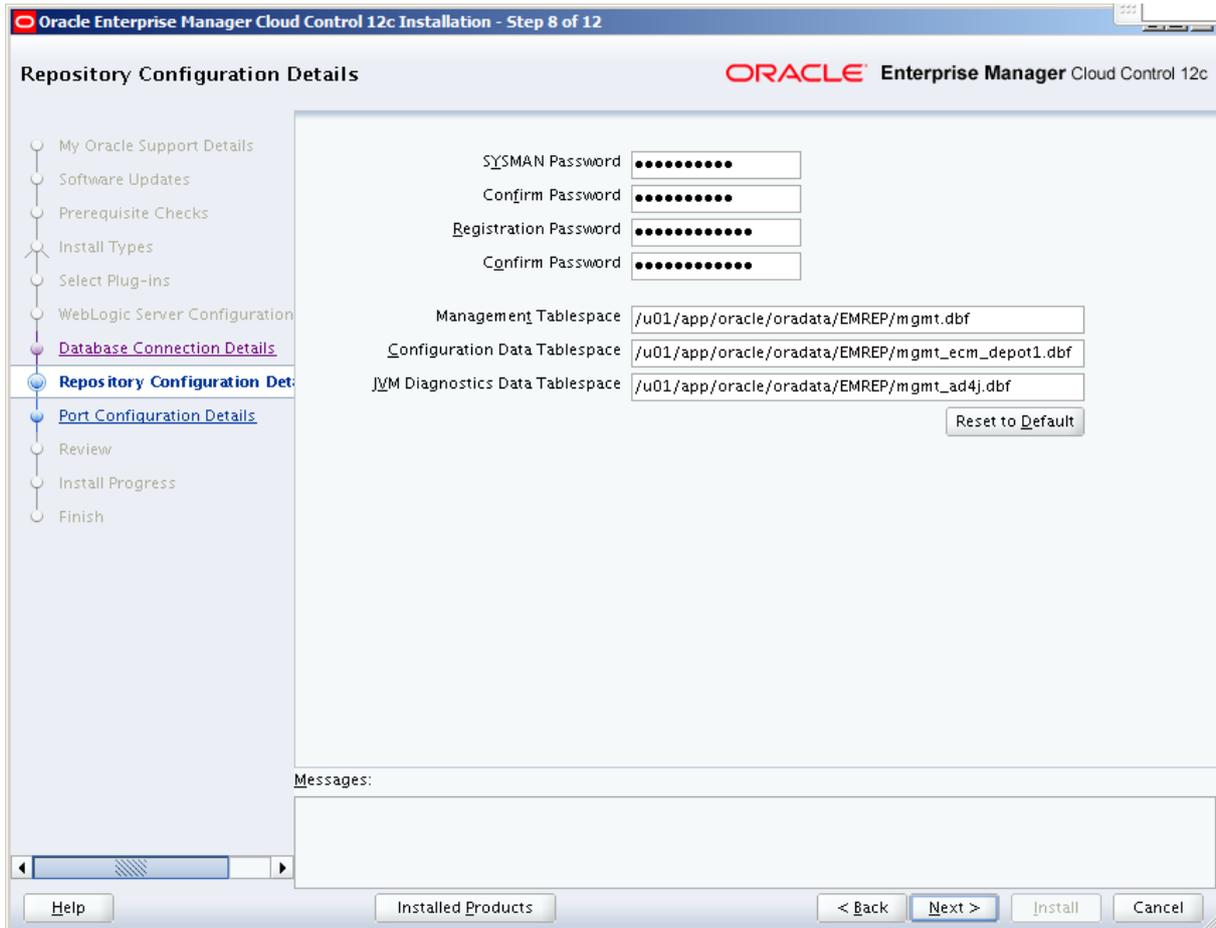


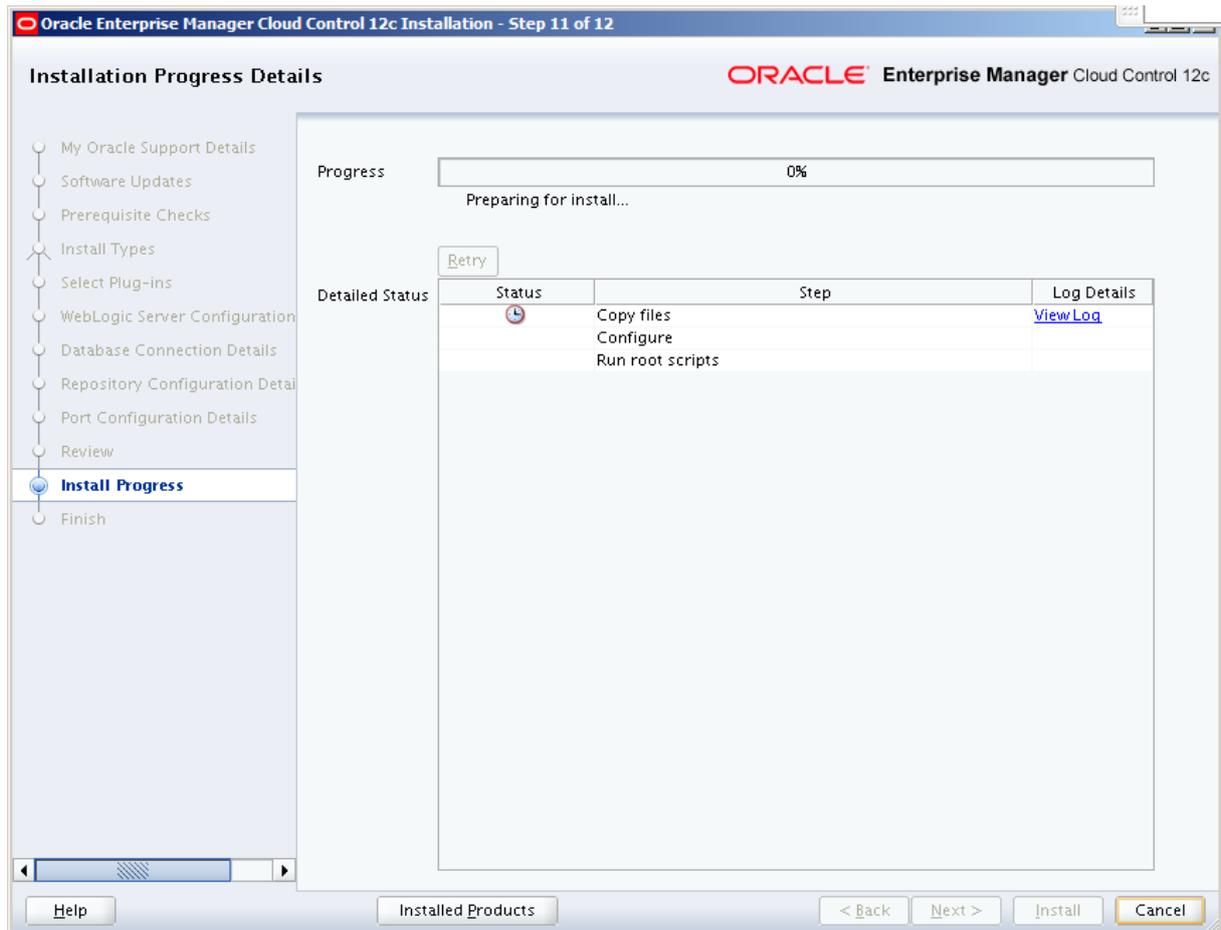
