Oracle RAC 12cR2(12.2.0.1.0) on SUSE Linux Enterprise Server 15 - x86_64

http://www.suse.com

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Introduction

This documentation provides the details for install Oracle RAC 12cR2 on SUSE Linux Enterprise Server 15 OS. Here, x86_64 version of both Oracle Database 12c Enterprise and SUSE Linux Enterprise Server is used. Similar steps applies to other platforms(x86, ia64, etc.). If you encounter any problem or have general question, please post your query to suse-oracle@listx.novell.com.

The oracle offical product documentation available at: http://docs.oracle.com/en/

Hardware and Software Requirements

Hardware Requirements

Requirement	Minimum
RAM	32 GB
Swap space	Approx. twice the size of RAM
Disk space in /tmp	8 GB
Disk space for software files	8 GB
Disk space for database files	8 GB

Software Requirements

SuSE

• SUSE Linux Enterprise Server 15 GA (x86_64)
(http://download.suse.de/install)

Oracle

• Oracle Grid Infrastructure 12cR2 (12.2.0.1.0) (x86_64)
• Oracle Database 12cR2 (12.2.0.1.0) (x86_64)
(http://www.oracle.com/technetwork/indexes/downloads/index.html#database)

Cluster(4-node) Information

HP DL360 Gen9 Server (Intel Xeon 2x12 core ~ 48 CPU), 64GB RAM
4 NIC per server (two bonded as active/passive) + Static IP Address
Local HDD (500 GB)
Shared SAN Partition (1TB)
SUSE Linux Enterprise Server 15 GA(x86_64)
Kernel version: 4.12.14-25.25-default

Prerequisites

1. Install SUSE Linux Enterprise Server 15 on each cluster node.

Follow the official document (URL:https://www.suse.com/documentation/sles-15/) to Install SLES 15 GA (x86_64) on each node of the cluster.

2. Cluster Network configuration

#Private:
10.1.1.1 c2n1-priv
10.1.1.2 c2n2-priv
10.1.1.3 c2n3-priv
10.1.1.4 c2n4-priv

#Public:
137.65.135.72 c2n1.provo.novell.com c2n1
137.65.135.73 c2n2.provo.novell.com c2n2
137.65.135.74 c2n3.provo.novell.com c2n3
137.65.135.75 c2n4.provo.novell.com c2n4

Virtual
137.65.135.76 c2n1-vip c2n1-vip.provo.novell.com
137.65.135.77 c2n2-vip c2n2-vip.provo.novell.com
137.65.135.78 c2n3-vip c2n3-vip.provo.novell.com
137.65.135.79 c2n4-vip c2n4-vip.provo.novell.com

#SCAN:
c2-scan.provo.novell.com (137.65.135.87)
c2-scan.provo.novell.com (137.65.135.148)
c2-scan.provo.novell.com (137.65.135.149)

