



Oracle Cloud Control 13c

ohsdba

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Prerequisites

Hardware

- RAM : 8GB
- CPU: Intel (R) Core (TM) i7-4510U CPU @ 2.00GHz
- SSD: 256G
- OS: Windows 7 Ultimate, 64-bit 6.1.7601, Service Pack 1

Software

- VMware® Workstation 11.1.2 build-2780323
- Oracle Linux 7 Update 2 x86-64
- Oracle Database 12c Release 1 (12.1.0.2)

you can get Oracle Software from

<https://edelivery.oracle.com>

<http://www.oracle.com/technetwork/oem/enterprise-manager/downloads/index.html>

Note: please obey the terms of use

Install Guide

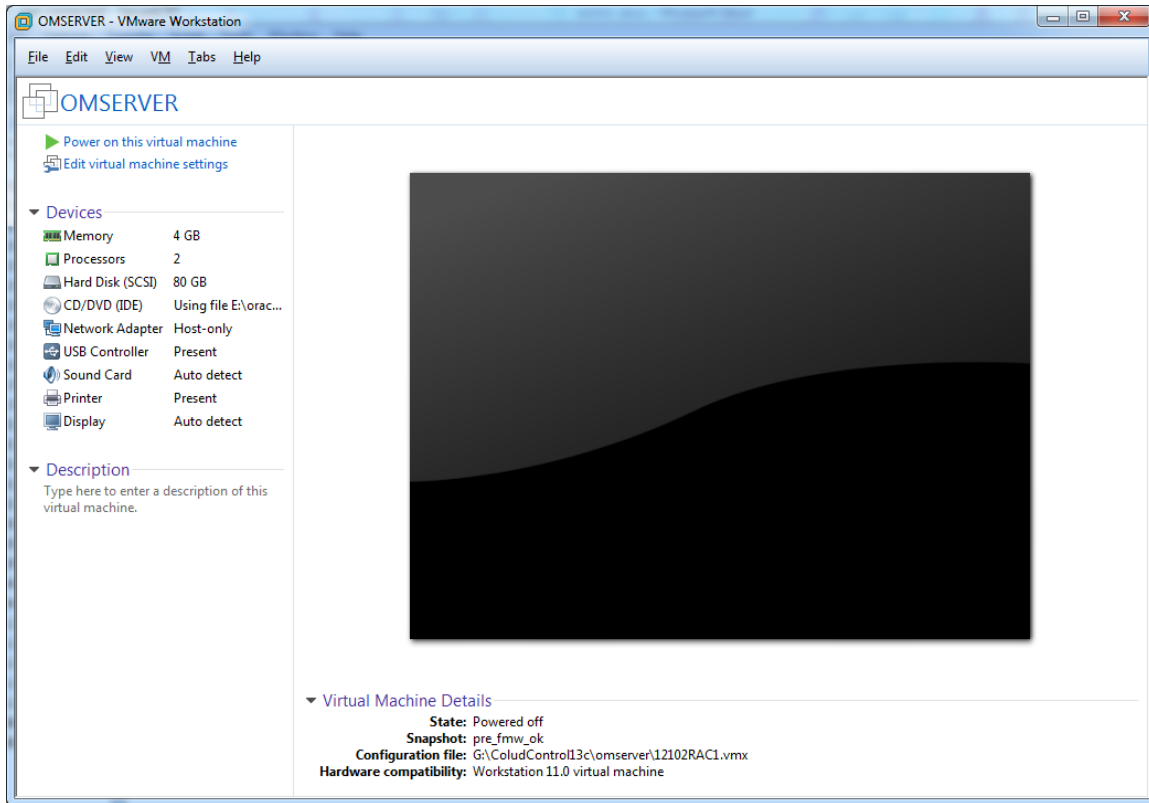
http://docs.oracle.com/cd/E63000_01/index.htm

Install Summary

Summary		
OS		
Server name	occprod.us.oracle.com	
Public IP	10.0.0.110	
root	welcome1	
DB login U/P	orpemrep/welcome1	
DB and EMCC		
DB Name	pemrep	
Instance Name	pemrep	
Oracle_Base	/pemrep/oracle/product	
Oracle_Home	/pemrep/oracle/product/121	
OMS_Home	/pemrep/fmw/oms	
Agent_Home	/pemrep/fmw/agent/agent_13.1.0.0.0	
DB/Weblogic User/Password	sys	welcome12
	system	welcome12
	sysman	welcome12
	weblogic	welcome12
EMCC login URL	https://occprod:7803/em	
Admin Server Login URL	https://occprod:7102/console	

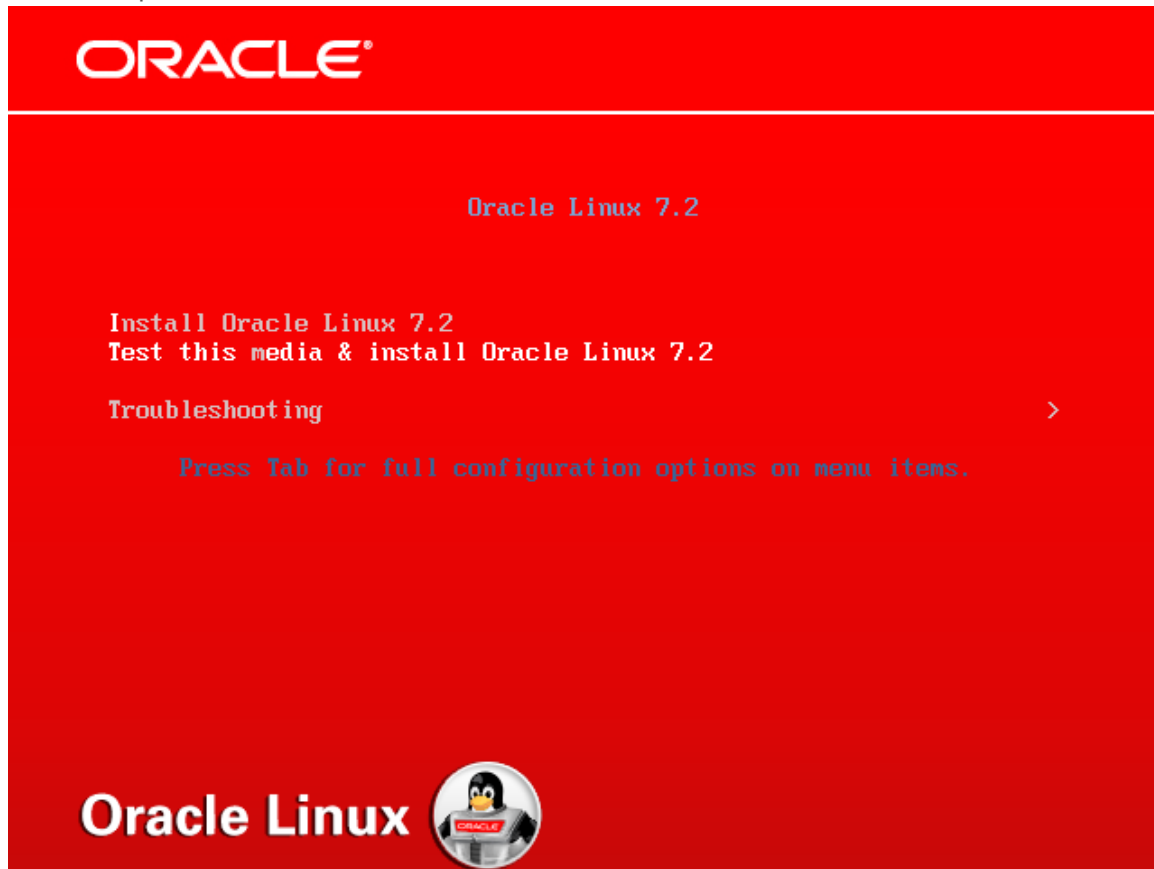
Note: you should have at least 4G memory with 4G swap for OMS server. If not, you will encounter issues. If your hardware resource is enough, please ignore

Create VM Server



Install OEL 7.2

Screen snapshot



anaconda


ORACLE
LINUX


INSTALLATION SUMMARY


ORACLE LINUX 7.2 INSTALLATION

us Help!


LOCALIZATION

 **DATE & TIME**
Americas/New York timezone


 **KEYBOARD**
English (US)


 **LANGUAGE SUPPORT**
English (United States)

SECURITY

 **SECURITY POLICY**
No profile selected

SOFTWARE

 **INSTALLATION SOURCE**
Local media

 **SOFTWARE SELECTION**
Minimal Install


Quit Begin Installation

We won't touch your disks until you click 'Begin Installation'.

Previous Time Zone Next

Time Zone

Shanghai, Shanghai, China



The screenshot shows the 'SOFTWARE SELECTION' window of the Oracle Linux 7.2 installer. The window title is 'anaconda'. The top bar contains 'SOFTWARE SELECTION' on the left, 'ORACLE LINUX 7.2 INSTALLATION' on the right, a 'Done' button, a keyboard icon with 'us', and a 'Help!' button. The main content is divided into two columns: 'Base Environment' and 'Add-Ons for Selected Environment'. In the 'Base Environment' column, the 'Server with GUI' option is selected. In the 'Add-Ons for Selected Environment' column, no options are selected.

SOFTWARE SELECTION ORACLE LINUX 7.2 INSTALLATION

Done us Help!

Base Environment

- Minimal Install**
Basic functionality.
- Infrastructure Server**
Server for operating network infrastructure services.
- File and Print Server**
File, print, and storage server for enterprises.
- Basic Web Server**
Server for serving static and dynamic internet content.
- Virtualization Host**
Minimal virtualization host.
- Server with GUI**
Server for operating network infrastructure services, with a GUI.

Add-Ons for Selected Environment



- Backup Server**
Software to centralize your infrastructure's backups.
- DNS Name Server**
This package group allows you to run a DNS name server (BIND) on the system.
- E-mail Server**
Allows the system to act as a SMTP and/or IMAP e-mail server.
- FTP Server**
Allows the system to act as an FTP server.
- File and Storage Server**
CIFS, SMB, NFS, iSCSI, iSER, and iSNS network storage server.
- Hardware Monitoring Utilities**
A set of tools to monitor server hardware.
- Identity Management Server**
Centralized management of users, servers and authentication policies.
- Infiniband Support**

anaconda


ORACLE
LINUX


INSTALLATION SUMMARY

ORACLE LINUX 7.2 INSTALLATION
us Help!


  **SECURITY POLICY**
No profile selected


SOFTWARE


 **INSTALLATION SOURCE**
Local media

 **SOFTWARE SELECTION**
Server with GUI

SYSTEM

 **INSTALLATION DESTINATION**
Automatic partitioning selected

 **KDUMP**
Kdump is enabled

 **NETWORK & HOST NAME**
Wired (eno167...736) connected

Quit Begin Installation

We won't touch your disks until you click 'Begin Installation'.

anaconda

ROOT PASSWORD

ORACLE LINUX 7.2 INSTALLATION


Done Help!

The root account is used for administering the system. Enter a password for the root user.

Root Password:

Weak

Confirm:

 You have provided a weak password: The password fails the dictionary check - it is based on a dictionary word. Press Done again to use anyway.

anaconda


ORACLE
LINUX


CONFIGURATION

ORACLE LINUX 7.2 INSTALLATION


us Help!

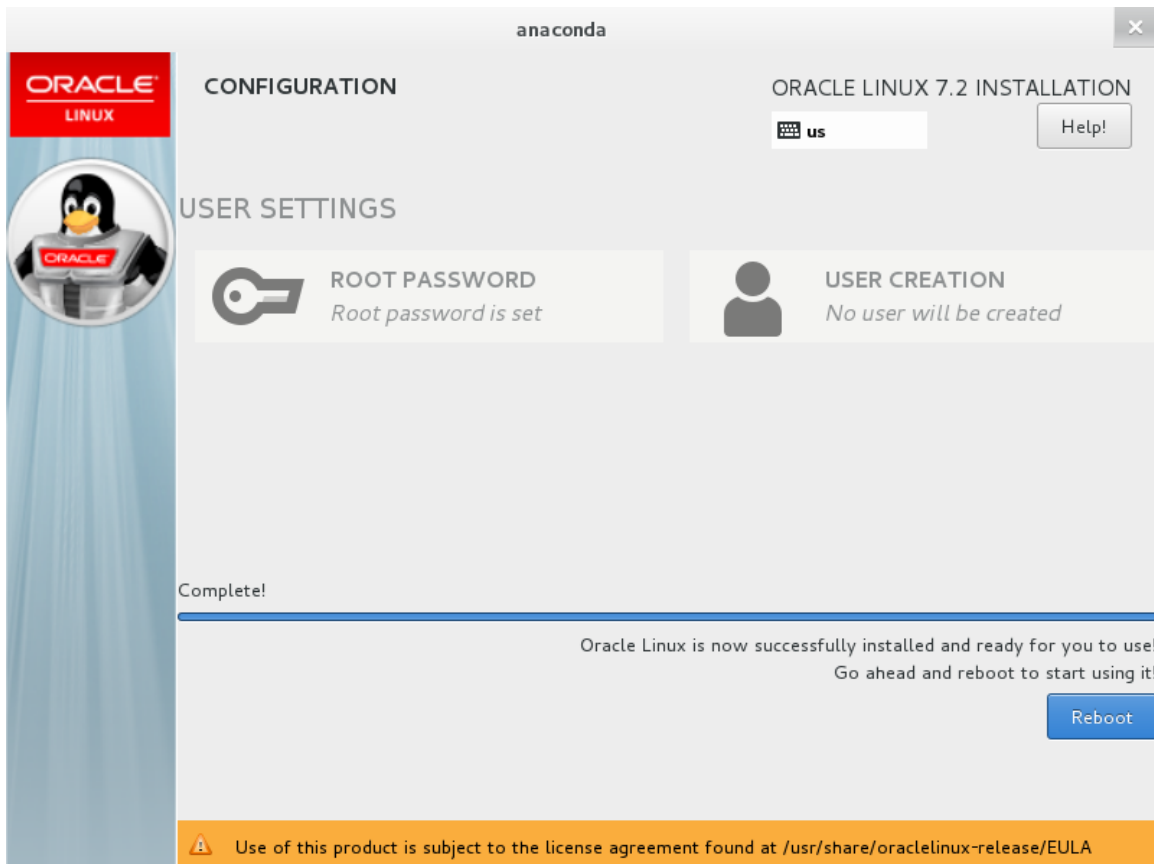
USER SETTINGS

 **ROOT PASSWORD**
Root password is set

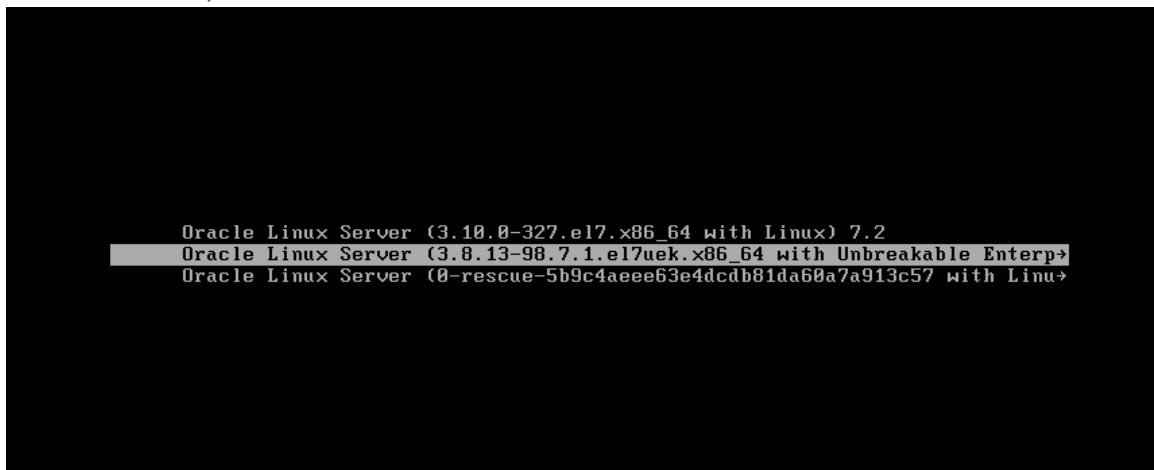
 **USER CREATION**
No user will be created

Installing libmpdec (495/1226)

 **Oracle Linux: All errata and updates freely available across all channels at the same time, with or without a subscription.**



Reboot and Accept License



```

Please make your choice from above ['q' to quit ; 'c' to continue ;
'r' to refresh]: 1
=====
License information

1) Read the License Agreement

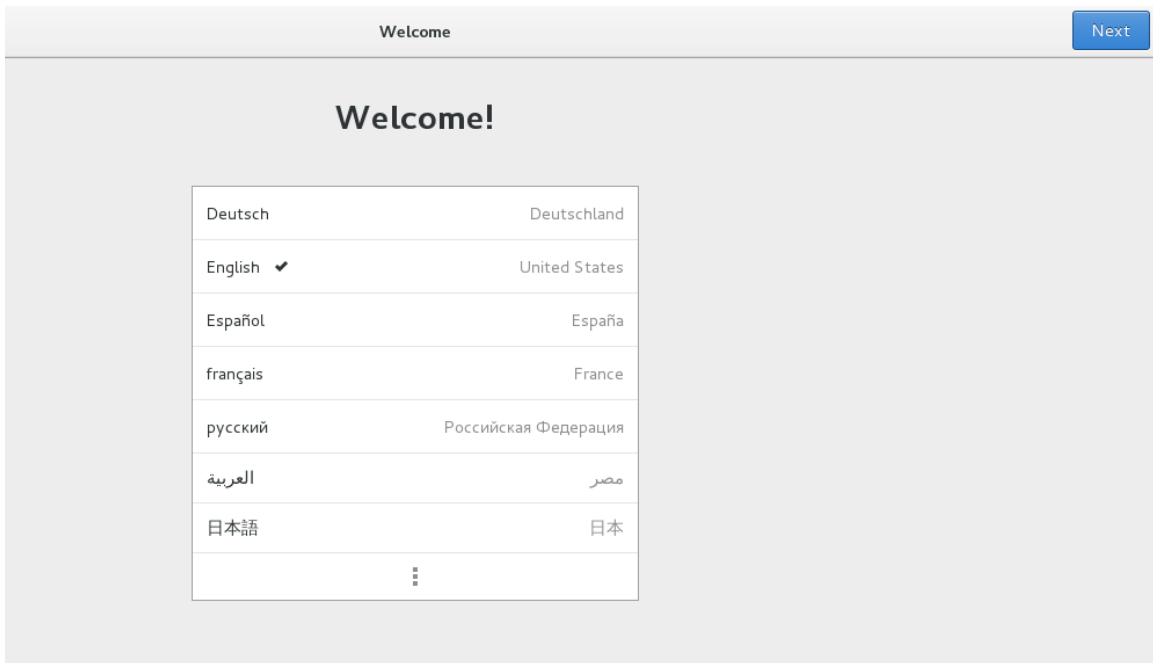
[ ] 2) I accept the license agreement.

Please make your choice from above ['q' to quit ; 'c' to continue ;
'r' to refresh]: 2
=====
License information

1) Read the License Agreement

[x] 2) I accept the license agreement.

Please make your choice from above ['q' to quit ; 'c' to continue ;
'r' to refresh]: _
    
```



Previous Next

Typing


Select your keyboard layout or an input method.