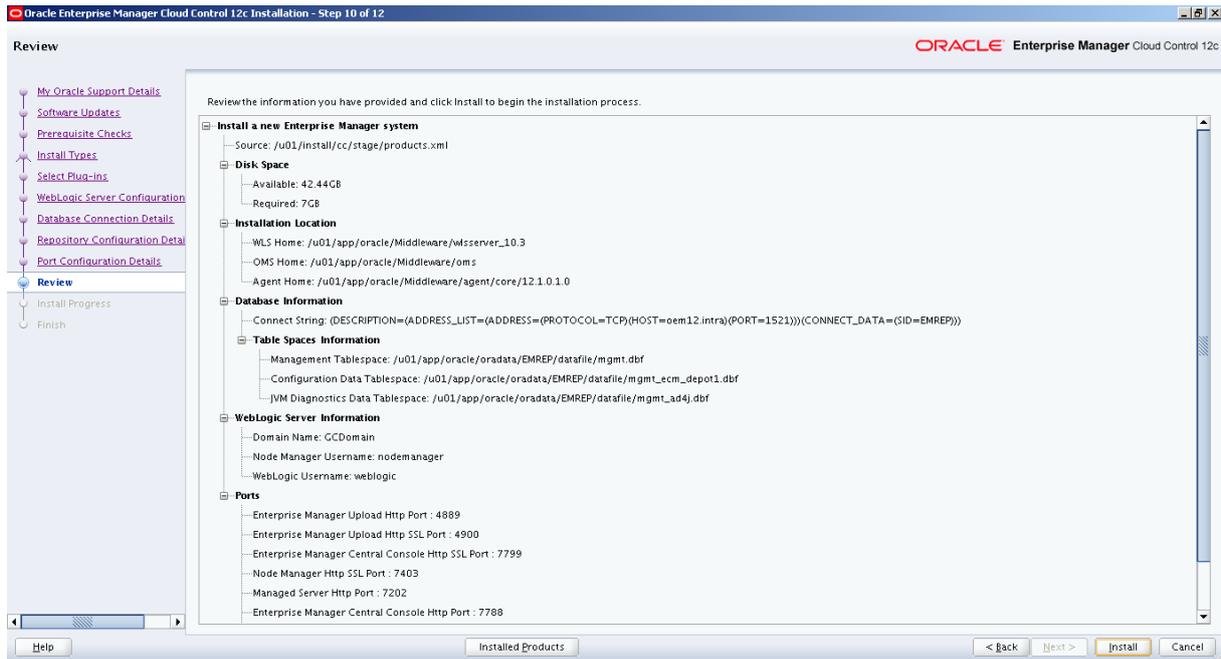