Oracle RAC Installation

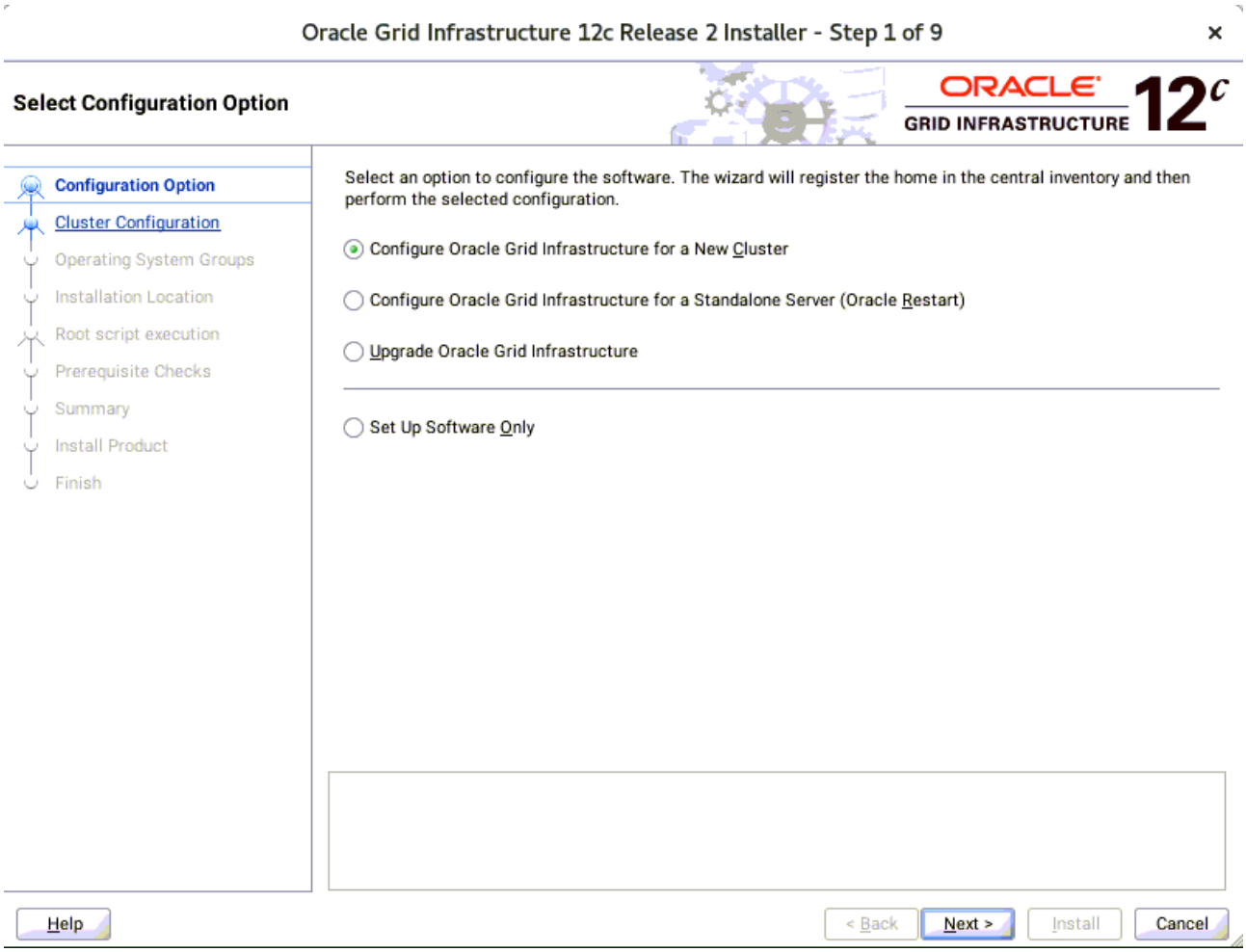
1. Installing Oracle Grid Infrastructure.

1-1. Login to the SLES 15 64-bit OS as a non-admin user. Download the Oracle Database 12c Release 2 Grid Infrastructure (12.2.0.1.0) for Linux x86-64.

1-2. Extract linuxx64_12201_grid_home.zip and run the installer '**./gridSetup.sh**' from Gird ShipHome.

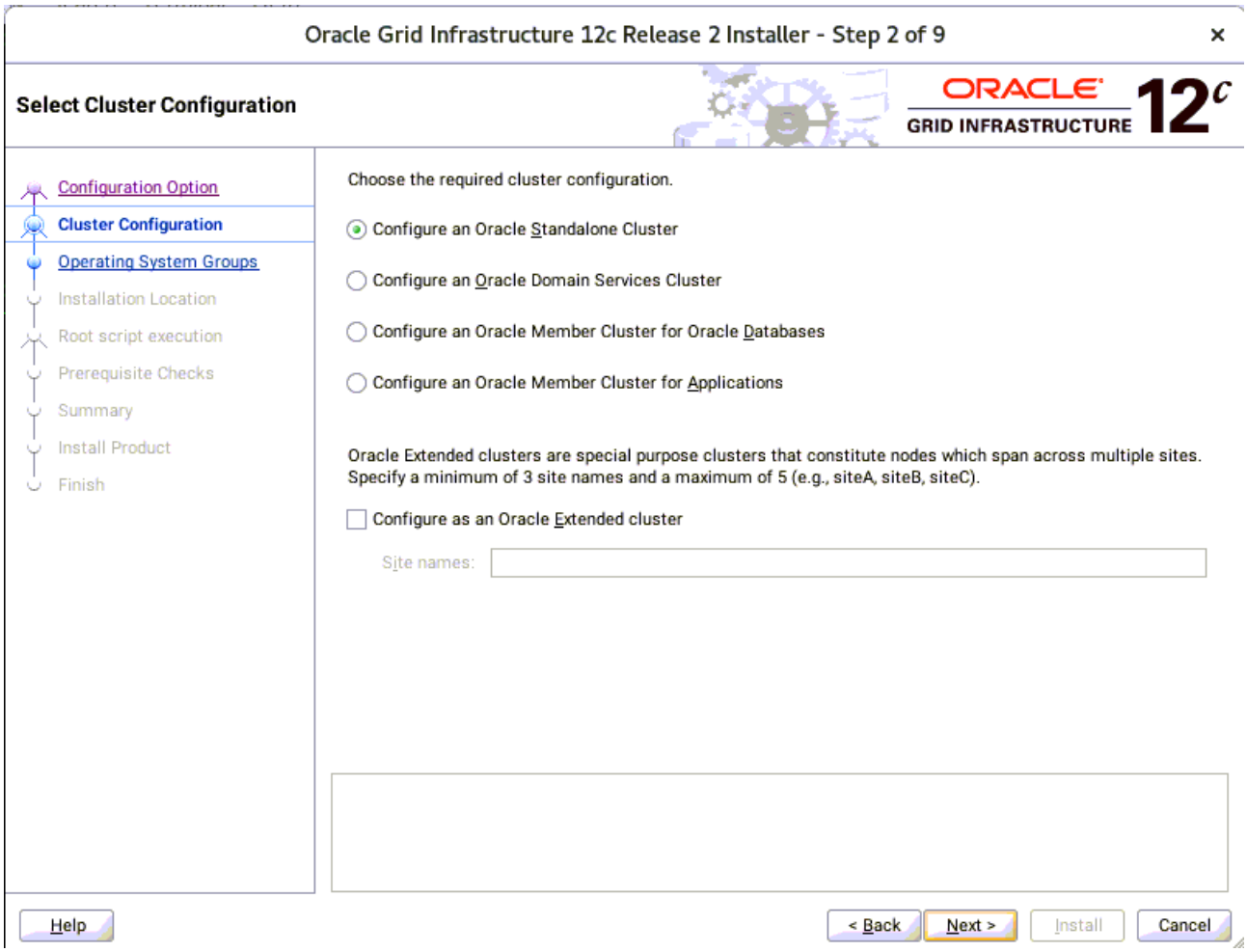
Install Flow:

1). Select Installation Option.



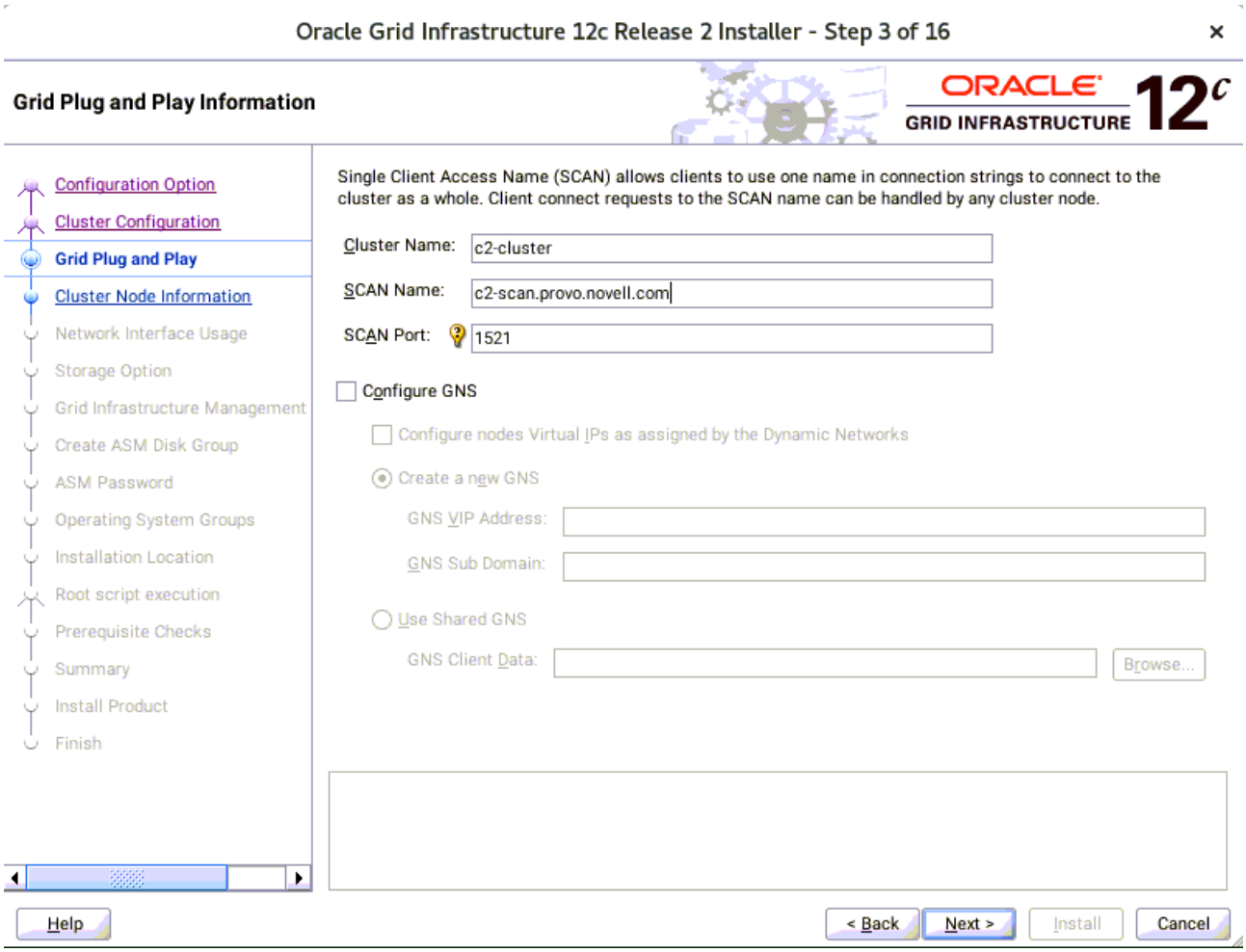
Choose option "**Configure Oracle Grid Infrastructure for a New Cluster"**, then click **Next** to continue.