Cameroon Multilingual (Dvorak)	Preview
Cameroon Multilingual (qwerty)	Preview
English (Cameroon)	Preview
English (Canada)	Preview
English (Colemak)	Preview
English (US) ✓	Preview
⋮	

Previous Next

About You

We need a few details to complete setup.

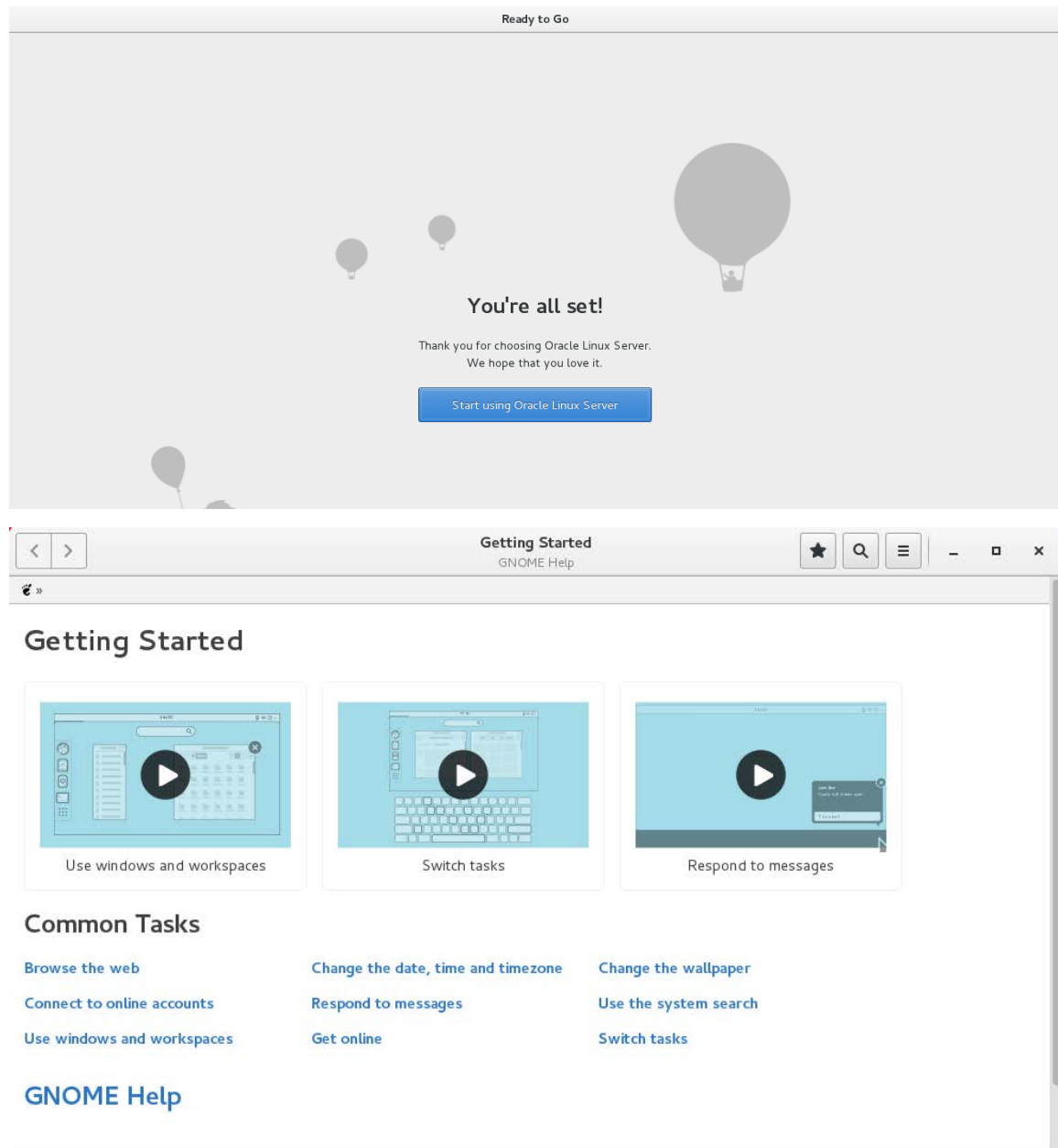


About You

Full Name ✓

Username ✓

This will be used to name your home folder and can't be changed.



Config yum repository

```
[root@prod1 ~]# cd /etc/yum.repos.d/
[root@prod1 yum.repos.d]# pwd
/etc/yum.repos.d
[root@prod1 yum.repos.d]# ls
public-yum-ol7.repo
[root@prod1 yum.repos.d]# cp public-yum-ol7.repo public-yum-ol7.repo.bak
[root@prod1 yum.repos.d]# vi public-yum-ol7.repo
[OEL72]
name=oel72
baseurl=file:///run/media/root/OL-7.2\ Server.x86_64/
gpgcheck=0
```

```

enabled=1
~
"public-yum-ol7.repo" 5L, 94C written
[root@prod1 yum.repos.d]#
[root@prod1 yum.repos.d]#
[root@prod1 yum.repos.d]# cat public-yum-ol7.repo
[OEL72]
name=oel72
baseurl=file:///run/media/root/OL-7.2\ Server.x86_64/
gpgcheck=0
enabled=1
[root@prod1 yum.repos.d]#

```

Install 12cR1 preinstall package

```
[root@prod1 Packages]# yum install oracle-rdbms-server-12cR1-preinstall -y
```

```

[root@prod1 Packages]# yum install oracle-rdbms-server-12cR1-preinstall -y
Loaded plugins: langpacks, ulninfo
OEL72 | 3.6 kB 00:00:00
(1/2): OEL72/group_gz | 134 kB 00:00:00
(2/2): OEL72/primary_db | 4.1 MB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package oracle-rdbms-server-12cR1-preinstall.x86_64 0:1.0-4.e17 will be installed
--> Processing Dependency: libstdc++-devel for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Processing Dependency: libaio-devel for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Processing Dependency: ksh for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Processing Dependency: glibc-devel for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Processing Dependency: gcc-c++ for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Processing Dependency: gcc for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Processing Dependency: compat-libstdc++-33 for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Processing Dependency: compat-libcap1 for package: oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64
--> Running transaction check
--> Package compat-libcap1.x86_64 0:1.10-7.e17 will be installed
--> Package compat-libstdc++-33.x86_64 0:3.2.3-72.e17 will be installed
--> Package gcc.x86_64 0:4.8.5-4.e17 will be installed
--> Processing Dependency: cpp = 4.8.5-4.e17 for package: gcc-4.8.5-4.e17.x86_64
--> Processing Dependency: libmpfr.so.4()(64bit) for package: gcc-4.8.5-4.e17.x86_64
--> Processing Dependency: libmpc.so.3()(64bit) for package: gcc-4.8.5-4.e17.x86_64
--> Package gcc-c++.x86_64 0:4.8.5-4.e17 will be installed
--> Package glibc-devel.x86_64 0:2.17-105.0.1.e17 will be installed
--> Processing Dependency: glibc-headers = 2.17-105.0.1.e17 for package: glibc-devel-2.17-105.0.1.e17.x86_64
--> Processing Dependency: glibc-headers for package: glibc-devel-2.17-105.0.1.e17.x86_64
--> Package ksh.x86_64 0:20120801-22.e17.1.2 will be installed
--> Package libaio-devel.x86_64 0:0.3.109-13.e17 will be installed
--> Package libstdc++-devel.x86_64 0:4.8.5-4.e17 will be installed
--> Running transaction check
--> Package cpp.x86_64 0:4.8.5-4.e17 will be installed
--> Package glibc-headers.x86_64 0:2.17-105.0.1.e17 will be installed
--> Processing Dependency: kernel-headers >= 2.2.1 for package: glibc-headers-2.17-105.0.1.e17.x86_64
--> Processing Dependency: kernel-headers for package: glibc-headers-2.17-105.0.1.e17.x86_64
--> Package libmpc.x86_64 0:1.0.1-3.e17 will be installed
--> Package mpfr.x86_64 0:3.1.1-4.e17 will be installed
--> Running transaction check
--> Package kernel-headers.x86_64 0:3.10.0-327.e17 will be installed
--> Finished Dependency Resolution

```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
oracle-rdbms-server-12cR1-preinstall	x86_64	1.0-4.e17	OEL72	18 k
Installing for dependencies:				
compat-libcap1	x86_64	1.10-7.e17	OEL72	17 k
compat-libstdc++-33	x86_64	3.2.3-72.e17	OEL72	190 k
cpp	x86_64	4.8.5-4.e17	OEL72	5.9 M
gcc	x86_64	4.8.5-4.e17	OEL72	16 M
gcc-c++	x86_64	4.8.5-4.e17	OEL72	7.2 M
glibc-devel	x86_64	2.17-105.0.1.e17	OEL72	1.0 M
glibc-headers	x86_64	2.17-105.0.1.e17	OEL72	661 k
kernel-headers	x86_64	3.10.0-327.e17	OEL72	3.2 M
ksh	x86_64	20120801-22.e17.1.2	OEL72	880 k
libaio-devel	x86_64	0.3.109-13.e17	OEL72	12 k
libmpc	x86_64	1.0.1-3.e17	OEL72	49 k
libstdc++-devel	x86_64	4.8.5-4.e17	OEL72	1.5 M
mpfr	x86_64	3.1.1-4.e17	OEL72	198 k

Transaction Summary

Install 1 Package (+13 Dependent packages)

Total download size: 37 M

Installed size: 88 M

Downloading packages:

Total	46 MB/s 37 MB 00:00:00
Running transaction check	
Running transaction test	
Transaction test succeeded	
Running transaction	
Installing : mpfr-3.1.1-4.e17.x86_64	1/14
Installing : libmpc-1.0.1-3.e17.x86_64	2/14
Installing : libstdc++-devel-4.8.5-4.e17.x86_64	3/14
Installing : gcc-4.8.5-4.e17.x86_64	4/14
Installing : kernel-headers-3.10.0-327.e17.x86_64	5/14
Installing : glibc-headers-2.17-105.0.1.e17.x86_64	6/14
Installing : glibc-devel-2.17-105.0.1.e17.x86_64	7/14
Installing : gcc-4.8.5-4.e17.x86_64	8/14
Installing : gcc-c++-4.8.5-4.e17.x86_64	9/14
Installing : libaio-devel-0.3.109-13.e17.x86_64	10/14
Installing : compat-libcap1-1.10-7.e17.x86_64	11/14
Installing : ksh-20120801-22.e17.1.2.x86_64	12/14
Installing : compat-libstdc++-33-3.2.3-72.e17.x86_64	13/14
Installing : oracle-rdbms-server-12cR1-preinstall-1.0-4.e17.x86_64	14/14

```

Verifying : glibc-headers-2.17-105.0.1.el7.x86_64 1/14
Verifying : libstdc++-devel-4.8.5-4.el7.x86_64 2/14
Verifying : gcc-4.8.5-4.el7.x86_64 3/14
Verifying : oracle-rdbms-server-12cR1-preinstall-1.0-4.el7.x86_64 4/14
Verifying : mpfr-3.1.1-4.el7.x86_64 5/14
Verifying : glibc-devel-2.17-105.0.1.el7.x86_64 6/14
Verifying : compat-libstdc++-33-3.2.3-72.el7.x86_64 7/14
Verifying : ksh-20120801-22.el7.1.2.x86_64 8/14
Verifying : cpp-4.8.5-4.el7.x86_64 9/14
Verifying : compat-libcap1-1.10-7.el7.x86_64 10/14
Verifying : gcc-c++-4.8.5-4.el7.x86_64 11/14
Verifying : libmpc-1.0.1-3.el7.x86_64 12/14
Verifying : libaio-devel-0.3.109-13.el7.x86_64 13/14
Verifying : kernel-headers-3.10.0-327.el7.x86_64 14/14

Installed:
oracle-rdbms-server-12cR1-preinstall.x86_64 0:1.0-4.el7

Dependency Installed:
  compat-libcap1.x86_64 0:1.10-7.el7          compat-libstdc++-33.x86_64 0:3.2.3-72.el7      cpp.x86_64 0:4.8.5-4.el7
  gcc.x86_64 0:4.8.5-4.el7                gcc-c++.x86_64 0:4.8.5-4.el7          glibc-devel.x86_64 0:2.17-105.0.1.el7
  glibc-headers.x86_64 0:2.17-105.0.1.el7  kernel-headers.x86_64 0:3.10.0-327.el7      ksh.x86_64 0:20120801-22.el7.1.2
  libaio-devel.x86_64 0:0.3.109-13.el7     libmpc.x86_64 0:1.0.1-3.el7          libstdc++-devel.x86_64 0:4.8.5-4.el7
  mpfr.x86_64 0:3.1.1-4.el7

Complete!
[root@prod1 Packages]#

```

Install glibc-devel 32bit

```

[root@prod1 Packages]# ls -l|grep glibc-devel
-rw-rw-r-- 1 root root 1098144 Sep 22 17:57 glibc-devel-2.17-105.0.1.el7.i686.rpm
-rw-rw-r-- 1 root root 1097252 Sep 22 17:57 glibc-devel-2.17-105.0.1.el7.x86_64.rpm
[root@prod1 Packages]# yum install glibc-devel-2.17-105.0.1.el7.i686.rpm -y
Loaded plugins: langpacks, ulninfo
Examining glibc-devel-2.17-105.0.1.el7.i686.rpm: glibc-devel-2.17-105.0.1.el7.i686
Marking glibc-devel-2.17-105.0.1.el7.i686.rpm to be installed
Resolving Dependencies
--> Running transaction check
--> Package glibc-devel.i686 0:2.17-105.0.1.el7 will be installed
--> Processing Dependency: libBrokenLocale.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libanl.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libcidn.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libcrypt.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libdl.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libm.so.6 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnsl.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnss_compat.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnss_db.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnss_dns.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnss_files.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnss_hesiod.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnss_nis.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libnss_nisplus.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libresolv.so.2 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: librt.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libthread_db.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Processing Dependency: libutil.so.1 for package: glibc-devel-2.17-105.0.1.el7.i686
--> Running transaction check
--> Package glibc.i686 0:2.17-105.0.1.el7 will be installed
--> Processing Dependency: libfreebl3.so(NSSRAWHASH_3.12.3) for package: glibc-2.17-105.0.1.el7.i686
--> Processing Dependency: libfreebl3.so for package: glibc-2.17-105.0.1.el7.i686
--> Running transaction check
--> Package nss-softokn-freebl.i686 0:3.16.2.3-13.el7_1 will be installed
--> Finished Dependency Resolution

```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
glibc-devel	i686	2.17-105.0.1.el7	/glibc-devel-2.17-105.0.1.el7.i686	1.0 M
Installing for dependencies:				
glibc	i686	2.17-105.0.1.el7	OEL72	4.2 M
nss-softokn-freebl	i686	3.16.2.3-13.el7_1	OEL72	187 k

Transaction Summary

Install 1 Package (+2 Dependent packages)

Total size: 5.4 M
 Total download size: 4.4 M
 Installed size: 16 M
 Downloading packages:

----- 58 MB/s | 4.4 MB 00:00:00

Total
 Running transaction check
 Running transaction test
 Transaction test succeeded
 Running transaction

Warning: RPMDB altered outside of yum

```

Installing : glibc-2.17-105.0.1.el7.i686 1/3
Installing : nss-softokn-freebl-3.16.2.3-13.el7_1.i686 2/3
Installing : glibc-devel-2.17-105.0.1.el7.i686 3/3
Verifying  : nss-softokn-freebl-3.16.2.3-13.el7_1.i686 1/3
Verifying  : glibc-devel-2.17-105.0.1.el7.i686 2/3
Verifying  : glibc-2.17-105.0.1.el7.i686 3/3

```

Installed:
 glibc-devel.i686 0:2.17-105.0.1.el7


```

Dependency Installed:
  glibc.i686 0:2.17-105.0.1.el7                                nss-softokn-freebl.i686
  0:3.16.2.3-13.el7_1

```

```

Complete!
[root@prod1 Packages]#

```

Disable firewall

```

[root@prod1 ~]# systemctl list-units|grep fire
firewalld.service                                loaded active running  firewalld - dynamic firewall daemon
[root@prod1 ~]# systemctl disable firewalld
Removed symlink /etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service.
Removed symlink /etc/systemd/system/basic.target.wants/firewalld.service.
[root@prod1 ~]# systemctl list-units|grep fire
firewalld.service                                loaded active running  firewalld - dynamic firewall daemon
[root@prod1 ~]# systemctl stop firewalld.service
[root@prod1 ~]# systemctl list-units|grep fire
[root@prod1 ~]# systemctl list-units|grep fire
[root@prod1 ~]#

```

```

[root@prod1 ~]# firewall-cmd --state
running

```

```

[root@prod1 ~]# systemctl disable firewalld
Removed symlink /etc/systemd/system/basic.target.wants/firewalld.service.
Removed symlink /etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service.

```

```

[root@prod1 ~]# systemctl stop firewalld

```

```

[root@prod1 ~]# firewall-cmd --state
not running

```

```

[root@prod1 ~]#
[root@prod1 ~]# systemctl list-unit-files |grep firewall
firewalld.service                                disabled
[root@prod1 ~]#

```

Modify hostname

Modify hostname to occprod.

occprod means Oracle Cloud Control for Production.

```

[root@prod1 Desktop]# hostnamectl set-hostname occprod.us.oracle.com --static
[root@occprod ~]# hostnamectl
  Static hostname: occprod.us.oracle.com
            Icon name: computer-vm
            Chassis: vm
            Machine ID: 5b9c4ae63e4dcdb81da60a7a913c57
            Boot ID: 39b6afe3701d49fdb104e03acd530783
            Virtualization: vmware
            Operating System: Oracle Linux Server 7.2
            CPE OS Name: cpe:/o:oracle:linux:7:2:server
            Kernel: Linux 3.8.13-98.7.1.el7uek.x86_64
            Architecture: x86-64
[root@occprod ~]#

```

Expand Disk(optional)

I created the VM server with 40G at the beginning, but it is not enough. I resize the vm disk to 80G and then create a new partition with fdisk. If you have enough space, you can skip this step

```

[root@occprod ~]# fdisk /dev/sda
Welcome to fdisk (util-linux 2.23.2).