Click Yes.



Click OK.





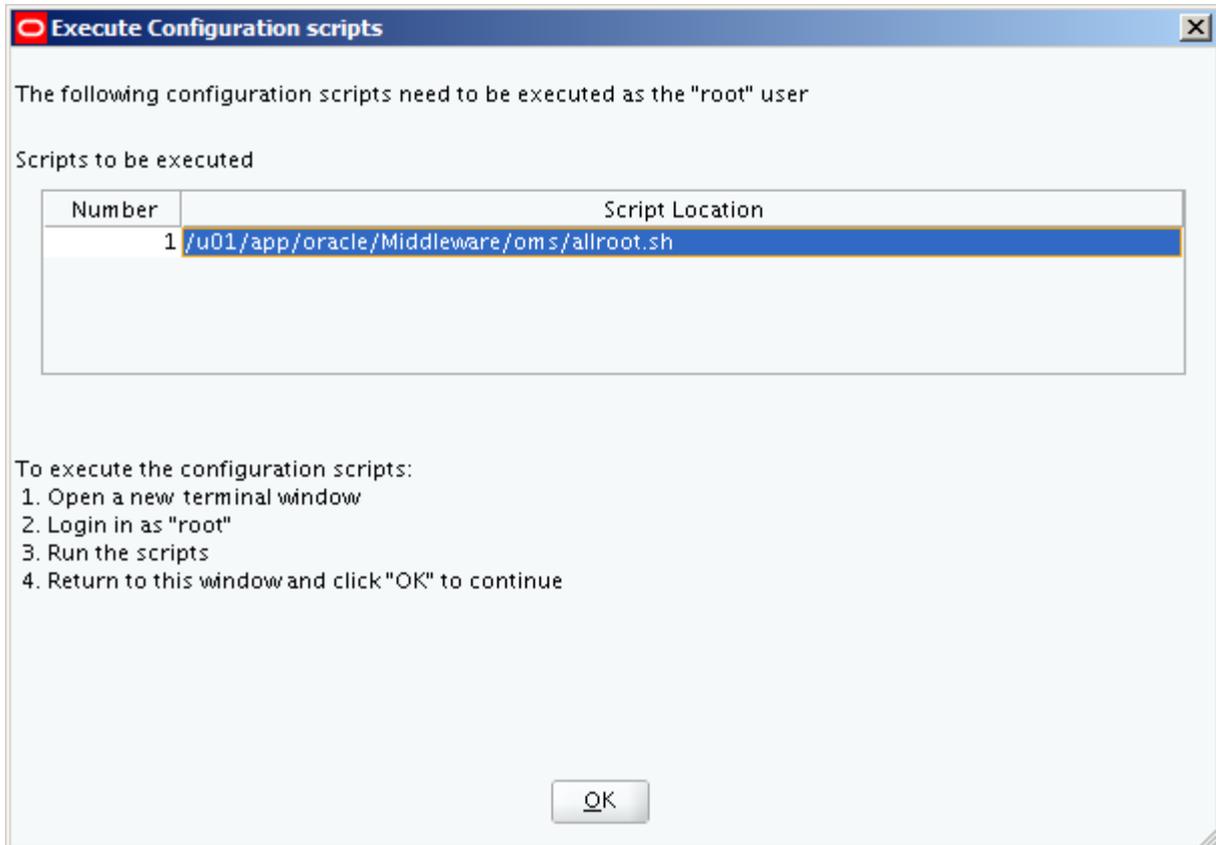
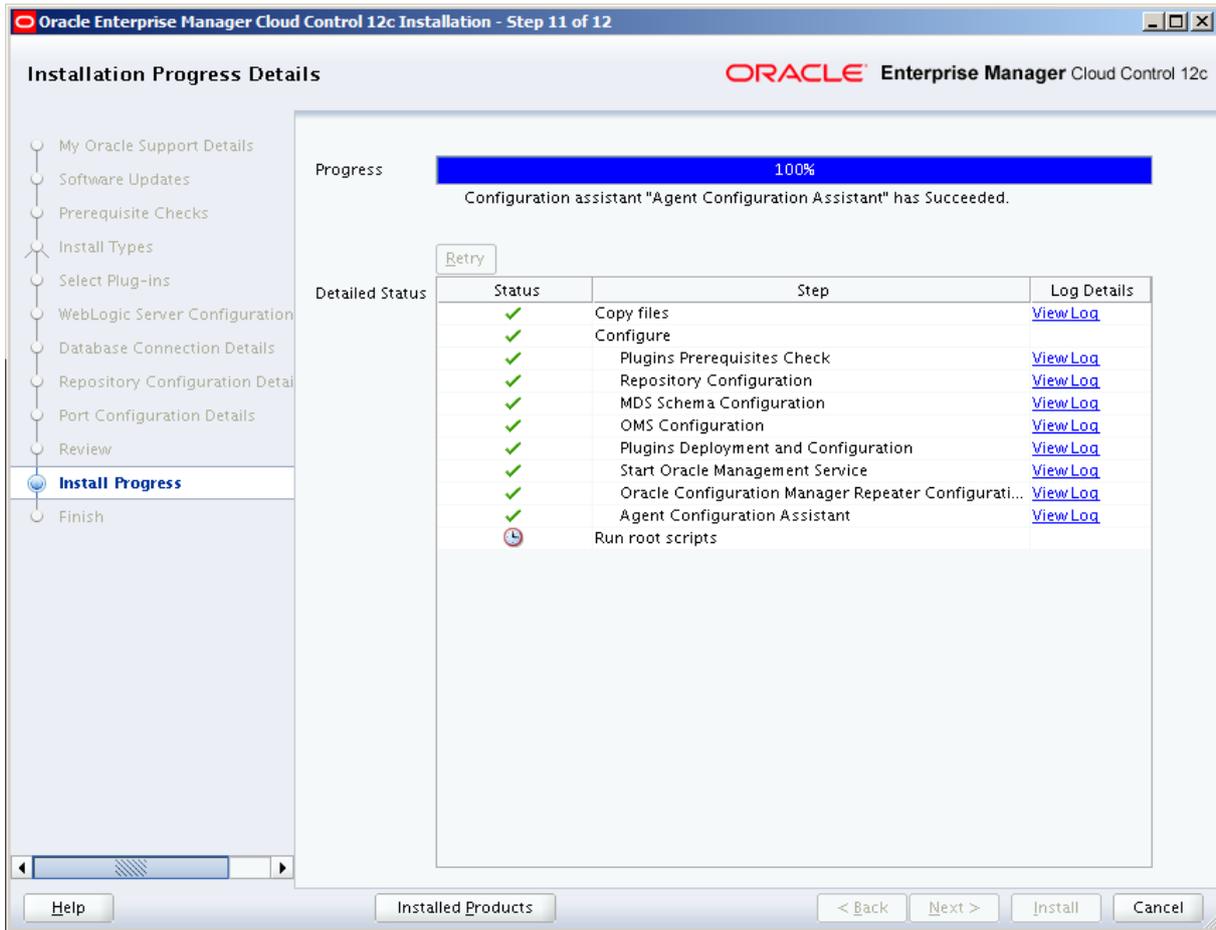
Oracle Enterprise Manager Cloud Control 12c Installation - Step 11 of 12