2). Select Cluster Configuration.



Choose option "**Configure an Oracle Standalone Cluster**", then click **Next** to continue.

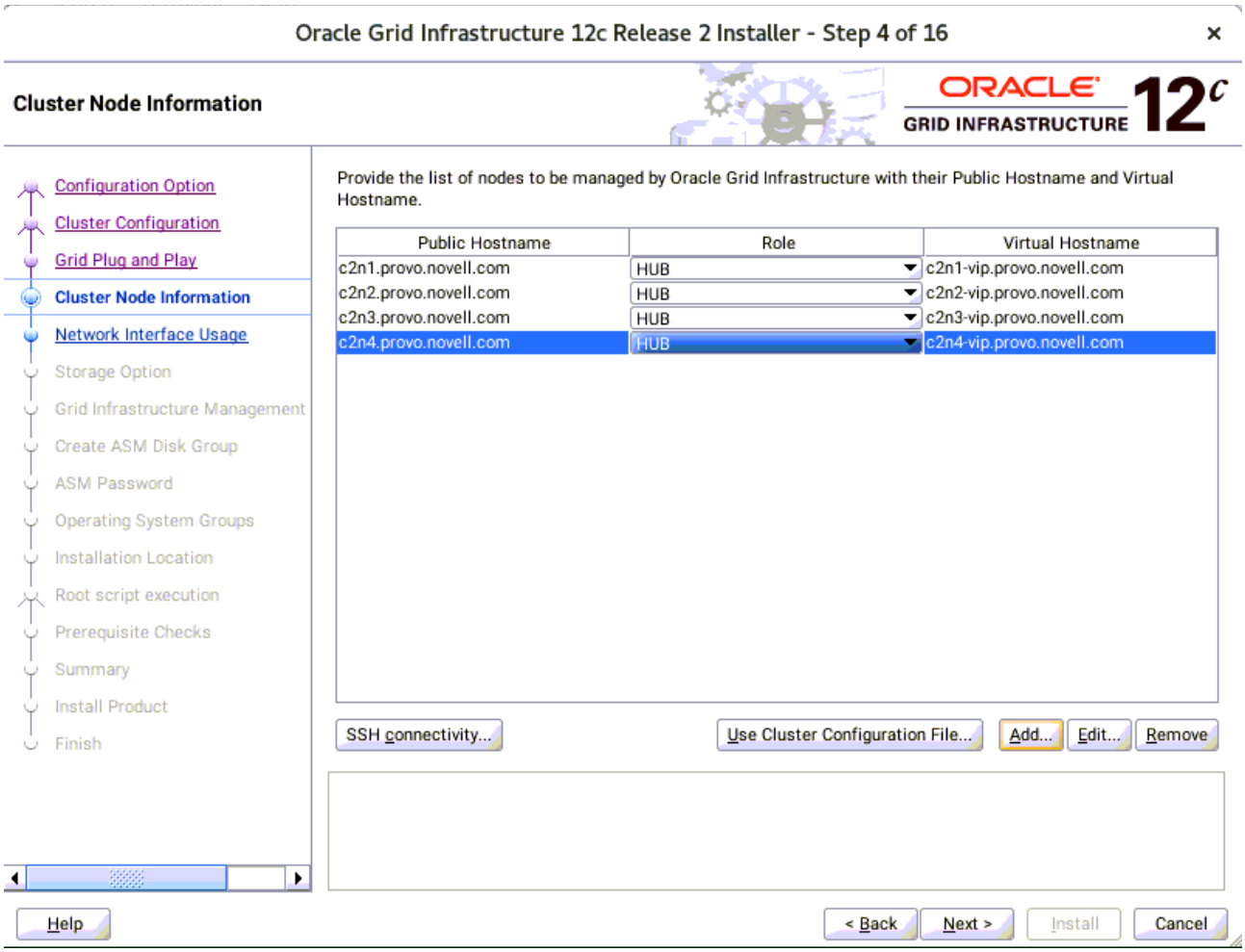
3). Grid Plug and Play Information.