```

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): p

Disk /dev/sda: 85.9 GB, 85899345920 bytes, 167772160 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x0009d2ec

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	2048	1026047	512000	83	Linux
/dev/sda2		1026048	83886079	41430016	8e	Linux LVM

Command (m for help): m

Command action

- a toggle a bootable flag
- b edit bsd disklabel
- c toggle the dos compatibility flag
- d delete a partition
- g create a new empty GPT partition table
- G create an IRIX (SGI) partition table
- l list known partition types
- m print this menu
- n add a new partition
- o create a new empty DOS partition table
- p print the partition table
- q quit without saving changes
- s create a new empty Sun disklabel
- t change a partition's system id
- u change display/entry units
- v verify the partition table
- w write table to disk and exit
- x extra functionality (experts only)

Command (m for help): n

Partition type:

- p primary (2 primary, 0 extended, 2 free)
- e extended

Select (default p):

Using default response p

Partition number (3,4, default 3):

First sector (83886080-167772159, default 83886080):

Using default value 83886080

Last sector, +sectors or +size{K,M,G} (83886080-167772159, default 167772159):

Using default value 167772159

Partition 3 of type Linux and of size 40 GiB is set

Command (m for help): p

Disk /dev/sda: 85.9 GB, 85899345920 bytes, 167772160 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes

```
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x0009d2ec
```

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	2048	1026047	512000	83	Linux
/dev/sda2		1026048	83886079	41430016	8e	Linux LVM
/dev/sda3		83886080	167772159	41943040	83	Linux

```
Command (m for help): w
The partition table has been altered!
```

```
Calling ioctl() to re-read partition table.
```

```
WARNING: Re-reading the partition table failed with error 16: Device or resource busy.
```

```
The kernel still uses the old table. The new table will be used at the next reboot or after you run partprobe(8) or kpartx(8)
```

```
Syncing disks.
```

```
[root@occpod ~]#
[root@occpod ~]# mkfs.xfs -f /dev/sda3
meta-data=/dev/sda3          isize=256    agcount=4, agsize=2621440 blks
                        =               sectsz=512   attr=2, projid32bit=1
                        =               crc=0      finobt=0
data                =               bsize=4096 blocks=10485760, imaxpct=25
                        =               sunit=0    swidth=0 blks
naming              =version 2      bsize=4096  ascii-ci=0 ftype=0
log                 =internal log   bsize=4096  blocks=5120, version=2
                        =               sectsz=512   sunit=0 blks, lazy-count=1
realtime            =none           extsz=4096  blocks=0, rtextents=0
```

```
[root@occpod ~]#
add below line to /etc/fstab
[root@occpod ~]# cat /etc/fstab |grep oradata
/dev/sda3 /oradata xfs defaults 0 0
[root@occpod ~]#
```

```
[root@occpod ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/mapper/ol-root  38G  3.4G   35G  10% /
devtmpfs        1.4G     0  1.4G   0% /dev
tmpfs           3.0G   84K   3.0G   1% /dev/shm
tmpfs           1.4G   9.0M   1.4G   1% /run
tmpfs           1.4G     0  1.4G   0% /sys/fs/cgroup
/dev/sda3       40G   33M   40G   1% /oradata
/dev/sda1       497M  200M  298M  41% /boot
.host:/         296G  290G   5.9G  99% /mnt/hgfs
tmpfs           275M   12K   275M   1% /run/user/42
tmpfs           275M     0   275M   0% /run/user/0
[root@occpod ~]#
```

Expand swap(optional)

The physical memory 4G with swap 2G is not enough, I expand the swap to 4G.If not, you will encounter issue during installing. If you have enough memory, you can skip this step

```
cd /oradata/
dd if=/dev/zero of=swap bs=1024 count=2048000
```

```

mkswap /oradata/swap
swapon /oradata/swap
[root@occprod ~]# free -m
              total          used          free          shared  buff/cache          available
Mem:           3683            231          3122             9            329           3384
Swap:          4047             0          4047
[root@occprod ~]# swapon
NAME          TYPE          SIZE USED PRIO
/oradata/swap file           2G  0B  -2
/dev/dm-1     partition    2G  0B  -1
[root@occprod ~]# cat /etc/fstab |grep oradata/swap
/oradata/swap swap                                swap defaults          0 0
[root@occprod ~]#

```

Configure VM server

Create User & Directory

```

[root@occprod ~]#mkdir -p /pemrep/oracle/product/121
[root@occprod ~]#groupadd dbpemrep
[root@occprod ~]#useradd -g dbpemrep orpemrep -d /pemrep/oracle
[root@occprod ~]#chown -R orpemrep.dbpemrep /oradata
[root@occprod ~]#chown -R orpemrep.dbpemrep /pemrep
[root@occprod ~]# mkdir -p /pemrep/fmw/oms
[root@occprod ~]# mkdir -p /pemrep/fmw/agent
[root@occprod ~]# mkdir -p /pemrep/fmw/swlib
[root@occprod ~]# chown -R orpemrep.dbpemrep /pemrep/fmw

```

Configure /etc/selinux/config

```
selinux=disabled
```

Configure /etc/security/limits.conf

```

orpemrep soft nproc 4096
orpemrep hard nproc 16384
orpemrep soft nofile 4096
orpemrep hard nofile 65536

```

Configure /etc/pam.d/login

```
session required pam_limits.so
```

Configure /etc/sysctl.conf

```

fs.file-max = 6815744
kernel.sem = 250 32000 100 128
kernel.shmmni = 4096
kernel.shmall = 1073741824
kernel.shmmax = 4398046511104
kernel.panic_on_oops = 1
net.core.rmem_default = 262144
net.core.rmem_max = 4194304
net.core.wmem_default = 262144
net.core.wmem_max = 1048576
net.ipv4.conf.all.rp_filter = 2
net.ipv4.conf.default.rp_filter = 2
fs.aio-max-nr = 1048576
net.ipv4.ip_local_port_range = 11000 65000

```

Run preinstall and Verify result

Run preinstall

```
[root@occprod Packages]# oracle-rdbms-server-12cR1-preinstall-verify
/bin/sed: -e expression #1, char 116: unknown command: `3'
/bin/sed: -e expression #1, char 116: unknown command: `3'
[root@ occprod Packages]#
[root@ occprod Packages]#
```

you see above error message, but it's successfully executed.

If you do not want to see the error message, you can modify below two lines in script.

```
[root@ occprod oracle-rdbms-server-12cR1-preinstall]# diff oracle-rdbms-server-12cR1-preinstall-verify
oracle-rdbms-server-12cR1-preinstall-verify.bak
542c542
<      ${SED} -i /'^#[[:space:]]*$COMMENT'/d ${LIMITSFILE}
---
>      ${SED} -i /"^[[:space:]]*$COMMENT"/d ${LIMITSFILE}
570c570
<      ${SED} -i /'^#[[:space:]]*$COMMENT'/d ${LIMITSFILE}
---
>      ${SED} -i /"^[[:space:]]*$COMMENT"/d ${LIMITSFILE}
[root@ occprod oracle-rdbms-server-12cR1-preinstall]#
```

```
[root@occprod ~]# oracle-rdbms-server-12cR1-preinstall-verify
```

Verify result

```
[root@occprod ~]# cd /var/log/oracle-rdbms-server-12cR1-preinstall/
[root@occprod oracle-rdbms-server-12cR1-preinstall]# ls -ltr
total 0
drwxr-xr-x. 4 root root 60 Jan 20 15:22 backup
drwx-----. 2 root root 26 Jan 20 15:22 results
[root@occprod oracle-rdbms-server-12cR1-preinstall]# cd results/
[root@occprod results]# ls -ltr
total 4
-rw-r--r-- 1 root root 3210 Jan 20 15:22 orakernel.log
[root@occprod results]# less orakernel.log
Adding group oinstall with gid 54321
groupadd: group 'oinstall' already exists
Adding group dba
groupadd: group 'dba' already exists
User oracle is already present
uid=54321(oracle) gid=20000(oinstall) groups=20000(oinstall),20001(dba),10001(asmdba)
Creating oracle user passed
```

Verifying kernel parameters as per Oracle recommendations...

```
fs.file-max is matching with preinstall config.
fs.file-max = 6815744
kernel.sem is matching with preinstall config.
kernel.sem = 250 32000 100 128
kernel.shmmni is matching with preinstall config.
kernel.shmmni = 4096
kernel.shmall is matching with preinstall config.
kernel.shmall = 1073741824
kernel.shmmax is matching with preinstall config.
```

```
kernel.shmmax = 4398046511104
kernel.panic_on_oops is matching with preinstall config.
kernel.panic_on_oops = 1
net.core.rmem_default is matching with preinstall config.
net.core.rmem_default = 262144
net.core.rmem_max is matching with preinstall config.
net.core.rmem_max = 4194304
net.core.wmem_default is matching with preinstall config.
net.core.wmem_default = 262144
net.core.wmem_max is matching with preinstall config.
net.core.wmem_max = 1048576
net.ipv4.conf.all.rp_filter is matching with preinstall config.
net.ipv4.conf.all.rp_filter = 2
net.ipv4.conf.default.rp_filter is matching with preinstall config.
net.ipv4.conf.default.rp_filter = 2
fs.aio-max-nr is matching with preinstall config.
fs.aio-max-nr = 1048576
net.ipv4.ip_local_port_range is matching with preinstall config.
net.ipv4.ip_local_port_range = 11000 65000
Setting kernel parameters as per oracle recommendations...
Altered file /etc/sysctl.conf
Original file backed up at /etc/sysctl.conf.orabackup
Verifying & setting of kernel parameters passed

Setting user limits using /etc/security/limits.d/oracle-rdbms-server-12cR1-preinstall.conf

Verifying oracle user OS limits as per Oracle recommendations...
oracle soft nfile 1024
nfile soft limit is matching with preinstall config.
oracle hard nfile 65536
nfile hard limit is matching with preinstall config.
oracle soft nproc 16384
nproc soft limit is matching with preinstall config.
oracle hard nproc 16384
nproc hard limit is matching with preinstall config.
oracle soft stack 10240
stack soft limit is matching with preinstall config.
oracle hard stack 32768
stack hard limit is matching with preinstall config.
oracle hard memlock 134217728
memlock hard limit is matching with preinstall config.
oracle soft memlock 134217728
memlock soft limit is matching with preinstall config.
Setting oracle user OS limits as per Oracle recommendations...
Altered file /etc/security/limits.d/oracle-rdbms-server-12cR1-preinstall.conf
Original file backed up at /var/log/oracle-rdbms-server-12cR1-preinstall/backup/Jan-20-2016-15-22-18
Verifying & setting of user limits passed

Verifying kernel boot parameters as per Oracle recommendations...
numa=off already present

transparent_hugepage=never already present

Verifying & setting of boot parameters passed

Trying to add NOZEROCONF parameter...
Parameter already present
```

Setting /etc/sysconfig/network parameters passed

Taking a backup of old config files under /var/log/oracle-rdbms-server-12cR1-preinstall/backup/Jan-20-2016-15-22-18

[root@occpod results]#

Install Database Software only

```
[root@occpod ~]# xhost +
access control disabled, clients can connect from any host
[root@occpod ~]# su - orpemprep
Last login: Fri Feb 26 15:35:44 CST 2016 on pts/1
-bash-4.2$ export DISPLAY=:0.0
-bash-4.2$ cd /mnt/hgfs/
12102/ em13100/
-bash-4.2$ cd /mnt/hgfs/12102/database/
-bash-4.2$ ./runInstaller
bash-4.2$ cd /mnt/hgfs/12102/database/
bash-4.2$ ./runInstaller
```



Oracle Database 12c Release 1 Installer – Step 1 of 9

Configure Security Updates

ORACLE DATABASE 12c

Provide your email address to be informed of security issues, install the product and initiate configuration manager. [View details.](#)

Email:

Easier for you if you use your My Oracle Support email address/username.


wish to receive security updates via My Oracle Support.

My Oracle Support Password:

Help < Back Next > Install Cancel

Oracle Database 12c Release 1 Installer - Step 12 of 12

Finish




The installation of Oracle Database was successful.

- Configure Security Updates
- Installation Option
- Grid Installation Options
- Product Languages
- Database Edition
- Installation Location
- Create Inventory
- Operating System Groups
- Prerequisite Checks
- Summary
- Install Product
- Finish**

Help < Back Next > Install Close

Oracle Database 12c Release 1 Installer – Step 2 of 9

Select Installation Option



Configure Security Updates

Installation Option

Grid Installation Options

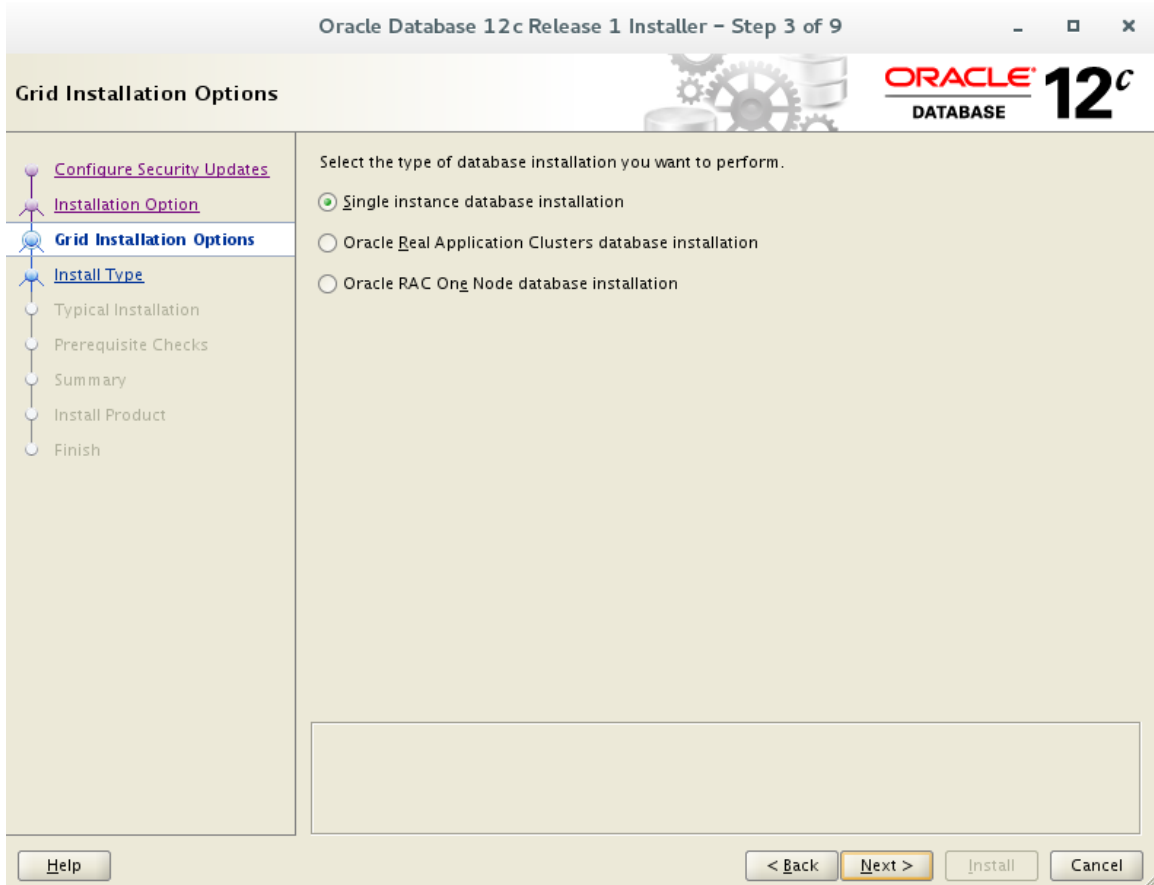
- Install Type
- Typical Installation
- Prerequisite Checks
- Summary
- Install Product
- Finish

Select any of the following install options.

- Create and configure a database
- Install database software only
- Upgrade an existing database


Help

< Back Next > Install Cancel



Oracle Database 12c Release 1 Installer – Step 4 of 11

Select Product Languages



Select the languages in which your product will run.

Available languages:

- Arabic
- Bengali
- Brazilian Portuguese
- Bulgarian
- Canadian French
- Catalan
- Croatian
- Czech
- Danish
- Dutch
- Egyptian
- English (United Kingdom)
- Estonian
- Finnish
- French
- German
- Greek
- Hebrew
- Hungarian
- Icelandic
- Indonesian

Selected languages:


- English

Navigation buttons: < Back, Next >, Install, Cancel

Help

Oracle Database 12c Release 1 Installer – Step 5 of 11

Select Database Edition



[Configure Security Updates](#)
[Installation Option](#)
[Grid Installation Options](#)
[Product Languages](#)
Database Edition
[Installation Location](#)
Operating System Groups
Prerequisite Checks
Summary
Install Product
Finish

Which database edition do you want to install?

Enterprise Edition (6.4GB)
Oracle Database 12c Enterprise Edition is a self-managing database that has the scalability, performance, high availability, and security features required to run the most demanding, mission-critical applications.


Standard Edition (6.1GB)
Oracle Database 12c Standard Edition is a full-featured data management solution ideally suited to the needs of medium-sized businesses. It includes Oracle Real Application Clusters for enterprise-class availability and comes complete with its own Oracle Clusterware and storage management capabilities.

Standard Edition One (6.1GB)
Oracle Database 12c Standard Edition One is a full-featured data management solution ideally suited to the needs of small and medium-sized businesses.

[Help](#) < Back Next > Install Cancel

Oracle Database 12c Release 1 Installer – Step 6 of 11

Specify Installation Location




- Configure Security Updates
- Installation Option
- Grid Installation Options
- Product Languages
- Database Edition
- Installation Location**
- Operating System Groups
- Prerequisite Checks
- Summary
- Install Product
- Finish

Specify a path to place all Oracle software and configuration-related files installed by this installation owner. This location is the Oracle base directory for the installation owner.


Oracle base:

Specify a location for storing Oracle database software files separate from database configuration files in the Oracle base directory. This software directory is the Oracle database home directory.

Software location 

Oracle Database 12c Release 1 Installer – Step 7 of 11

Create Inventory



[Configure Security Updates](#)
[Installation Option](#)
[Grid Installation Options](#)
[Product Languages](#)
[Database Edition](#)
[Installation Location](#)
Create Inventory
[Prerequisite Checks](#)
Summary
Install Product
Finish

You are starting your first installation on this host. Specify a directory for installation metadata files (for example, install log files). This directory is called the "inventory directory". The installer automatically sets up subdirectories for each product to contain inventory data. The subdirectory for each product typically requires 150 kilobytes of disk space.

Inventory Directory:

Specify an operating system group whose members have write permission to the inventory directory (orainventory).

orainventory Group Name:

Oracle Database 12c Release 1 Installer – Step 8 of 12

Privileged Operating System groups

ORACLE 12c DATABASE

Configure Security Updates
Installation Option
Grid Installation Options
Product Languages
Database Edition
Installation Location
Create Inventory
Operating System Groups
Prerequisite Checks
Summary
Install Product
Finish

SYS privileges are required to create a database using operating system (OS) authentication. Membership in OS Groups grants the corresponding SYS privilege, eg. membership in OSDBA grants the SYSDBA privilege.

Database Administrator (OSDBA) group: dbpemrep

Database Operator (OSOPER) group (Optional):

Database Backup and Recovery (OSBACKUPDBA) group: dbpemrep


Data Guard administrative (OSDGDBA) group: dbpemrep

Encryption Key Management administrative (OSKMDBA) group: dbpemrep

Help < Back Next > Install Cancel

Oracle Database 12c Release 1 Installer - Step 9 of 12

Perform Prerequisite Checks



- Configure Security Updates
- Installation Option
- Grid Installation Options
- Product Languages
- Database Edition
- Installation Location
- Create Inventory
- Operating System Groups
- Prerequisite Checks**
- Summary
- Install Product
- Finish

Verifying that the target environment meets minimum installation and configuration requirements for products you have selected. This can take time. Please wait.