**Installation Progress Details** ORACLE Enterprise Manager Cloud Control 12c

My Oracle Support Details  
 Software Updates  
 Prerequisite Checks  
 Install Types  
 Select Plug-ins  
 WebLogic Server Configuration  
 Database Connection Details  
 Repository Configuration Details  
 Port Configuration Details  
 Review  
**Install Progress**  
 Finish

Progress 47%  
 Configuration assistant "Repository Configuration" has started.

Detailed Status	Status	Step	Log Details
	✓	Copy files	<a href="#">View Log</a>
	⌚	Configure	
	✓	Plugins Prerequisites Check	<a href="#">View Log</a>
	➔	Repository Configuration	<a href="#">View Log</a>
		MDS Schema Configuration	
		OMS Configuration	
		Plugins Deployment and Configuration	
		Start Oracle Management Service	
		Oracle Configuration Manager Repeater Configurati...	
		Agent Configuration Assistant	
		Run root scripts	



```
[root@oem12 oms]# /u01/app/oracle/Middleware/oms/allroot.sh
```

Starting to execute allroot.sh .....

Starting to execute /u01/app/oracle/Middleware/oms/root.sh .....

Running Oracle 11g root.sh script...

The following environment variables are set as:

ORACLE\_OWNER= oracle

ORACLE\_HOME= /u01/app/oracle/Middleware/oms

Enter the full pathname of the local bin directory: [/usr/local/bin]:

The file "dbhome" already exists in /usr/local/bin. Overwrite it? (y/n)

[n]: y

Copying dbhome to /usr/local/bin ...