94%

Checking Root user consistency ...

Help < Back Next > Install Cancel

Oracle Database 12c Release 1 Installer – Step 9 of 12

Perform Prerequisite Checks

- [Configure Security Updates](#)
- [Installation Option](#)
- [Grid Installation Options](#)
- [Product Languages](#)
- [Database Edition](#)
- [Installation Location](#)
- [Create Inventory](#)
- [Operating System Groups](#)
- Prerequisite Checks**
- [Summary](#)
- [Install Product](#)
- [Finish](#)

Verification Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

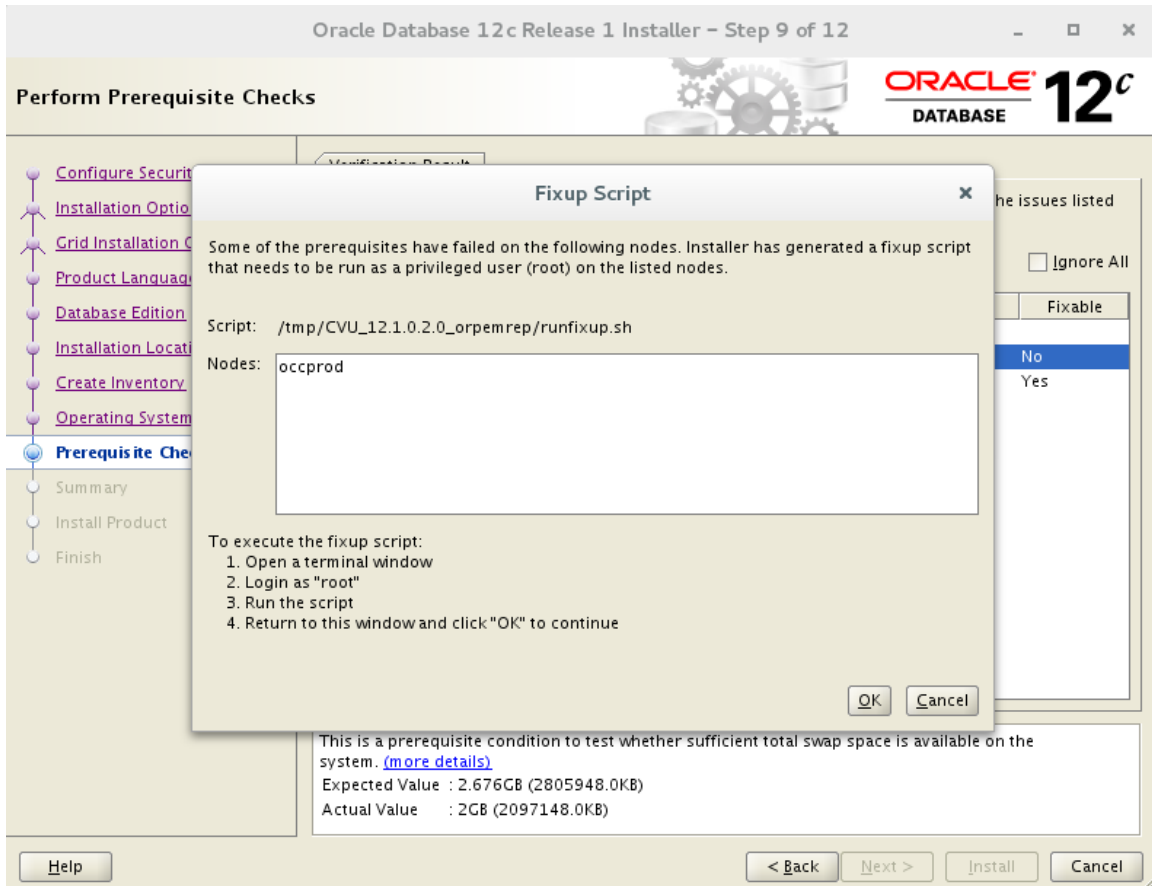
Ignore All

Checks	Status	Fixable
Checks		
Swap Size	Warning	No
Hard Limit: maximum open file descriptors	Failed	Yes

This is a prerequisite condition to test whether sufficient total swap space is available on the system. [\(more details\)](#)

Expected Value : 2.676GB (2805948.0KB)

Actual Value : 2GB (2097148.0KB)




```
[root@occprod ~]# /tmp/CVU_12.1.0.2.0_orpemrep/runfixup.sh
```

All Fix-up operations were completed successfully.

```
[root@occprod ~]#
```

```
[root@occprod ~]#
```

Oracle Database 12c Release 1 Installer – Step 9 of 12

Perform Prerequisite Checks


- [Configure Security Updates](#)
- [Installation Option](#)
- [Grid Installation Options](#)
- [Product Languages](#)
- [Database Edition](#)
- [Installation Location](#)
- [Create Inventory](#)
- [Operating System Groups](#)
- [Prerequisite Checks](#)
- [Summary](#)
- [Install Product](#)
- [Finish](#)

Verification Result
Fixup Result

Some of the minimum requirements for installation are not completed. Review and fix the issues listed in the following table, and recheck the system.

Check Again
Fix & Check Again
Show Failed ▾
 Ignore All

Checks	Status	Fixable
Checks		
Swap Size	Ignored	No

This is a prerequisite condition to test whether sufficient total swap space is available on the system. [\(more details\)](#)

Expected Value : 2.676GB (2805948.0KB)

Actual Value : 2GB (2097148.0KB)

Help
< Back
Next >
Install
Cancel

Oracle Database 12c Release 1 Installer – Step 10 of 12

Summary

ORACLE DATABASE 12^c

- [Configure Security Updates](#)
- [Installation Option](#)
- [Grid Installation Options](#)
- [Product Languages](#)
- [Database Edition](#)
- [Installation Location](#)
- [Create Inventory](#)
- [Operating System Groups](#)
- [Prerequisite Checks](#)
- Summary**
- Install Product
- Finish

Oracle Database 12c Release 1 Installer

- Global settings**
 - Disk space: required 6.4 GB available 33.57 GB [\[Edit\]](#)
 - Source location: /mnt/hgfs/12102/database/install/./stage/products.xml
 - Database edition: Enterprise Edition (Install database software only) [\[Edit\]](#)
 - Oracle base: /pemrep/oracle/product [\[Edit\]](#)
 - Software location: /pemrep/oracle/product/121 [\[Edit\]](#)
 - Privileged Operating System groups: dbpemprep (OSDBA), dbpemprep (OSBACKUPDBA), dbpemprep
- Inventory information**
 - Inventory location: /pemrep/oracle/oralInventory [\[Edit\]](#)
 - oralInventory group: dbpemprep [\[Edit\]](#)

[Save Response File...](#)

[Help](#) [< Back](#) [Next >](#) [Install](#) [Cancel](#)

Oracle Database 12c Release 1 Installer - Step 11 of 12

Install Product

Configure Security Updates
Installation Option
Grid Installation Options
Product Languages
Database Edition
Installation Location
Create Inventory
Operating System Groups
Prerequisite Checks
Summary
Install Product
Finish

Progress

75%

Linking RDBMS Executables

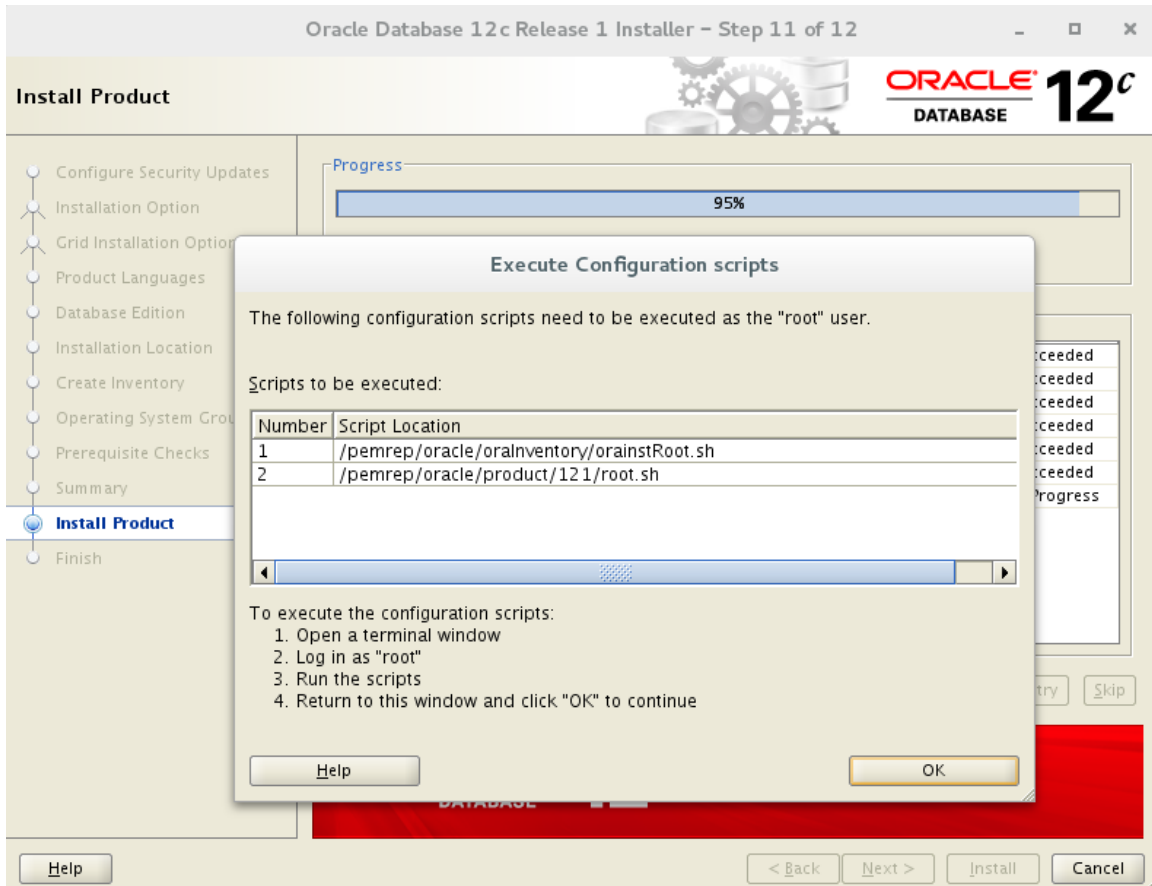
Status

➔	Oracle Database installation	In Progress
✓	• Prepare	Succeeded
✓	• Copy files	Succeeded
➔	• Link binaries	In Progress
	• Setup	Pending
	Setup Oracle Base	Pending
	Execute Root Scripts	Pending

Details Retry Skip

ORACLE 12c
DATABASE

Help < Back Next > Install Cancel



Run root scripts

```
[root@occpod ~]# /pemrep/oracle/orainventory/orainstRoot.sh
```

Changing permissions of /pemrep/oracle/orainventory.

Adding read,write permissions for group.

Removing read,write,execute permissions for world.

Changing groupname of /pemrep/oracle/orainventory to dbpemrep.

The execution of the script is complete.

```
[root@occpod ~]# /pemrep/oracle/product/121/root.sh
```

Performing root user operation.

The following environment variables are set as:

```
ORACLE_OWNER= orpemrep
```

```
ORACLE_HOME= /pemrep/oracle/product/121
```

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

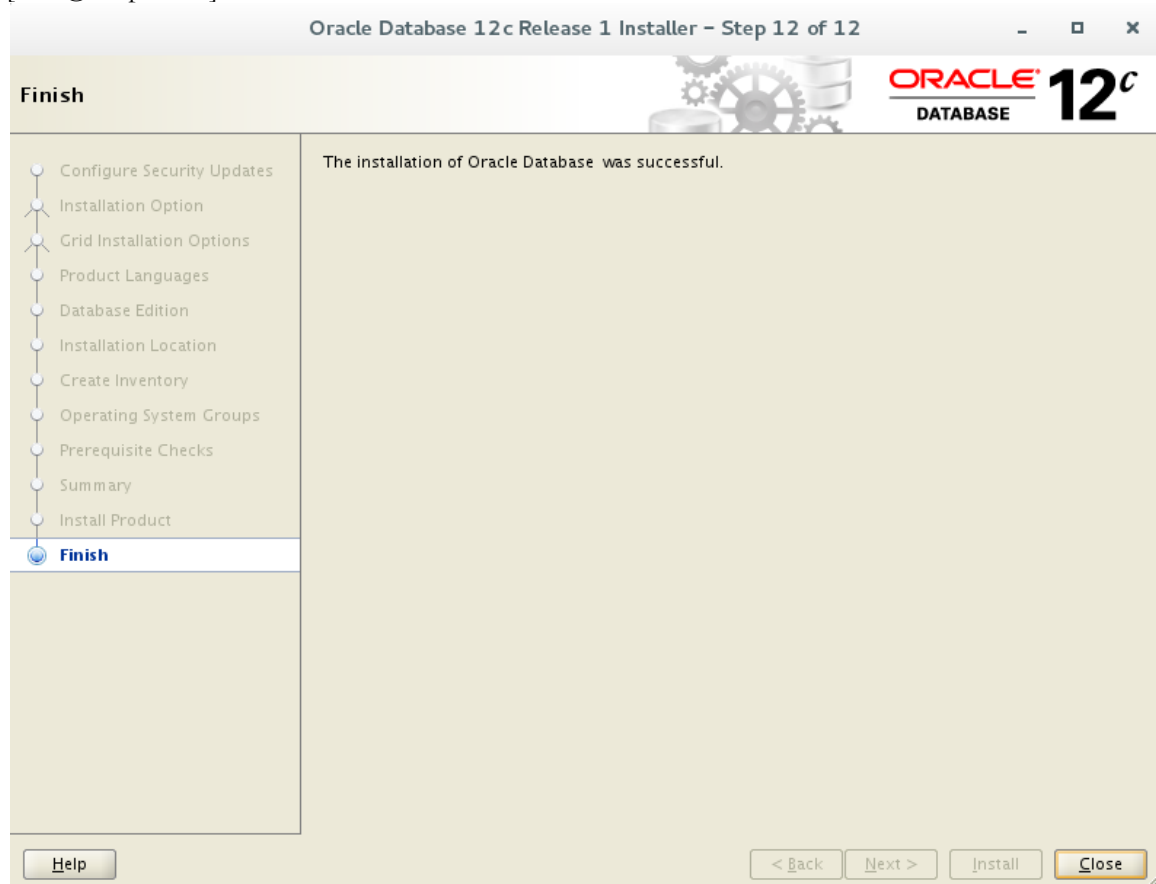
```
Copying dbhome to /usr/local/bin ...
```

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

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

Creating /etc/oratab file...

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 script.
 Now product-specific root actions will be performed.
 [root@occpod ~]#



Create Database

Download database template for EM

<http://www.oracle.com/technetwork/oem/enterprise-manager/downloads/index.html>
<http://www.oracle.com/technetwork/oem/enterprise-manager/downloads/db-templates-2767916.html>

```
-bash-4.2$ pwd
/pemrep/oracle/product/121/assistants/dbca/templates
-bash-4.2$ cp
/mnt/hgfs/12102/12.1.0.2.0_Database_Template_for_EM13_1_0_0_Linux_x64.zip .
-bash-4.2$ ls -ltr
total 1219168
-rw-r--r-- 1 orpemrep dbpemrep      11000 Dec 23 2013 New_Database.dbt
-rw-r--r-- 1 orpemrep dbpemrep  2379776 Jul 7 2014 example.dmp
-rw-r--r-- 1 orpemrep dbpemrep  22339584 Jul 7 2014 example01.dfb
-rw-r--r-- 1 orpemrep dbpemrep  178683904 Jul 7 2014 sampleschema.dfb
-rw-r--r-- 1 orpemrep dbpemrep     5333 Jul 7 2014 sampleschema.xml
-rw-r--r-- 1 orpemrep dbpemrep  155189248 Jul 7 2014 pdbseed.dfb
-rw-r--r-- 1 orpemrep dbpemrep     4045 Jul 7 2014 pdbseed.xml
```



```

-rw-r--r-- 1 orpemrep dbpemrep 319102976 Jul  7  2014 Seed_Database.dfb
-rw-r--r-- 1 orpemrep dbpemrep  17973248 Jul  7  2014 Seed_Databasectl
-rw-r--r-- 1 orpemrep dbpemrep    5028 Jul  7  2014 Data_Warehouse.dbc
-rw-r--r-- 1 orpemrep dbpemrep    4908 Jul  7  2014 General_Purpose.dbc
-rwxr-xr-x 1 orpemrep dbpemrep 552714982 Feb 26 16:01
12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Linux_x64.zip
-bash-4.2$ unzip 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Linux_x64.zip
Archive:  12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Linux_x64.zip
  inflating: set_repo_param_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0_Large_deployment.sql
  inflating:
set_repo_param_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0_Medium_deployment.sql
  inflating: set_repo_param_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0_Small_deployment.sql
  inflating: shpool_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0.sql
  inflating: 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Large_deployment.dbc
  inflating: 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Medium_deployment.dbc
  inflating: 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Small_deployment.dbc
  inflating: 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0.dfb
  inflating: 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0ctl
-bash-4.2$

```

Overview
Downloads
Documentation
Community
Learn More

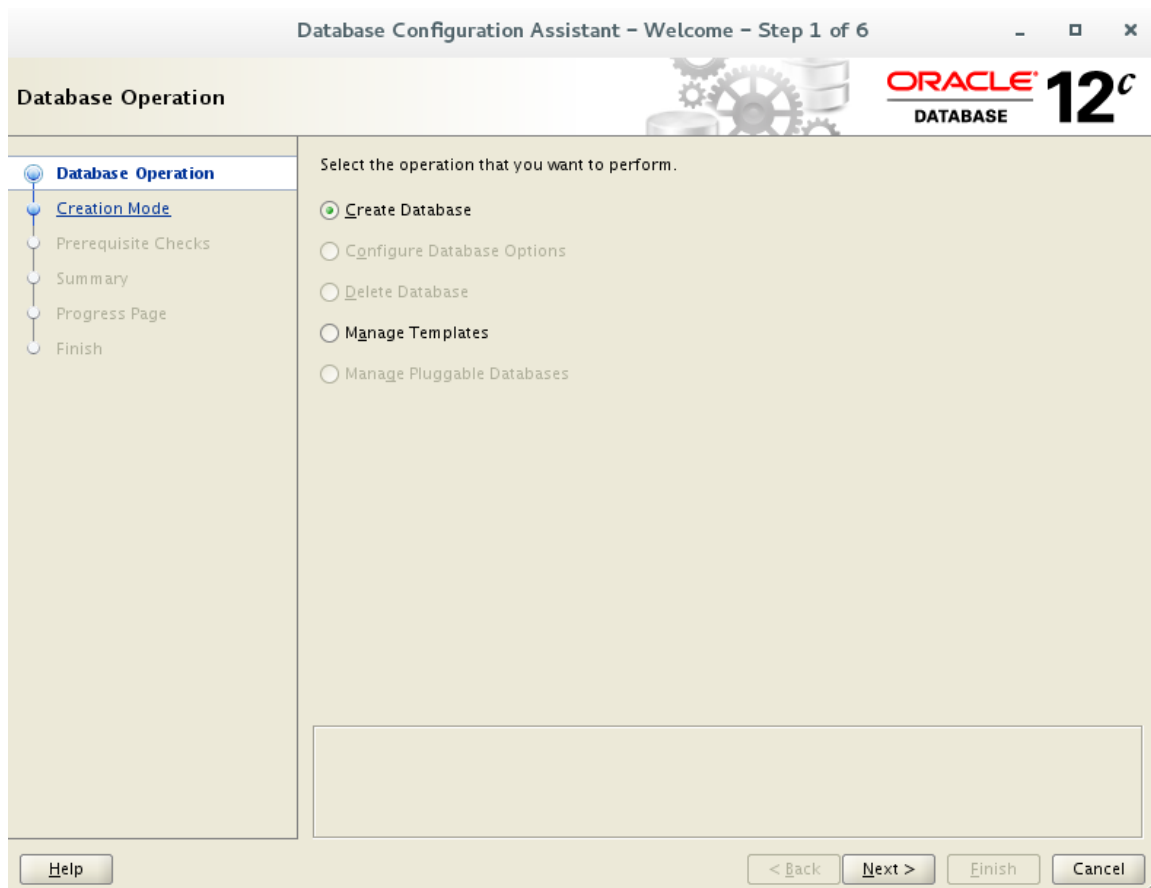
Database Template (with EM 13.1.0.0 repository pre-configured) for Installing Oracle Enterprise Manager Cloud Control 13c Release 1 (13.1.0.0)

Thank you for accepting the OTN License Agreement; you may now download this software.

Note: You can use following DB templates only with EM 13.1.0.0 release. Refer to the EM 13.1.0.0 [Install guide](#) to learn how to use these DB templates to setup database that will house the EM repository. 13.1.0.0 DB templates are only for 12.1.0.2 version of DB

- [12.1.0.2 DB Template for EM 13.1.0.0 on Linux x86-64](#)
(552,714,982 bytes, cksum 1272259246)
- [12.1.0.2 DB Template for EM 13.1.0.0 on IBM AIX on POWER Systems](#)
(570,839,523 bytes, cksum 3934499539)
- [12.1.0.2 DB Template for EM 13.1.0.0 on Windows x86-64 \(64-bit\)](#)
(435,761,946 bytes, cksum 425874213)
- [12.1.0.2 DB Template for EM 13.1.0.0 on Solaris Operating System \(SPARC\)](#)
(446,703,748 bytes, cksum 3384741377)
- [12.1.0.2 DB Template for EM 13.1.0.0 on Solaris Operating System \(x86-64\)](#)
(585,097,533 bytes, cksum 12157950)
- [12.1.0.2 DB Template for EM 13.1.0.0 on HP-UX Itanium](#)
(523,860,368 bytes, cksum 899608492)

Create database with EM template



Database Configuration Assistant - Create Database - Step 2 of 14

ORACLE DATABASE 12^c

Creation Mode

- Database Operation
- Creation Mode**
- Database Template
- Database Identification
- Management Options
- Database Credentials
- Storage Locations
- Database Options
- Initialization Parameters
- Creation Options
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Create a database with default configuration

Global Database Name:

Storage Type:

Database Files Location:

Fast Recovery Area:

Database Character Set:

Administrative Password:



Confirm Password:

Create As Container Database

Pluggable Database Name:

Advanced Mode

Database Configuration Assistant – Create Database – Step 3 of 14

Database Template

- Database Operation
- Creation Mode
- Database Template
- Database Identification
- Management Options
- Database Credentials
- Storage Locations
- Database Options
- Initialization Parameters
- Creation Options
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Templates that include datafiles contain pre-created databases. They allow you to create a new database in minutes, as opposed to an hour or more. Use templates without datafiles only when necessary, such as when you need to change attributes like block size, which cannot be altered after database creation.

Select a template for your database.


Select	Template	Includes Datafiles
<input type="radio"/>	General Purpose or Transaction Processing	Yes
<input type="radio"/>	12.1.0.2.0 Database Template for EM13 1 0 0 0 Large depl...	Yes
<input type="radio"/>	12.1.0.2.0 Database Template for EM13 1 0 0 0 Medium d...	Yes
<input checked="" type="radio"/>	12.1.0.2.0 Database Template for EM13 1 0 0 0 Small depl...	Yes
<input type="radio"/>	Custom Database	No
<input type="radio"/>	Data Warehouse	Yes

[Show Details...](#)

[Help](#)

Database Configuration Assistant - Create Database - Step 4 of 14

Database Identification




- Database Operation
- Creation Mode
- Database Template
- Database Identification**
- Management Options
- Database Credentials
- Storage Locations
- Database Options
- Initialization Parameters
- Creation Options
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Provide the identifier information required to access the database uniquely. An Oracle database is uniquely identified by a Global database name, typically of the form "name.domain". Additionally, a database is referenced by at least one Oracle instance which is uniquely identified from any other instance on this system by an Oracle system identifier (SID).

Global Database Name:

SID:

 Create As Container Database

Creates a database container for consolidating multiple databases into a single database and enables database virtualization. A container database (CDB) can have zero or more pluggable databases (PDB).

Help< BackNext >FinishCancel

Database Configuration Assistant - Create Database - Step 5 of 14

Management Options

ORACLE DATABASE 12c


Specify the management options for the database.

- Configure Enterprise Manager (EM) Database Express**
EM Database Express Port: 5500
- Register with Enterprise Manager (EM) Cloud Control
 - OMS Host:
 - OMS Port:
 - EM Admin Username:
 - EM Admin Password:

Navigation: Help, < Back, Next >, Finish, Cancel

Database Configuration Assistant - Create Database - Step 6 of 15

Database Credentials



For security reasons, you must specify passwords for the following user accounts in the new database.

Use Different Administrative Passwords

User Name	Password	Confirm Password
SYS		
SYSTEM		

Use the Same Administrative Password for All Accounts

Password:



Confirm Password:

Messages:

Warning: The password entered does not conform to the Oracle recommended standards. A password should have minimum of 8 characters in length. In addition, the password must contain at least one upper case character, one lower case character and one digit.

Help < Back Next > Finish Cancel

Database Configuration Assistant - Create Database - Step 7 of 15

Network Configuration

- Database Operation
- Creation Mode
- Database Template
- Database Identification
- Management Options
- ✖ Database Credentials
- **Network Configuration**
- Storage Locations
- Database Options
- Initialization Parameters
- Creation Options
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Listener Selection

Listeners from current Oracle home are listed below. To create a new listener in current Oracle home, specify the listener name and port.

Select Listeners.

Select	Name	Port	Oracle Home	Status

Create a New Listener

Listener Name:

Listener Port:

Target Oracle Home: /pemrep/oracle/product/121

Help
< Back
Next >
Finish
Cancel

Database Configuration Assistant - Create Database - Step 8 of 15

ORACLE DATABASE 12c

Storage Locations

- Database Operation
- Creation Mode
- Database Template
- Database Identification
- Management Options
- Database Credentials
- Network Configuration
- Storage Locations**
- Database Options
- Initialization Parameters
- Creation Options
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Database files Storage Type: File System

Use Database File Locations from Template

Use Common Location for All Database Files

File Location: /oradata

Use Oracle-Managed Files

Choose the recovery options for the database.

Recovery files Storage Type: File System

Specify Fast Recovery Area

Fast Recovery Area:

Fast Recovery Area Size:

Enable Archiving

Database Configuration Assistant – Create Database – Step 9 of 15

ORACLE **12^c**
DATABASE

Database Options

- Database Operation
- Creation Mode
- Database Template
- Database Identification
- Management Options
- Database Credentials
- Network Configuration
- **Storage Locations**
- **Database Options**
- **Initialization Parameters**
- Creation Options
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Database Vault & Label Security

Specify the Database Vault Owner and Password.

Configure Database Vault

Database Vault Owner:

Password: Confirm Password:

Create a Separate Account Manager

Account Manager:

Password: Confirm Password:

Select Label Security configuration options.

Configure Label Security

Configure with OID

Amend the memory settings as desired, click on the "Character Sets" tab and select the "AL32UTF8" option and click the "Next" button. In this case I'm accepting the memory defaults.

Database Configuration Assistant – Create Database – Step 10 of 15

Initialization Parameters

ORACLE DATABASE 12^c

Memory Sizing Character Sets Connection Mode

Typical Settings

Memory Size (SGA and PGA): 1080 MB

Percentage: 40 %

Use Automatic Memory Management

Custom Settings

Memory Management: Automatic Shared Memory Management

SGA Size: -1 M Bytes

PGA Size: -1 M Bytes

Total Memory for Oracle: 1080 MB

All Initialization Parameters...

Help < Back Next > Finish Cancel

Database Configuration Assistant – Create Database – Step 10 of 15

Initialization Parameters

ORACLE DATABASE 12c

Memory Sizing Character Sets Connection Mode

Typical Settings

Memory Size (SGA and PGA): 1840 MB

Percentage: 40%

Use Automatic Memory Management

Custom Settings

Memory Management: Automatic Shared Memory Management

SGA Size: 1,380 M Bytes

PGA Size: 460 M Bytes

Total Memory for Oracle: 1840 MB

All Initialization Parameters...

Help < Back Next > Finish Cancel

Database Configuration Assistant – Create Database – Step 10 of 15

ORACLE DATABASE 12c

Initialization Parameters

- Database Operation
- Creation Mode
- Database Template
- Database Identification
- Management Options
- Database Credentials
- Network Configuration
- Storage Locations
- Database Options
- Initialization Parameters**
- Creation Options
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Memory | Sizing | **Character Sets** | Connection Mode

Use the default
The default character set for this database is based on the language setting of this operating system: WE8MSWIN1252.

Use Unicode (AL32UTF8)
Setting character set to Unicode (AL32UTF8) enables you to store multiple language groups.

Choose from the list of character sets

Database Character Set:

Show recommended character sets only

National Character Set:

Default Language:

Default Territory:

All Initialization Parameters...

Help | < Back | Next > | Finish | Cancel

Database Configuration Assistant – Create Database – Step 11 of 15

ORACLE **12^c**
DATABASE

Creation Options

- Database Operation
- Creation Mode
- Database Template
- Database Identification
- Management Options
- Database Credentials
- Network Configuration
- Storage Locations
- Database Options
- Initialization Parameters
- Creation Options**
- Prerequisite Checks
- Summary
- Progress Page
- Finish

Select the database creation options.

Create Database

Save as a Database Template



Name:

Description:

Generate Database Creation Scripts

Destination Directory:

Database Configuration Assistant – Create Database – Step 13 of 15

Summary

- [Database Operation](#)
- [Creation Mode](#)
- [Database Template](#)
- [Database Identification](#)
- [Management Options](#)
- [Database Credentials](#)
- [Network Configuration](#)
- [Storage Locations](#)
- [Database Options](#)
- [Initialization Parameters](#)
- [Creation Options](#)
- [Prerequisite Checks](#)
- [Summary](#)
- [Progress Page](#)
- [Finish](#)

Database Configuration Assistant: Summary

Create Database – Summary

Database Configuration Summary

Global Database Name: pemrep
Database Configuration Type: Single Instance
SID: pemrep
Create As Container Database: Yes
Storage Type: File System
Memory Configuration Type: Automatic Memory Management
Template Name: General Purpose or Transaction Processing

Database Configuration Details

Database Components

Component	Selected
Oracle JVM	true
Oracle Text	true
Oracle Multimedia	true
Oracle OLAP	true
Oracle Spatial	true

Help
< Back
Next >
Finish
Cancel

Database Configuration Assistant – Create Database – Step 14 of 15

Progress Page

ORACLE DATABASE 12c

Progress

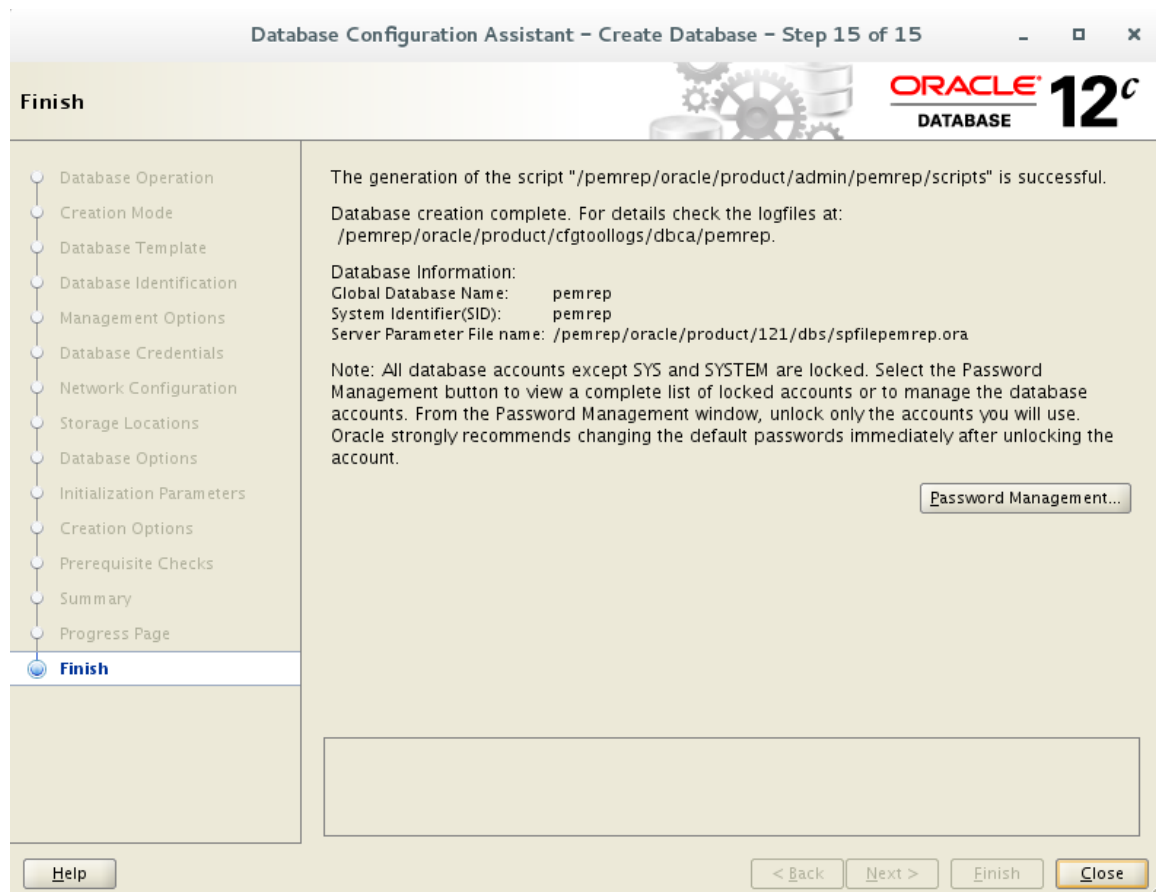
Clone database "pemrep" creation in progress...

6%

Steps	Status
Copying database files	In Progress
Creating and starting Oracle instance	
Completing Database Creation	

Activity Log Alert Log

Help < Back Next > Finish Cancel



```
-bash-4.2$ lsnrctl status pemrep
```

```
LSNRCTL for Linux: Version 12.1.0.2.0 - Production on 20-JAN-2016 23:10:38
```

```
Copyright (c) 1991, 2014, Oracle. All rights reserved.
```

```
Connecting to
(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=occprod.us.oracle.com)(PORT=10010)))
STATUS of the LISTENER
```

```
-----
Alias                pemrep
Version              TNSLSNR for Linux: Version 12.1.0.2.0 - Production
Start Date           20-JAN-2016 23:02:14
Uptime               0 days 0 hr. 8 min. 23 sec
Trace Level          off
Security              ON: Local OS Authentication
SNMP                 OFF
Listener Parameter File /pemrep/oracle/product/121/network/admin/listener.ora
Listener Log File    /pemrep/oracle/product/diag/tnslsnr/occprod/pemrep/alert/log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=occprod)(PORT=10010)))

  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcps)(HOST=occprod)(PORT=5500))(Security=(my_wallet_
directory=/pemrep/oracle/product/admin/pemrep/xdm_wallet))(Presentation=HTTP)(Session=RAW))
Services Summary...
```

```

Service "ohsdba" has 1 instance(s).
  Instance "pemrep", status READY, has 1 handler(s) for this service...
Service "pemrep" has 1 instance(s).
  Instance "pemrep", status READY, has 1 handler(s) for this service...
Service "pemrepXDB" has 1 instance(s).
  Instance "pemrep", status READY, has 1 handler(s) for this service...
The command completed successfully
-bash-4.2$

```

OMS Install Steps

```

[oracle@occpod ~]$ cd /mnt/hgfs/em13100/
[oracle@occpod em13100]$ ls -l
total 6616016
-rwxrwxrwx 1 root root 1315250699 Dec 19 15:11 em13100_linux64-2.zip
-rwxrwxrwx 1 root root 2145473190 Dec 19 17:14 em13100_linux64-3.zip
-rwxrwxrwx 1 root root 2141357330 Dec 24 18:57 em13100_linux64-4.zip
-rwxrwxrwx 1 root root 331590923 Dec 24 18:47 em13100_linux64-5.zip
-rwxrwxrwx 1 root root 841114290 Dec 19 13:33 em13100_linux64.bin
[oracle@occpod em13100]$ ./em13100_linux64.bin

```

Oracle Enterprise Manager Cloud Control 13c Installation - Step 1 of 11

My Oracle Support Details ORACLE Enterprise Manager Cloud Control 13c

Provide your email address to be informed of security issues, install the product and initiate configuration manager. [View details.](#)

Email:

Easier for you if you use your My Oracle Support email address/username.

I wish to receive security updates via My Oracle Support.

My Oracle Support Password:

Help < Back Next > Install Cancel

Oracle Enterprise Manager Cloud Control 13c Installation - Step 2 of 11

Software Updates

ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates**
- Oracle Inventory
- Prerequisite Checks
- Installation Types
- Installation Details
- Configuration Details
- Shared Location Details
- Review
- Install Progress
- Finish

Skip

Search for Updates (Prerequisites, Critical Patches, Interim Patches, Plug-ins, etc.)

Local Directory

My Oracle Support (Requires Internet Connection)

 User Name

 Password

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation - Step 3 of 10

Prerequisite Checks
ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- [Software Updates](#)
- **Prerequisite Checks**
- [Installation Types](#)
- Installation Details
- Configuration Details
- Shared Location 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 whether the Oracle software being installed is certified ...	Succeeded
Checking whether the required packages are installed on the host...	Succeeded
Checking whether the required glibc package is installed on the h...	Succeeded
Checking for sufficient inventory directory space...	Succeeded
Checking whether the software is compatible with the current ope...	Succeeded
Checking time zone settings...	Succeeded
Checking for the required kernel parameters...	Succeeded
Checking for sufficient physical memory...	Warning
Checking for sufficient swap space...	Succeeded
Checking for the LD_ASSUME_KERNEL environment variable...	Succeeded
Checking for the http_proxy environment variable...	Succeeded

Checking for sufficient physical memory...

Description:
Checks whether the host has the required physical memory.