The file "oraenv" already exists in /usr/local/bin. Overwrite it? (y/n)

[n]: y

Copying oraenv to /usr/local/bin ...

The file "coraenv" already exists in /usr/local/bin. Overwrite it? (y/n)

[n]: y

Copying coraenv to /usr/local/bin ...

Entries will be added to the /etc/oratab file as needed by

Database Configuration Assistant when a database is created

Finished running generic part of root.sh script.

Now product-specific root actions will be performed.

/etc exist

Creating /etc/oragchomelist file...

/u01/app/oracle/Middleware/oms

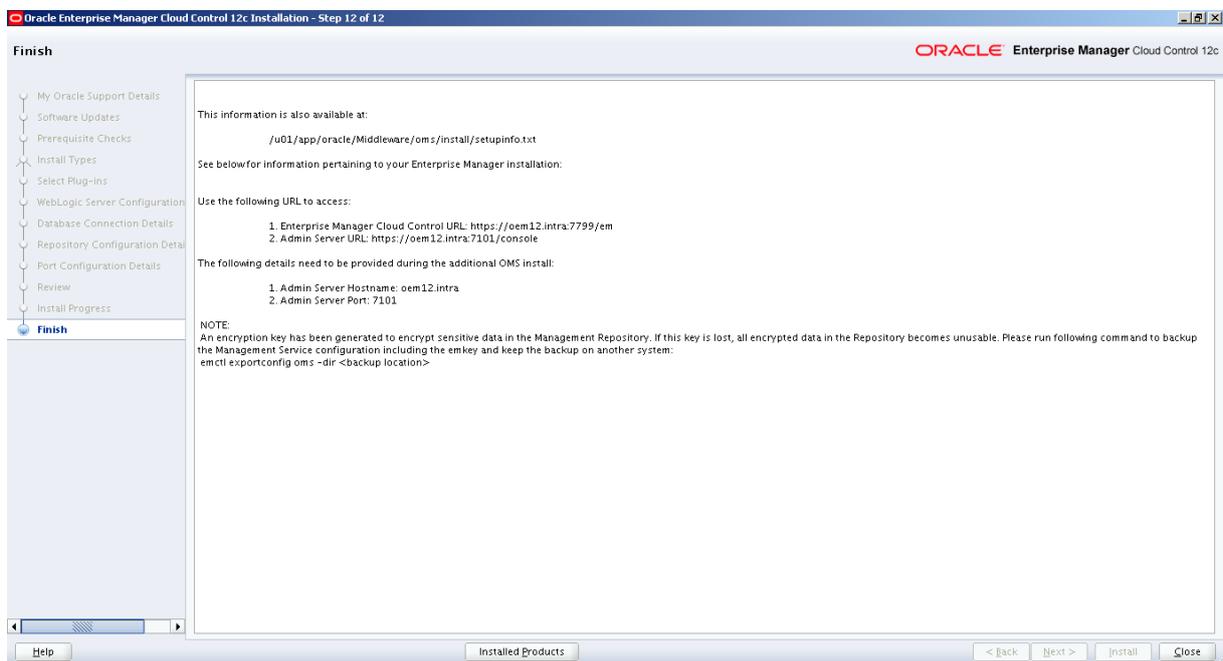
Finished execution of /u01/app/oracle/Middleware/oms/root.sh .....

Starting to execute /u01/app/oracle/Middleware/agent/core/12.1.0.1.0/root.sh .....

Finished product-specific root actions.

/etc exist

Finished execution of /u01/app/oracle/Middleware/agent/core/12.1.0.1.0/root.sh .....



12c

**Login**

User Name

Password

**Enterprise Manager Key Features**

- ▼ **Complete, Integrated, Application-to-Disk IT Management**  
Use one product to manage your entire IT infrastructure. Manage applications, middleware, database, OS and virtualization from a single console. Discover and monitor management targets and their relationships to proactively detect and resolve problems.
- ▶ **Manage Many-as-One with Groups**
- ▶ **Automate Routine Tasks**
- ▶ **Standardize and automate target lifecycle management**
- ▶ **Stay ahead of the curve with My Oracle Support Integration**

**New in this Release**

- ▼ **Manage your database better using new database management enhancements**  
In addition to Oracle's existing DB management capabilities, new features allow comparison of application data across multiple databases, multidimensional interactivity improvements to the Top Activity and SQL Monitoring pages, new AWR viewer, new emergency ADDM page and compare period reports.
- ▶ **Plan your journey to the Cloud with Consolidation Planner**
- ▶ **Care for Engineered Systems with Comprehensive Exadata and Exalogic Management**
- ▶ **Manage Weblogic through its lifecycle**
- ▶ **Centralize your Fusion Applications Management**

**Did you know...**

**Oracle Applications Management**

Enterprise Manager's Application Management capabilities include user experience management, integrated diagnostics, lifecycle management (patching, provisioning, change management) and configuration management in easy-to-deploy suites that are optimized for each application.