Expected result: 10240MB
Actual Result: 2740MB
Check complete. The overall result of this check is: Failed <<<<

Recommendation:
You do not have the required physical memory to perform the install. You need a minimum of 10 GB RAM. Arrange for the required physical memory before proceeding any further.

Oracle Enterprise Manager Cloud Control 13c Installation - Step 4 of 14

Installation Types

ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates
- Prerequisite Checks
- Installation Types**
- Installation Details
- Select Plug-ins
- WebLogic Server Configuratio
- Database Connection Details
- Enterprise Manager Configur
- Shared Location Details
- Port Configuration Details
- Review
- Install Progress
- Finish

Create a new Enterprise Manager system

- Simple
- Advanced**

Install software only
(Installs only the software binaries. Allows you configure or upgrade at a later stage.)

Messages:

Help < Back Next > Install Cancel

Oracle Enterprise Manager Cloud Control 13c Installation - Step 5 of 14

Installation Details ORACLE Enterprise Manager Cloud Control 13c

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

Middleware Home Location

Agent Base directory

Host Name

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation - Step 6 of 14

Select Plug-ins ORACLE Enterprise Manager Cloud Control 13c

Plug-ins provide management capabilities tailored to specific types of targets or solution areas and typically have their own lifecycle independent of the Enterprise Manager core platform. Select the plug-ins you want to configure.

Select	Name	Version
<input checked="" type="checkbox"/>	Oracle Cloud Framework	13.1.1.0.0
<input checked="" type="checkbox"/>	Oracle Database	13.1.1.0.0
<input checked="" type="checkbox"/>	Oracle Exadata	13.1.1.0.0
<input checked="" type="checkbox"/>	Oracle Fusion Middleware	13.1.1.0.0
<input checked="" type="checkbox"/>	Systems Infrastructure	13.1.1.0.0
<input type="checkbox"/>	Apache Tomcat	13.1.1.0.0
<input type="checkbox"/>	IBM DB2 Database	12.1.0.4.0
<input type="checkbox"/>	Microsoft .Net Framework	13.1.1.0.0
<input type="checkbox"/>	Microsoft Active Directory	13.1.1.0.0
<input type="checkbox"/>	Microsoft IIS	13.1.1.0.0
<input type="checkbox"/>	Microsoft SQLServer Database	12.1.0.6.0
<input type="checkbox"/>	Oracle Audit Vault	12.1.0.4.0
<input type="checkbox"/>	Oracle Audit Vault and Database Firewall	13.1.1.0.0
<input type="checkbox"/>	Oracle Big Data Appliance	13.1.1.0.0
<input type="checkbox"/>	Oracle Cloud Application	13.1.1.0.0
<input type="checkbox"/>	Oracle Consolidation Planning and Chargeback	13.1.1.0.0
<input type="checkbox"/>	Oracle Engineered System Healthchecks	13.1.1.0.0
<input type="checkbox"/>	Oracle Fusion Applications	13.1.1.0.0
<input type="checkbox"/>	Oracle ORAchk Healthchecks	13.1.1.0.0
<input type="checkbox"/>	Oracle Siebel	13.1.1.0.0
<input type="checkbox"/>	Oracle Storage Management Framework	13.1.1.0.0
<input type="checkbox"/>	Oracle Virtual Infrastructure	13.1.1.0.0
<input type="checkbox"/>	Oracle Virtual Networking	12.1.0.2.0
<input type="checkbox"/>	Oracle Virtualization	13.1.1.0.0
<input type="checkbox"/>	Oracle WebLogic Server	13.1.1.0.0

Oracle Enterprise Manager Cloud Control 13c Installation - Step 7 of 14

WebLogic Server Configuration Details

ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates
- Prerequisite Checks
- Installation Types
- Installation Details
- Select Plug-ins
- WebLogic Server Configur**
- Database Connection Details
- Enterprise Manager Configur
- Shared Location Details
- Port Configuration Details
- Review
- Install Progress
- Finish

WebLogic Domain Name: GCDomain

WebLogic User Name:

WebLogic Password:

Confirm Password:

Node Manager User Name: nodemanager

Node Manager Password:

Confirm Password:

OMS Instance Base Location:

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation - Step 8 of 14

Database Connection Details

ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates
- Prerequisite Checks
- Installation Types
- Installation Details
- Select Plug-ins
- WebLogic Server Configuration
- Database Connection Det.**
- Enterprise Manager Configur.
- Shared Location Details
- Port Configuration Details
- Review
- Install Progress
- Finish

Database Host Name:

Port:

Service/SID:

SYS Password:

Deployment Size:

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation - Step 8 of 14

Database Connection Details

ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates
- Prerequisite Checks
- Installation Types
- Installation Details
- Select Plug-ins
- WebLogic Server Configuration

Database Host Name:


Port:

Service/SID:

SYS Password:

Deployment Size:

Warning

 For the deployment size you have selected, you must have at least 3 GB of physical memory. You currently have only 2 GB of physical memory. This will not cause the installation to fail, but will affect the performance of Enterprise Manager. Either exit the installer, allocate the required memory, and retry the installation, or finish the installation and then allocate the required memory.

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation - Step 8 of 14

Database Connection Details

ORACLE Enterprise Manager Cloud Control 13c

Database Host Name:

Port:

My Oracle Support Details

Software Updates

Prerequisite Checks

Installation Types

Installation Details

Select Plug-ins

WebLogic Server Configuration

Database Connection

Enterprise Manager Configuration

Shared Location Details

Port Configuration

Review

Install Progress

Finish

Warning

The following prerequisite check failed because the Oracle Database, where the Management Repository will be configured, does not meet the configuration requirements. These failures do not impact the installation, but you may encounter performance issues with the product later. You can either click Cancel, fix the issue manually now, based on the recommendation offered for this prerequisite, and click Next, or you can click OK to fix it after the installation ends. For more details check the logs: /tmp/Orainstall2016-02-26_08-45-21PM/emdbprereqs

Prereq Name	Recommendation
Check the pga_aggregate_target instance parameter value.	The pga_aggregate_target instance parameter should be set to at least 1000000000 bytes.
Check the sga_target instance parameter value.	The sga_target instance parameter should be set to at least 2000000000 bytes.

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation - Step 9 of 14

Enterprise Manager Configuration Details

ORACLE Enterprise Manager Cloud Control 13c

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

SYSMAN Password

Confirm Password

Agent Registration Password

Confirm Password

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation – Step 10 of 14

Enterprise Manager Shared Location Details

ORACLE Enterprise Manager Cloud Control 13c

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

Configure Oracle Software Library

Software Library Location:

If you are planning to have a multi-OMS setup, then enter a shared location that is accessible from all the OMS instances.

Configure a Shared Location for Oracle BI Publisher

Config Volume:

Cluster Volume:

Sets up the shared storage for BI Publisher, in preparation for adding an OMS (which will also contain a scaled-out BI Publisher). Adding an OMS will also add a BI Publisher server that will function in a High Availability environment. Therefore, BI Publisher will support both redundancy and scalability.

Config volume contains the BI Publisher repository and configuration files.
Cluster volume contains storage required for the BI Publisher scheduler to operate in a HA environment.

Enable BI Publisher

Enable Oracle BI Publisher

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation – Step 11 of 14

Port Configuration Details ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates
- Prerequisite Checks
- Installation Types
- Installation Details
- Select Plug-ins
- WebLogic Server Configuratio
- Database Connection Details
- Enterprise Manager Configur
- [Shared Location Details](#)
- **Port Configuration Details**
- [Review](#)
- Install Progress
- Finish

Configuration of the Enterprise Manager system requires the allocation of several ports to facilitate internal communication between system components and to provide access to the console through a browser. The following table contains the ports that will be allocated, along with the recommended port ranges, for each component. By default, the first available port in the specified port range has been chosen.

Component Name	Recommended Port Range	Port
Enterprise Manager Upload Http Port	4889-4898	4889
Enterprise Manager Upload Http SSL Port	1159,4899-4908	4903
OHS Http Port	9788,9751-9800	9788
BI Publisher Http Port	9701,9701-9750	9701
Enterprise Manager Central Console Http SSL Port	7799-7809	7803
Node Manager Http SSL Port	7401-7500	7403
BI Publisher Http SSL Port	9801,9801-9850	9803
OHS Http SSL Port	9899,9851-9900	9851
Managed Server Http Port	7201-7300	7202
Oracle Management Agent Port	3872,1830-1849	3872
Enterprise Manager Central Console Http Port	7788-7798	7788
Admin Server Http SSL Port	7101-7200	7102
Managed Server Http SSL Port	7301-7400	7301

Messages:

Oracle Enterprise Manager Cloud Control 13c Installation - Step 12 of 14

Review ORACLE Enterprise Manager Cloud Control 13c

- [My Oracle Support Details](#)
- [Software Updates](#)
- [Prerequisite Checks](#)
- [Installation Types](#)
- [Installation Details](#)**
- [Select Plug-ins](#)
- [WebLogic Server Configuratio](#)
- [Database Connection Details](#)
- [Enterprise Manager Configur.](#)
- [Shared Location Details](#)
- [Port Configuration Details](#)
- Review**
- Install Progress
- Finish

Review the information you have provided, and click Install to begin the installation process.

Install a new Enterprise Manager system

- Source: /mnt/hgfs/em13100stage/products.xml
- Disk Space**
 - Available: 21.00GB
 - Required: 17.5 GB
- Installation Location**
 - Oracle Management Service Home: /pemrep/fmw/oms
 - Oracle Management Agent Home: /pemrep/fmw/agent/agent_13.1.0.0.0
- Database Information**
 - Connect String: (DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=...
 - Tablespace Information**
 - Management Tablespace: /oradata/pemrep/mgmt.dbf
 - Configuration Data Tablespace: /oradata/pemrep/mgmt_ecm_depot1.dbf
 - JVM Diagnostics Data Tablespace: /oradata/pemrep/mgmt_deepdive.dbf
 - WebLogic Server Information**
 - Domain Name: GCDomain
 - Node Manager User Name: nodemanager

Help < Back Next > **Install** Cancel

Oracle Enterprise Manager Cloud Control 13c Installation - Step 12 of 14

Review ORACLE Enterprise Manager Cloud Control 13c

- [My Oracle Support Details](#)
- [Software Updates](#)
- [Prerequisite Checks](#)
- [Installation Types](#)
- [Installation Details](#)**
- [Select Plug-ins](#)
- [WebLogic Server Configuration](#)
- [Database Connection Details](#)
- [Enterprise Manager Configur.](#)
- [Shared Location Details](#)
- [Port Configuration Details](#)
- Review**
- Install Progress
- Finish

Review the information you have provided, and click Install to begin the installation process.

WebLogic Server Information

- Domain Name: GCDomain
- Node Manager User Name: nodemanager
- WebLogic Server User Name: weblogic

Ports

- Enterprise Manager Upload Http Port : 4889
- Enterprise Manager Upload Http SSL Port : 4903
- OHS Http Port : 9788
- BI Publisher Http Port : 9701
- Enterprise Manager Central Console Http SSL Port : 7803
- Node Manager Http SSL Port : 7403
- BI Publisher Http SSL Port : 9803
- OHS Http SSL Port : 9851
- Managed Server Http Port : 7202
- Oracle Management Agent Port : 3872
- Enterprise Manager Central Console Http Port : 7788
- Admin Server Http SSL Port : 7102
- Managed Server Http SSL Port : 7301

Oracle Enterprise Manager Cloud Control 13c Installation – Step 13 of 14

Installation Progress Details
ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates
- Prerequisite Checks
- Installation Types
- Installation Details
- Select Plug-ins
- WebLogic Server Configuratio
- Database Connection Details
- Enterprise Manager Configur
- Shared Location Details
- Port Configuration Details
- Review
- Install Progress**
- Finish

Progress 80%

Configuration Assistant "Start Oracle Management Service" is in progre...

Status	Step	Log Details
⊘	Copy files	View Log
⊘	Configure	
✓	Plugins Prerequisites Check	View Log
✓	Repository Out Of Box Configuration	View Log
✓	OMS Configuration	View Log
✓	Plugins Deployment and Configuration	View Log
✓	BI Publisher Configuration	View Log
➔	Start Oracle Management Service	View Log
	Agent Configuration Assistant	
	Run root scripts	

Oracle Enterprise Manager Cloud Control 13c Installation – Step 13 of 14

Installation Progress Details
ORACLE Enterprise Manager Cloud Control 13c

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

Progress

90%

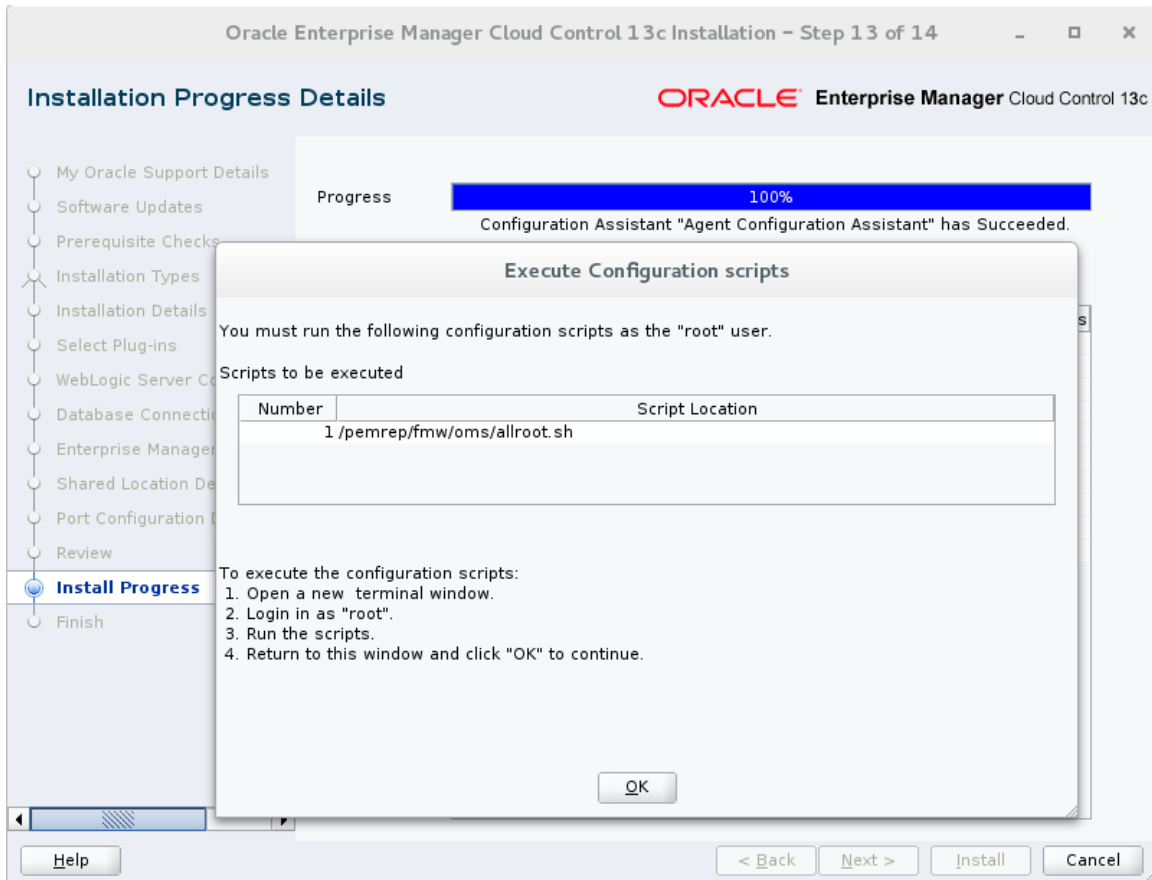
Configuration Assistant "Agent Configuration Assistant" is in progress.

Detailed Status

Retry

Status	Step	Log Details
⏸	Copy files	View Log
⏸	Configure	
✓	Plugins Prerequisites Check	View Log
✓	Repository Out Of Box Configuration	View Log
✓	OMS Configuration	View Log
✓	Plugins Deployment and Configuration	View Log
✓	BI Publisher Configuration	View Log
✓	Start Oracle Management Service	View Log
➔	Agent Configuration Assistant	View Log
	Run root scripts	

Help
< Back
Next >
Install
Cancel



Run allroot.sh

This script will enable OMS autostart

```
[root@occpod ~]# /pemrep/fmw/oms/allroot.sh
```

Starting to execute allroot.sh

```
Starting to execute /pemrep/fmw/oms/root.sh .....
/etc exist
```

```
Creating /etc/oragchomelist file...
```

```
/pemrep/fmw/oms
```

```
Finished product-specific root actions.
```

```
/etc exist
```

```
Finished execution of /pemrep/fmw/oms/root.sh .....
```

```
Starting to execute /pemrep/fmw/agent/agent_13.1.0.0.0/root.sh .....
```

```
Finished product-specific root actions.
```

```
/etc exist
```

```
Finished execution of /pemrep/fmw/agent/agent_13.1.0.0.0/root.sh .....
```

```
[root@occpod ~]#
```

Oracle Enterprise Manager Cloud Control 13c Installation – Step 14 of 14

Finish **ORACLE Enterprise Manager Cloud Control 13c**

My Oracle Support Details
 Software Updates
 Prerequisite Checks
 Installation Types
 Installation Details
 Select Plug-ins
 WebLogic Server Configuration
 Database Connection Details
 Enterprise Manager Configuration
 Shared Location Details
 Port Configuration Details
 Review
 Install Progress
Finish

This information is also available at:
`/pemrep/fmw/oms/install/setupinfo.txt`

See the following for information pertaining to your Enterprise Manager installation:

Use the following URL to access:

1. Enterprise Manager Cloud Control URL: `https://occpod:7803/em`
2. Admin Server URL: `https://occpod:7102/console`
3. BI Publisher URL: `https://occpod:9803/xmlpserver`

The following details need to be provided while installing an additional OMS:

1. Admin Server Host Name: `occpod`
2. Admin Server Port: `7102`

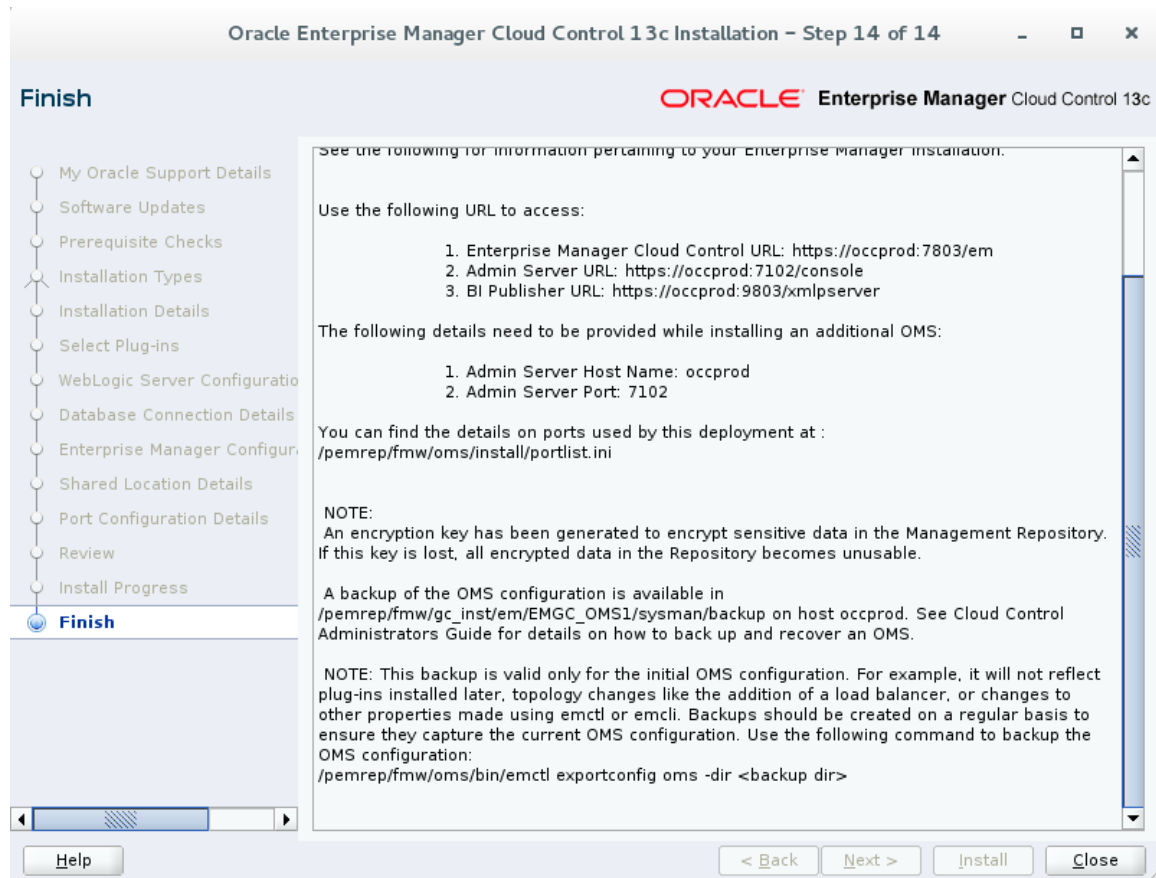
You can find the details on ports used by this deployment at :
`/pemrep/fmw/oms/install/portlist.ini`

NOTE:
 An encryption key has been generated to encrypt sensitive data in the Management Repository. If this key is lost, all encrypted data in the Repository becomes unusable.