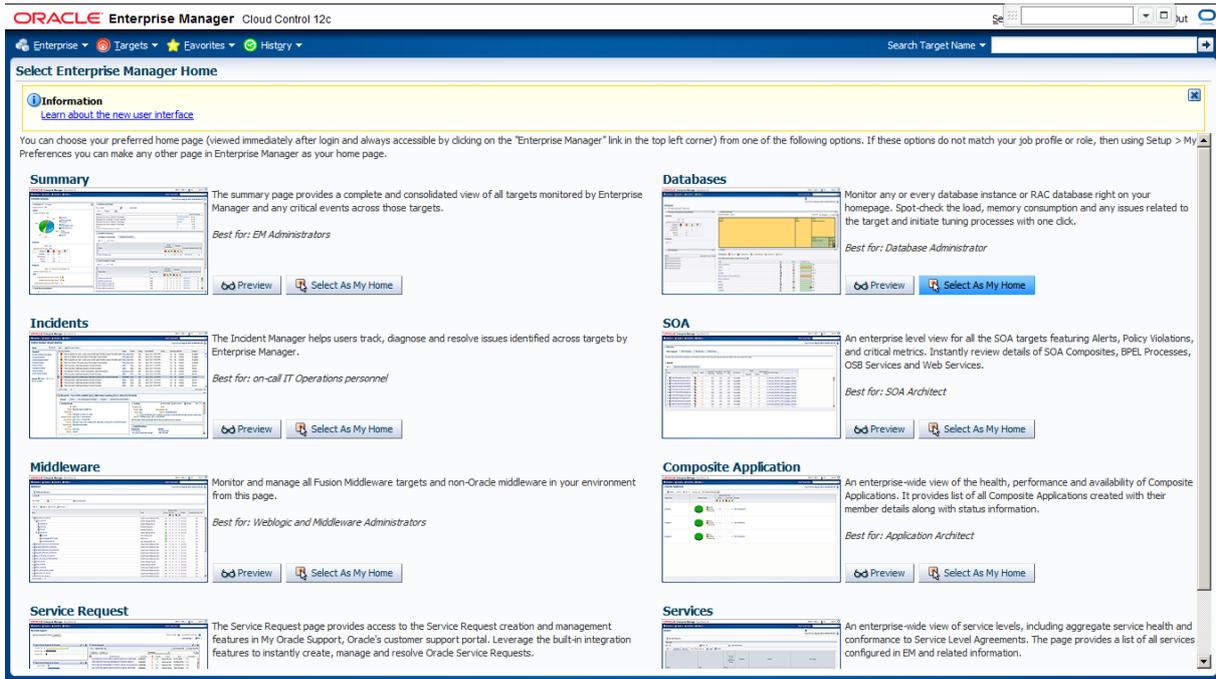
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**License Agreement**

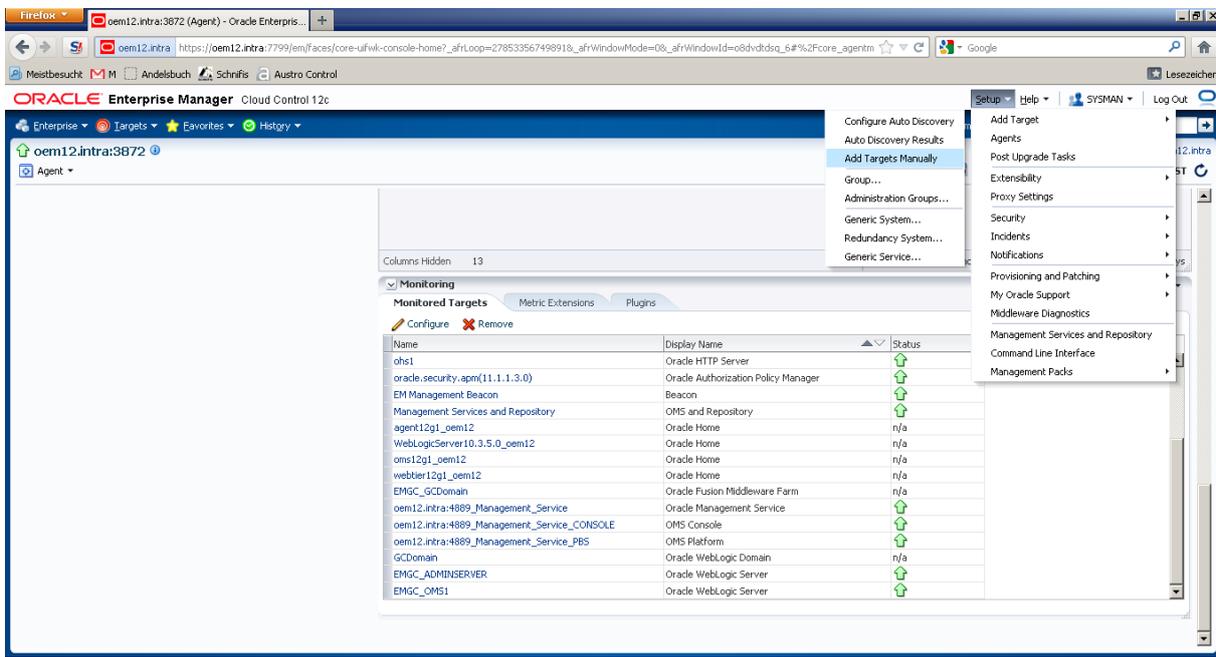
Clicking the "I Accept" button below confirms your agreement that you comply with each of the following statements:

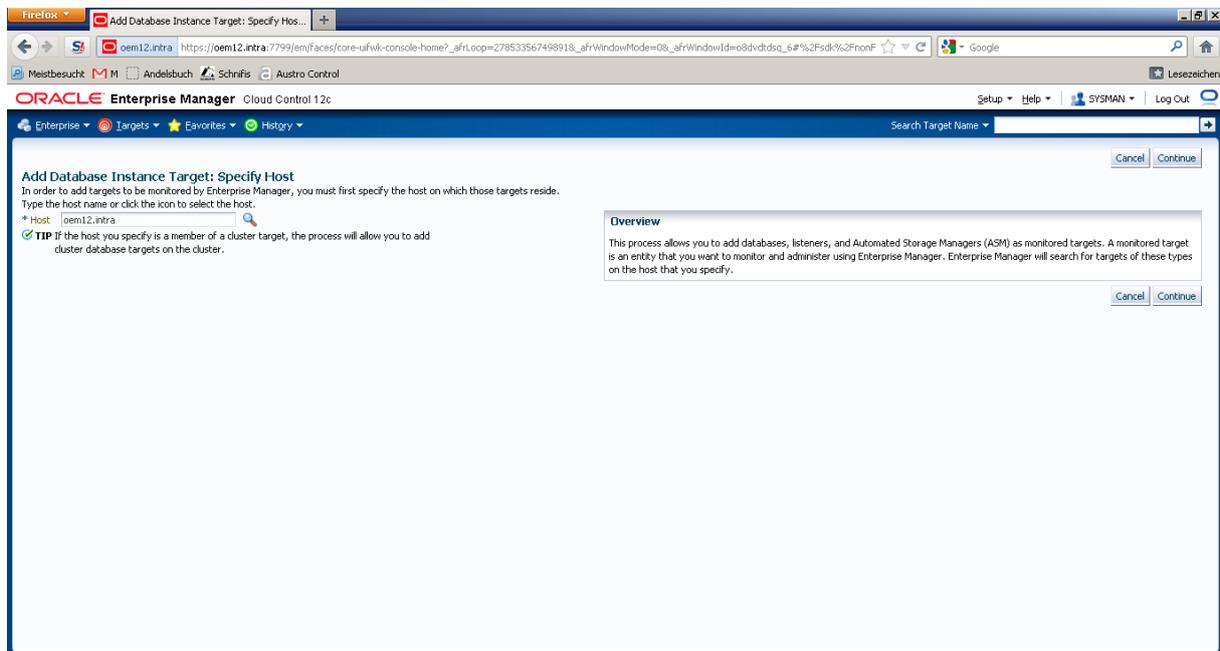
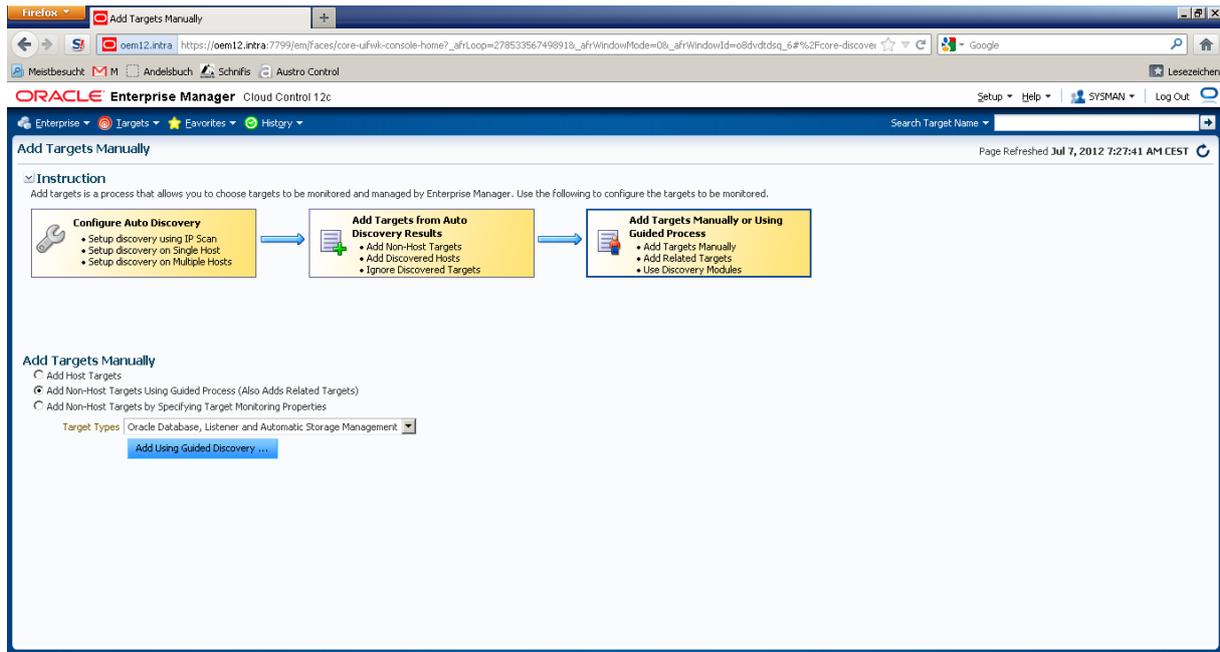
Oracle Enterprise Manager provides central management of your entire Oracle environment. Note that usage of certain product features requires separate licenses for Oracle Enterprise Manager Management Packs. You can enable or disable access to Management Pack features to stay compliant with your license terms. This can be done for individual targets, or you can use batch update to enable or disable management packs for all targets of a specific type.