A backup of the OMS configuration is available in
`/pemrep/fmw/gc_inst/em/EMGC_OMS1/sysman/backup` on host `occpod`. See Cloud Control Administrators Guide for details on how to back up and recover an OMS.

NOTE: This backup is valid only for the initial OMS configuration. For example, it will not reflect plugins installed later, topology changes like the addition of a load balancer, or changes to

Help < Back Next > Install Close



```
-bash-4.2$ top
top - 23:16:03 up 2:02, 4 users, load average: 79.63, 27.57, 14.10
Tasks: 310 total, 4 running, 306 sleeping, 0 stopped, 0 zombie
%Cpu(s): 19.1 us, 40.4 sy, 0.0 ni, 0.3 id, 25.6 wa, 0.0 hi, 14.5 si, 0.0 st
KiB Mem : 3772036 total, 33544 free, 3056092 used, 682400 buff/cache
KiB Swap: 4145144 total, 648736 free, 3496408 used, 188326 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
21720	orpemrep	20	0	1195872	390276	370720	D	24.5	10.3	0:52.46	oracle_21720_pe
3256	orpemrep	-2	0	1170172	1124	1016	R	15.6	0.0	4:11.69	ora_vktm_pemrep
31	root	20	0	0	0	0	R	15.1	0.0	5:29.06	kswapd0
16196	orpemrep	20	0	4553316	817168	1256	S	10.9	21.7	7:45.93	java
4361	orpemrep	20	0	2394608	100456	1408	S	8.9	2.7	6:35.58	java
15293	orpemrep	20	0	3152320	336456	2968	S	7.3	8.9	4:33.13	java
3814	root	20	0	1679544	87600	5276	S	6.8	2.3	1:14.25	gnome-shell
16914	orpemrep	20	0	1177392	46680	42944	S	6.2	1.2	0:00.60	oracle_16914_pe
15108	orpemrep	20	0	4311700	330632	0	S	5.7	8.8	3:04.62	java
24574	orpemrep	20	0	1175320	41840	36136	S	3.6	1.1	0:01.59	ora_j002_pemrep
24750	orpemrep	20	0	1164692	8852	7500	D	3.6	0.2	0:00.07	oracle
3925	root	20	0	379064	3316	1872	S	3.1	0.1	0:14.73	vmtoolsd
24705	root	20	0	12408	2412	1336	D	2.6	0.1	0:00.06	bash
17218	orpemrep	20	0	353116	6184	5092	D	1.6	0.2	0:01.86	oracle_17218_pe
21928	orpemrep	20	0	1175220	58092	53372	S	1.6	1.5	0:03.62	ora_j000_pemrep
24741	root	20	0	258880	6080	4192	S	1.6	0.2	0:00.03	abrt-dbus
15037	orpemrep	20	0	1605248	59764	2548	S	1.0	1.6	0:20.14	java
16410	orpemrep	20	0	1187744	101168	94956	S	1.0	2.7	0:06.90	oracle_16410_pe
21839	orpemrep	20	0	1179464	70552	63404	S	1.0	1.9	0:01.91	oracle_21839_pe
24753	orpemrep	20	0	149888	7024	4036	D	1.0	0.2	0:00.02	gdb
10	root	20	0	0	0	0	S	0.5	0.0	0:13.33	rcu_sched
364	root	0	-20	0	0	0	S	0.5	0.0	0:02.69	kworker/0:1H
453	root	20	0	36916	1444	1300	S	0.5	0.0	0:00.65	systemd-journal
617	root	20	0	382608	1568	992	S	0.5	0.0	0:00.17	accounts-daemon
619	dbus	20	0	30196	1916	696	S	0.5	0.1	0:00.76	dbus-daemon
639	root	20	0	441032	1148	384	S	0.5	0.0	0:00.52	NetworkManager
1172	root	20	0	473212	940	624	S	0.5	0.0	0:00.07	gdm
2913	orpemrep	20	0	173248	2888	1696	S	0.5	0.1	0:04.56	tnslsnr
3270	orpemrep	20	0	1170172	3136	2972	R	0.5	0.1	0:12.00	ora_vkrm_pemrep
3278	orpemrep	20	0	1170168	4800	4540	S	0.5	0.1	0:32.40	ora_lg00_pemrep
3280	orpemrep	20	0	1170684	9196	8520	S	0.5	0.2	0:09.74	ora_ckpt_pemrep
3288	orpemrep	20	0	1173960	2724	2352	S	0.5	0.1	0:03.49	ora_lreg_pemrep
3292	orpemrep	20	0	1186328	30860	27980	S	0.5	0.8	0:06.94	ora_mmon_pemrep
3546	root	20	0	520688	1356	796	S	0.5	0.0	0:00.15	gdm-session-wor
16844	orpemrep	20	0	1179464	57652	53768	S	0.5	1.5	0:04.60	oracle_16844_pe
16881	orpemrep	20	0	1183592	53744	50208	S	0.5	1.4	0:04.95	oracle_16881_pe
16896	orpemrep	20	0	1191812	109880	104548	S	0.5	2.9	0:15.09	oracle_16896_pe
19430	orpemrep	20	0	1289720	6748	944	S	0.5	0.2	0:01.06	httpd.worker
21937	orpemrep	20	0	1174176	50680	46032	S	0.5	1.3	0:02.82	ora_j001_pemrep

```
-bash-4.2$ top
top - 23:16:03 up 2:02, 4 users, load average: 79.63, 27.57, 14.10
Tasks: 310 total, 4 running, 306 sleeping, 0 stopped, 0 zombie
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KiB Mem : 3772036 total, 33544 free, 3056092 used, 682400 buff/cache
KiB Swap: 4145144 total, 648736 free, 3496408 used, 188326 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
21720	orpemrep	20	0	1195872	390276	370720	D	24.5	10.3	0:52.46	oracle_21720_pe
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31	root	20	0	0	0	0	R	15.1	0.0	5:29.06	kswapd0
16196	orpemrep	20	0	4553316	817168	1256	S	10.9	21.7	7:45.93	java
4361	orpemrep	20	0	2394608	100456	1408	S	8.9	2.7	6:35.58	java
15293	orpemrep	20	0	3152320	336456	2968	S	7.3	8.9	4:33.13	java
3814	root	20	0	1679544	87600	5276	S	6.8	2.3	1:14.25	gnome-shell
16914	orpemrep	20	0	1177392	46680	42944	S	6.2	1.2	0:00.60	oracle_16914_pe
15108	orpemrep	20	0	4311700	330632	0	S	5.7	8.8	3:04.62	java
24574	orpemrep	20	0	1175320	41840	36136	S	3.6	1.1	0:01.59	ora_j002_pemrep
24750	orpemrep	20	0	1164692	8852	7500	D	3.6	0.2	0:00.07	oracle
3925	root	20	0	379064	3316	1872	S	3.1	0.1	0:14.73	vmtoolsd
24705	root	20	0	12408	2412	1336	D	2.6	0.1	0:00.06	bash
17218	orpemrep	20	0	353116	6184	5092	D	1.6	0.2	0:01.86	oracle_17218_pe
21928	orpemrep	20	0	1175220	58092	53372	S	1.6	1.5	0:03.62	ora_j000_pemrep
24741	root	20	0	258880	6080	4192	S	1.6	0.2	0:00.03	abrt-dbus
15037	orpemrep	20	0	1605248	59764	2548	S	1.0	1.6	0:20.14	java
16410	orpemrep	20	0	1187744	101168	94956	S	1.0	2.7	0:06.90	oracle_16410_pe
21839	orpemrep	20	0	1179464	70552	63404	S	1.0	1.9	0:01.91	oracle_21839_pe
24753	orpemrep	20	0	149888	7024	4036	D	1.0	0.2	0:00.02	gdb

10	root	20	0	0	0	0	S	0.5	0.0	0:13.33	rcu_sched
364	root	0	-20	0	0	0	S	0.5	0.0	0:02.69	kworker/0:1H
453	root	20	0	36916	1444	1300	S	0.5	0.0	0:00.65	systemd-journal
617	root	20	0	382608	1568	992	S	0.5	0.0	0:00.17	accounts-daemon
619	dbus	20	0	30196	1916	696	S	0.5	0.1	0:00.76	dbus-daemon
639	root	20	0	441032	1148	384	S	0.5	0.0	0:00.52	NetworkManager
1172	root	20	0	473212	940	624	S	0.5	0.0	0:00.07	gdm
2913	orpepmp	20	0	173248	2888	1696	S	0.5	0.1	0:04.56	tnslnsr
3270	orpepmp	20	0	1170172	3136	2972	R	0.5	0.1	0:12.00	ora_vkrm_pemrep
3278	orpepmp	20	0	1170168	4800	4540	S	0.5	0.1	0:32.40	ora_lg00_pemrep
3280	orpepmp	20	0	1170684	9196	8520	S	0.5	0.2	0:09.74	ora_ckpt_pemrep
3288	orpepmp	20	0	1173960	2724	2352	S	0.5	0.1	0:03.49	ora_lreg_pemrep
3292	orpepmp	20	0	1186328	30860	27980	S	0.5	0.8	0:06.94	ora_mmon_pemrep
3546	root	20	0	520688	1356	796	S	0.5	0.0	0:00.15	gdm-session-wor
16844	orpepmp	20	0	1179464	57652	53768	S	0.5	1.5	0:04.60	oracle_16844_pe
16881	orpepmp	20	0	1183592	53744	50208	S	0.5	1.4	0:04.95	oracle_16881_pe
16896	orpepmp	20	0	1191812	109880	104548	S	0.5	2.9	0:15.09	oracle_16896_pe
19430	orpepmp	20	0	1289720	6748	944	S	0.5	0.2	0:01.06	httpd.worker
21937	orpepmp	20	0	1174176	50680	46032	S	0.5	1.3	0:02.82	ora_j001_pemrep
23200	orpepmp	20	0	1520096	121724	1128	S	0.5	3.2	0:22.20	java
24606	orpepmp	20	0	1175208	22176	17356	S	0.5	0.6	0:00.24	oracle_24606_pe

-bash-4.2\$ top

Setup Info Summary

This information is also available at:

`/pemrep/fmw/oms/install/setupinfo.txt`

See the following for information pertaining to your Enterprise Manager installation:

Use the following URL to access:

1. Enterprise Manager Cloud Control URL: <https://occpod:7803/em>
2. Admin Server URL: <https://occpod:7102/console>
3. BI Publisher URL: <https://occpod:9803/xmlpserver>

The following details need to be provided while installing an additional OMS:

1. Admin Server Host Name: `occpod`
2. Admin Server Port: `7102`

You can find the details on ports used by this deployment at : `/pemrep/fmw/oms/install/portlist.ini`

NOTE:

An encryption key has been generated to encrypt sensitive data in the Management Repository. If this key is lost, all encrypted data in the Repository becomes unusable.

A backup of the OMS configuration is available in `/pemrep/fmw/gc_inst/em/EMGC_OMS1/sysman/backup` on host `occpod`. See Cloud Control Administrators Guide for details on how to back up and recover an OMS.

NOTE: This backup is valid only for the initial OMS configuration. For example, it will not reflect plugins installed later, topology changes like the addition of a load balancer, or changes to other properties made using `emctl` or `emcli`. Backups should be created on a regular basis to ensure they capture the current OMS configuration. Use the following command to backup the OMS configuration:

```
/pemrep/fmw/oms/bin/emctl exportconfig oms -dir <backup dir>
```

OMS and Agent Status

```
-bash-4.2$ /pemrep/fmw/oms/bin/emctl status oms -details
```

```
Oracle Enterprise Manager Cloud Control 13c Release 1
```

```
Copyright (c) 1996, 2015 Oracle Corporation. All rights reserved.
```

```
Enter Enterprise Manager Root (SYSMAN) Password :
```

```
Console Server Host      : occprod
```

```
HTTP Console Port       : 7788
```

```
HTTPS Console Port      : 7803
```

```
HTTP Upload Port        : 4889
```

```
HTTPS Upload Port       : 4903
```

```
EM Instance Home        : /pemrep/fmw/gc_inst/em/EMGC_OMS1
```

```
OMS Log Directory Location : /pemrep/fmw/gc_inst/em/EMGC_OMS1/sysman/log
```

```
OMS is not configured with SLB or virtual hostname
```

```
Agent Upload is locked.
```

```
OMS Console is locked.
```

```
Active CA ID: 1
```

```
Console URL: https://occprod:7803/em
```

```
Upload URL: https://occprod:4903/empbs/upload
```

WLS Domain Information

```
Domain Name             : GCDomain
```

```
Admin Server Host      : occprod
```

```
Admin Server HTTPS Port: 7102
```

```
Admin Server is RUNNING
```

Oracle Management Server Information

```
Managed Server Instance Name: EMGC_OMS1
```

```
Oracle Management Server Instance Host: occprod
```

```
WebTier is Up
```

```
Oracle Management Server is Up
```

```
JVMD Engine is Up
```

BI Publisher Server Information

```
BI Publisher Managed Server Name: BIP
```

```
BI Publisher Server is Up
```

```
BI Publisher HTTP Managed Server Port : 9701
```

```
BI Publisher HTTPS Managed Server Port : 9803
```

```
BI Publisher HTTP OHS Port           : 9788
```

```
BI Publisher HTTPS OHS Port          : 9851
```

```
BI Publisher is locked.
```

```
BI Publisher Server named 'BIP' running at URL: https://occprod:9851/xmlpserver
```

```
BI Publisher Server Logs: /pemrep/fmw/gc_inst/user_projects/domains/GCDomain/servers/BIP/logs/
```

```
BI Publisher Log           :
```

```
/pemrep/fmw/gc_inst/user_projects/domains/GCDomain/servers/BIP/logs/bipublisher/bipublisher.log
```

```
-bash-4.2$
```

```
-bash-4.2$ /pemrep/fmw/agent/agent_inst/bin/emctl status agent
```

```
Oracle Enterprise Manager Cloud Control 13c Release 1
```

```
Copyright (c) 1996, 2015 Oracle Corporation. All rights reserved.
```

```
-----  
Agent Version           : 13.1.0.0.0
```

```
OMS Version             : 13.1.0.0.0
```

```

Protocol Version      : 12.1.0.1.0
Agent Home           : /pemrep/fmw/agent/agent_inst
Agent Log Directory  : /pemrep/fmw/agent/agent_inst/sysman/log
Agent Binaries       : /pemrep/fmw/agent/agent_13.1.0.0.0
Core JAR Location    : /pemrep/fmw/agent/agent_13.1.0.0.0/jlib
Agent Process ID     : 21060
Parent Process ID    : 20906
Agent URL            : https://occprod:3872/emd/main/
Local Agent URL in NAT : https://occprod:3872/emd/main/
Repository URL       : https://occprod:4903/empbs/upload
Started at           : 2016-03-02 13:05:22
Started by user      : orpemrep
Operating System     : Linux version 3.8.13-98.7.1.el7uek.x86_64 (amd64)
Number of Targets    : 33
Last Reload          : (none)
Last successful upload      : 2016-03-02 13:18:12
Last attempted upload      : 2016-03-02 13:19:55
Total Megabytes of XML files uploaded so far : 1.15
Number of XML files pending upload      : 14
Size of XML files pending upload(MB)    : 0.01
Available disk space on upload filesystem : 24.55%
Collection Status                : Collections enabled
Heartbeat Status                  : Ok
Last attempted heartbeat to OMS    : 2016-03-02 13:19:21
Last successful heartbeat to OMS   : 2016-03-02 13:18:20
Next scheduled heartbeat to OMS    : 2016-03-02 13:19:21

```

```

-----
Agent is Running and Ready
-bash-4.2$

```

Install log

```

-bash-4.2$ ./em13100_linux64.bin
0%.....100%
Launcher log file is /tmp/OraInstall2016-03-01_09-24-09PM/launcher2016-03-01_09-24-09PM.log.
Starting Oracle Universal Installer

Checking if CPU speed is above 300 MHz.   Actual 2594.019 MHz   Passed
Checking monitor: must be configured to display at least 256 colors.   Actual 16777216
Passed
Checking swap space: must be greater than 512 MB.   Actual 4047 MB   Passed
Checking if this platform requires a 64-bit JVM.   Actual 64   Passed (64-bit not
required)
Checking temp space: must be greater than 300 MB.   Actual 21617 MB   Passed

Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2016-03-01_09-24-09PM
====Prereq Config Location main====
/tmp/OraInstall2016-03-01_09-24-09PM/stage/prereq
EMGCInstaller args -scratchPath
EMGCInstaller args /tmp/OraInstall2016-03-01_09-24-09PM
EMGCInstaller args -sourceType
EMGCInstaller args network
EMGCInstaller args -timestamp
EMGCInstaller args 2016-03-01_09-24-09PM
EMGCInstaller args -paramFile
EMGCInstaller args /tmp/sfx_bvr00Q/Disk1/install/linux64/oraparam.ini
EMGCInstaller args -nocleanUpOnExit
DiskLoc inside SourceLoc/mnt/hgfs/em13100

```

```
EMFileLoc:/tmp/OraInstall2016-03-01_09-24-09PM/oui/em/
ScratchPathValue :/tmp/OraInstall2016-03-01_09-24-09PM
ConfigSharedLocation : shareLocationForBIP.isSelectedtrue
ConfigSharedLocation : bipConfigText
ConfigSharedLocation :bipClusterText
hostname instantiation HOSTNAME=occprod
hostname instantiation ADMIN_SERVER_HOSTNAME=occprod
hostname instantiation MANAGED_SERVER_HOSTNAME=occprod
hostname instantiation s_hostname=occprod
Visit http://www.oracle.com/support/policies.html for Oracle Technical Support policies.

.....
.....
Installation in progress (Tuesday, March 1, 2016 9:32:43 PM CST)
          98% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:32:44 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:32:44 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:32:44 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:32:45 PM CST)

..... 25% Done.
..... 51% Done.
..... 76% Done.
.....
Installation in progress (Tuesday, March 1, 2016 9:33:12 PM CST)
          98% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:33:13 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:33:13 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:33:13 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:33:14 PM CST)

.....
.....
Installation in progress (Tuesday, March 1, 2016 9:33:24 PM CST)
          98% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:33:24 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:33:24 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:33:24 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:33:25 PM CST)

..... 24% Done.
..... 48% Done.
..... 72% Done.
..... 96% Done.
.....
Installation in progress (Tuesday, March 1, 2016 9:33:48 PM CST)
          98% Done.
```

Install successful

Linking in progress (Tuesday, March 1, 2016 9:33:49 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:33:49 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:33:49 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:33:51 PM CST)

.....
.....