Management Pack features can be accessed through Oracle Enterprise Manager Cloud Control browser interface, EMCLI (Enterprise Manager Command-line Interface) as well as through APIs provided with Oracle Database software. Access with any of these methods requires appropriate Management Pack license. For detailed information on the functionality contained within these packs, please refer to the Oracle Database Licensing Information document, the Oracle Application Server Licensing Information document or the Oracle Enterprise Manager Licensing Information document.



Add EMREP Database target:





**Discovering Targets on Host: oem12.intra**

**Information**  
TestConnection Results :  
EMREP - Failed to connect to the database: ORA-28000: the account is locked The Connect Descriptor was (description=(address=(host=oem12.intra)(protocol=tcp)(port=1521))(connect\_data=(service\_name=EMREP)(instance\_name=EMREP)(UR=A)))

**Databases**  
The following databases have been discovered on this host. Administrator can configure the database system name for each of the discovered databases. If user specifies group, Enterprise Manager will add the discovered target(s) to the specified group. Global target properties can be specified on following page for selected targets  
Monitor password for default user 'dbsnmp' can be specified and continue with the add of database to Enterprise Manager. Additional properties can be provided for discovered databases by clicking "Configure" button.

Select	Name	Database System	Group	Monitor Password	Configure	Metrics
<input checked="" type="checkbox"/>	EMREP	EMREP_sys		*****		

**Listeners**  
The following listeners have been discovered on this host.

Select	Name	Listener Name	Oracle Home	Group	Port	Listener Directory
<input checked="" type="checkbox"/>	LISTENER_oem12.intra	LISTENER	/u01/app/oracle/product/11.2.0/dbhome_1		1521	/u01/app/oracle/product/11.2.0/dbhome_1/network/admin

\* Indicates the Monitor User with SYSDBA role.

SQL> alter user dbsnmp identified by pw4dbsnmp account unlock;

**Discovering Targets on Host: oem12.intra**

**Information**  
TestConnection Results :  
EMREP - The connection test was successful.

**Databases**  
The following databases have been discovered on this host. Administrator can configure the database system name for each of the discovered databases. If user specifies group, Enterprise Manager will add the discovered target(s) to the specified group. Global target properties can be specified on following page for selected targets  
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<input checked="" type="checkbox"/>	EMREP	EMREP_sys		*****		

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Select	Name	Listener Name	Oracle Home	Group	Port	Listener Directory
<input checked="" type="checkbox"/>	LISTENER_oem12.intra	LISTENER	/u01/app/oracle/product/11.2.0/dbhome_1		1521	/u01/app/oracle/product/11.2.0/dbhome_1/network/admin

\* Indicates the Monitor User with SYSDBA role.