Installation in progress (Tuesday, March 1, 2016 9:33:58 PM CST)
98% Done.

Install successful

Linking in progress (Tuesday, March 1, 2016 9:33:59 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:33:59 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:33:59 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:00 PM CST)

.....
.....

Installation in progress (Tuesday, March 1, 2016 9:34:03 PM CST)
98% Done.

Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:03 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:03 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:03 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:05 PM CST)

.....
.....

Installation in progress (Tuesday, March 1, 2016 9:34:06 PM CST)
84% Done.

Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:06 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:06 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:06 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:07 PM CST)

.....
.....

Installation in progress (Tuesday, March 1, 2016 9:34:11 PM CST)
98% Done.

Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:11 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:11 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:11 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:12 PM CST)

.....
.....
Installation in progress (Tuesday, March 1, 2016 9:34:13 PM CST)
96% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:13 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:13 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:13 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:14 PM CST)

.....
.....
Installation in progress (Tuesday, March 1, 2016 9:34:15 PM CST)
72% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:16 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:16 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:16 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:17 PM CST)

.....
.....
Installation in progress (Tuesday, March 1, 2016 9:34:18 PM CST)
94% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:18 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:18 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:18 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:19 PM CST)

.....
.....
Installation in progress (Tuesday, March 1, 2016 9:34:20 PM CST)
77% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:20 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:20 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:20 PM CST)

```
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:21 PM CST)
.....
...
Installation in progress (Tuesday, March 1, 2016 9:34:22 PM CST)
          92% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:22 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:22 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:22 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:24 PM CST)
.....
Installation in progress (Tuesday, March 1, 2016 9:34:25 PM CST)
          81% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:25 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:25 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:25 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:26 PM CST)
.....
.....
Installation in progress (Tuesday, March 1, 2016 9:34:27 PM CST)
          98% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:27 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:27 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:27 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:28 PM CST)
.....
Installation in progress (Tuesday, March 1, 2016 9:34:29 PM CST)
          72% Done.
Install successful

Linking in progress (Tuesday, March 1, 2016 9:34:30 PM CST)
Link successful

Setup in progress (Tuesday, March 1, 2016 9:34:30 PM CST)
Setup successful

Saving inventory (Tuesday, March 1, 2016 9:34:30 PM CST)
Saving inventory complete

End of install phases.(Tuesday, March 1, 2016 9:34:31 PM CST)
OMS OracleHome :/pemrep/fmw/oms
13NGCHEKAGGREGATE : oracle.sysman.top.agent
```

```

13NGCHEKAGGREGATE : oracle.sysman.top.oms
13NGCHEKAGGREGATE : encap_oms
13NGCHEKAGGREGATE : OuiConfigVariables
13NGCHEKAGGREGATE : OuiConfigVariables
Getting Inet Addresses for host occprod.us.oracle.com
** Agent Port Check completed successfully.**
Logs successfully copied to /pemrep/oracle/oraInventory/logs.
-bash-4.2$
-bash-4.2$

```

Start/Stop operations

```

.bash_profile
export ORACLE_BASE=/pemrep/oracle/product
export ORACLE_HOME=$ORACLE_BASE/121
export ORACLE_SID=pemrep
export PATH=$ORACLE_HOME/bin:$PATH:
export ORACLE_HOME=/pemrep/oracle/product/121
export OMS_HOME=/pemrep/fmw/oms
export AGENT_HOME=/pemrep/fmw/agent/agent_13.1.0.0

```

Start DB/OMS/Agent

```

$ORACLE_HOME/bin/dbstart $ORACLE_HOME
$OMS_HOME/bin/emctl start oms
$AGENT_HOME/bin/emctl start agent

```

Stop OMS/Agent/DB

```

$OMS_HOME/bin/emctl stop oms -all
$AGENT_HOME/bin/emctl stop agent
$ORACLE_HOME/bin/dbshut $ORACLE_HOME

```

Disable OMS Autostart

```

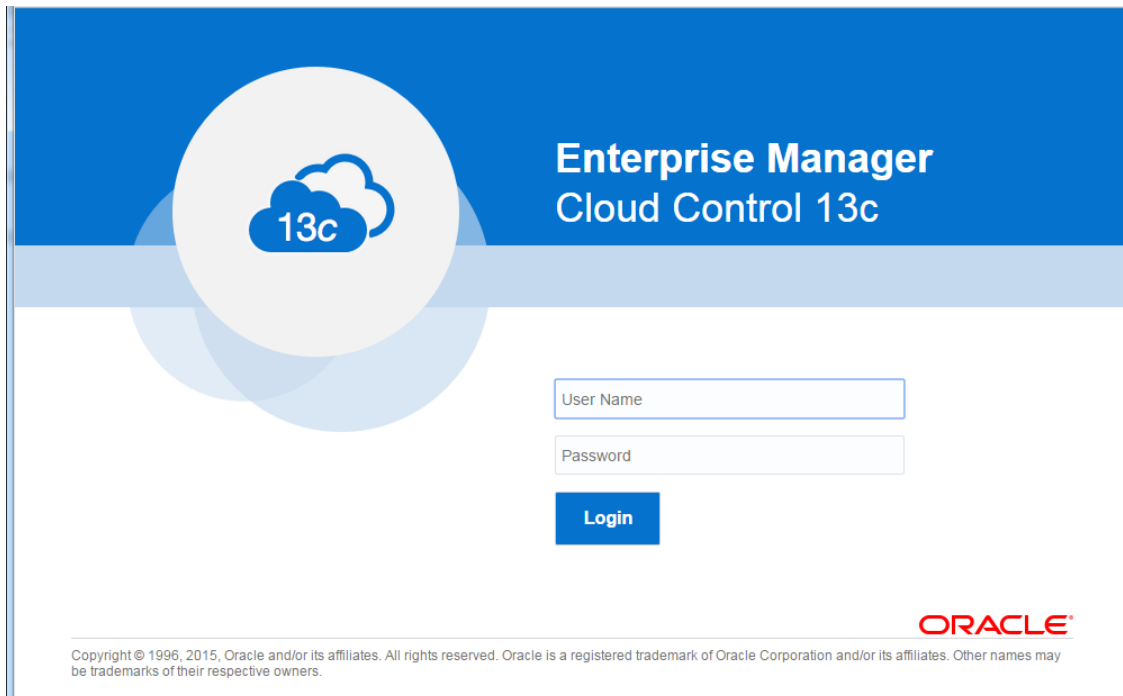
[root@occprod ~]# cd /etc/rc.d/init.d/
[root@occprod init.d]# ls -l|grep gc
-rwxr-x--- 1 root root 1751 Mar 1 23:16 gcstartup
-rwxr-x--- 1 root root 128 Mar 1 23:16 lockgcstartup
-rwxr-x--- 1 root root 83 Mar 1 23:16 unlockgcstartup
[root@occprod init.d]# pwd
/etc/rc.d/init.d
[root@occprod init.d]# mv gcstartup gcstartup.bak
[root@occprod init.d]# ls -l|grep gc
-rwxr-x--- 1 root root 1751 Mar 1 23:16 gcstartup.bak
-rwxr-x--- 1 root root 128 Mar 1 23:16 lockgcstartup
-rwxr-x--- 1 root root 83 Mar 1 23:16 unlockgcstartup
[root@occprod init.d]#

```

```
[root@occprod init.d]# cat lockgcstartup
#!/bin/sh

if [ -d /var/lock/subsys ]; then
    touch /var/lock/subsys/gcstartup
    touch /var/lock/subsys/unlockgcstartup
fi
[root@occprod init.d]# cat unlockgcstartup
#!/bin/sh
rm -f /var/lock/subsys/gcstartup
rm -rf /var/lock/subsys/unlockgcstartup
[root@occprod init.d]#
```

Emcc 13c login page



Enterprise Manager
Cloud Control 13c

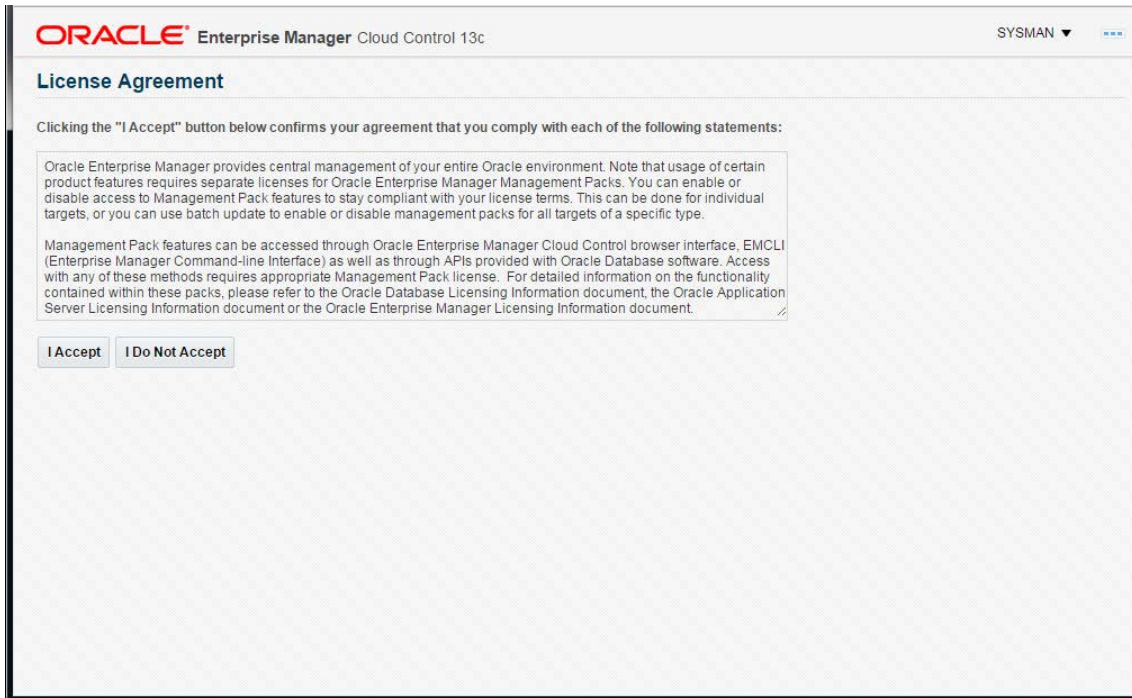
User Name

Password

Login

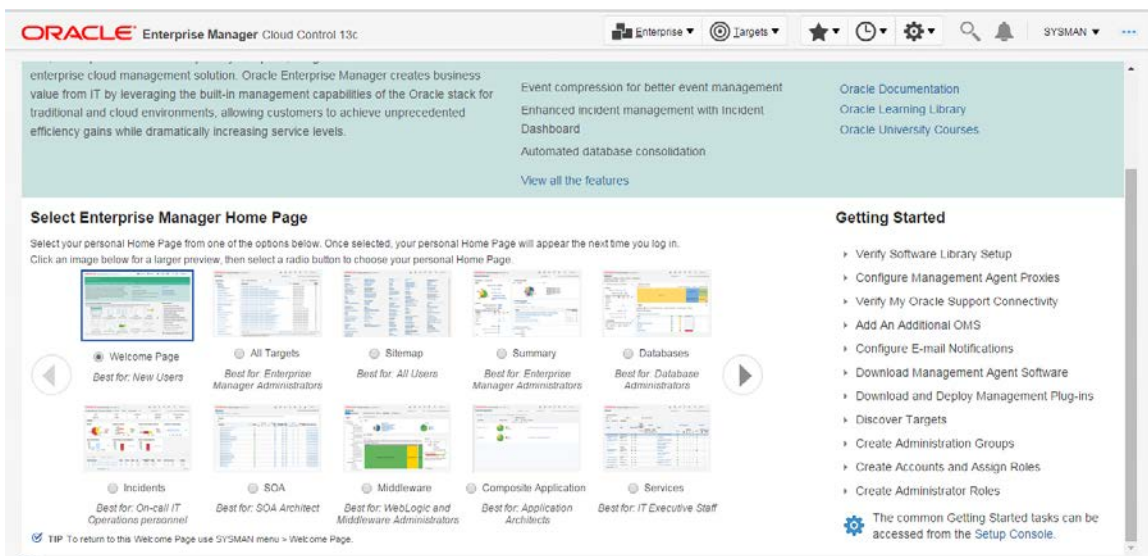
ORACLE

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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.



ORACLE Enterprise Manager Cloud Control 13c SYSMAN

All Targets Auto Refresh Off Page Refreshed Mar 2, 2016 4:42:33 PM CST

Refine Search

Target Type

- Cloud (1)
- Groups, Systems and Services**
 - EM Service (2)
 - Management Servers (1)
- Middleware**
 - Application Deployment (6)
 - Clustered Application Deployment (2)
 - Domain Application Deployment (6)
 - Metadata Repository (2)
 - Oracle HTTP Server (1)
 - Oracle WebLogic Cluster (1)
 - Oracle WebLogic Domain (1)
 - Oracle WebLogic Node Manager (1)

View Search Target Name Save Search Saved Searches

Target Name	Target Type
oms13c1_2_occprod_5675	Oracle Home
occprod/server	Systems Infrastructure Server
occprod:4889_Management_Service_PBS	OMS Platform
occprod:4889_Management_Service_CONSOLE	OMS Console
occprod:4889_Management_Service	Oracle Management Service
occprod:3872	Agent
occprod	Host
NodeManager_occprod_1	Oracle WebLogic Node Manager
Management Services and Repository	OMS and Repository
Management_Servers	Management Servers
EM Management Beacon	Beacon
EM Jobs Service	EM Service
EM Console Service	EM Service

Columns Hidden 14 Discovered Targets 3 Targets Found 37

ORACLE Enterprise Manager Cloud Control 13c SYSMAN

Enterprise Summary Auto Refresh Off Page Refreshed Mar 2, 2016 5:20:23 PM CST

Overview View All Targets (41)

Status

Targets with Status 28

100% Up (28)

Incidents

Updated in the last 24 hours 3

Updated in last 7 days 3

Breakdown of incidents updated in the last 7 days

Category	Severity	Warning	Error	Critical
Availability	-	-	-	-
Performance	-	1	-	-
Security	-	-	-	-
Others	-	1	1	-

Inventory and Usage

Show Databases Details

100% Database Insta

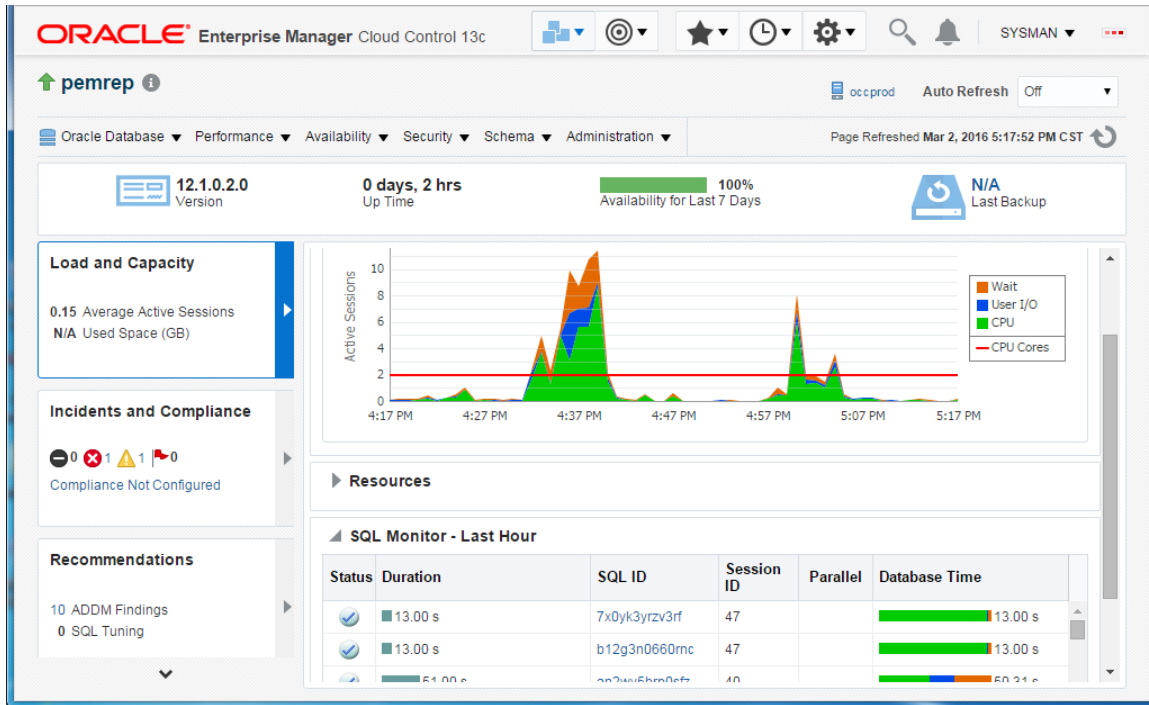
Compliance Summary

Standards Targets

Use Compliance Score Violations View Trends

Name	Average Compliance Score (%)
No data to display	

Patch Recommendations



Inventory and Usage Details

Summary

Version: Database Instance 12.1.0.2.0 (1 instance)

Graphical View

Database Instance 12.1.0.2.0

Selection Details: Databases

Target	Host Name	Parent Name	Parent Type	Version	Platform	OS Version	OS Vendor	Lifecycle	Line of Business	Department
pemrep	occprod			Database Instance 12.1.0.2.0	Oracle Linux Server release 7.2	Oracle Linux Server release 7.2 3.8.13	Oracle	Not Specified	Not Specified	Not Specified