In the **Cluster Name** and **SCAN Name** fields, enter the names for your cluster and cluster scan that are unique throughout your entire enterprise network. , then click **Next** to continue.

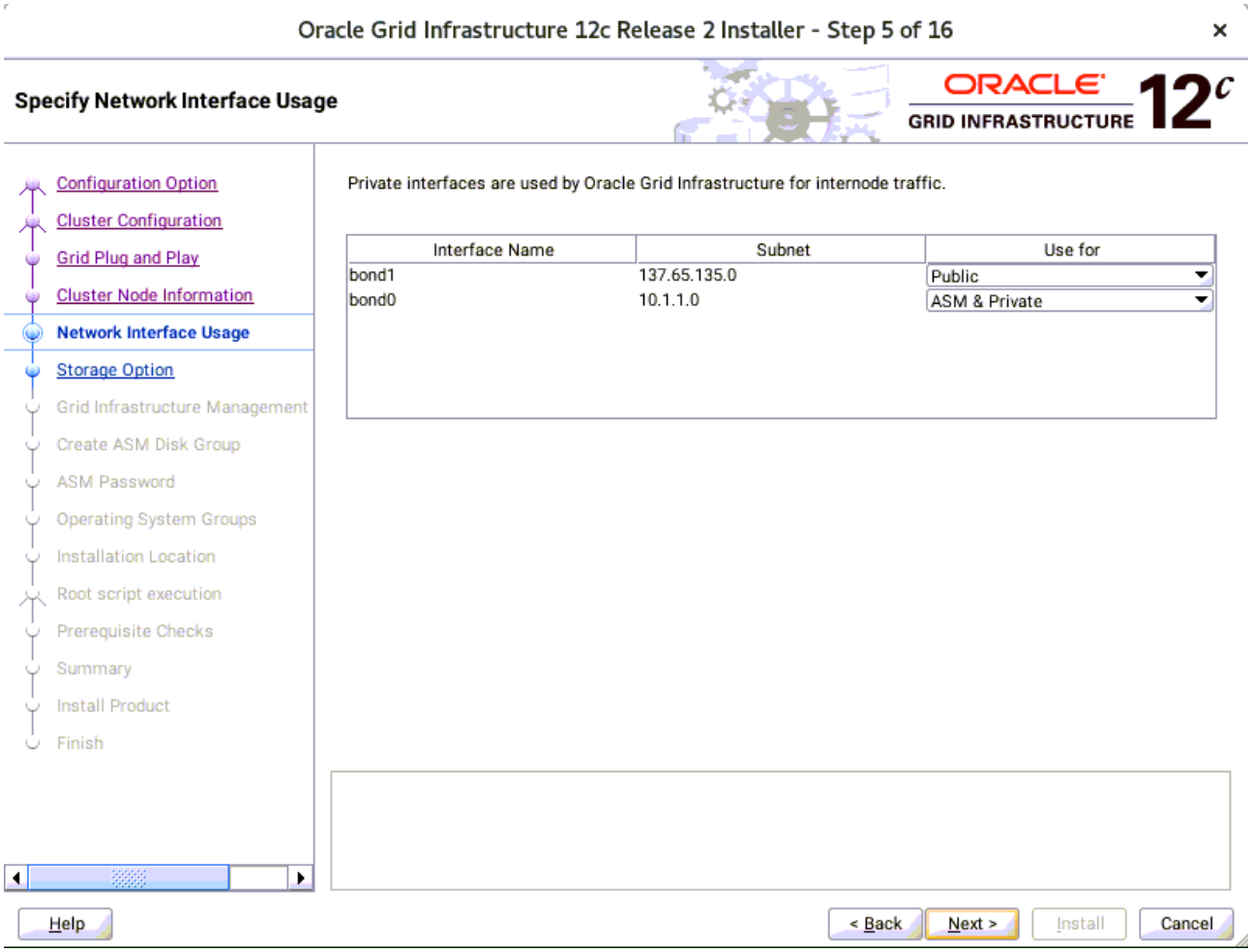
(More details for GNS configuration please see Oracle official document.)

4). The Cluster Node Information screen appears.



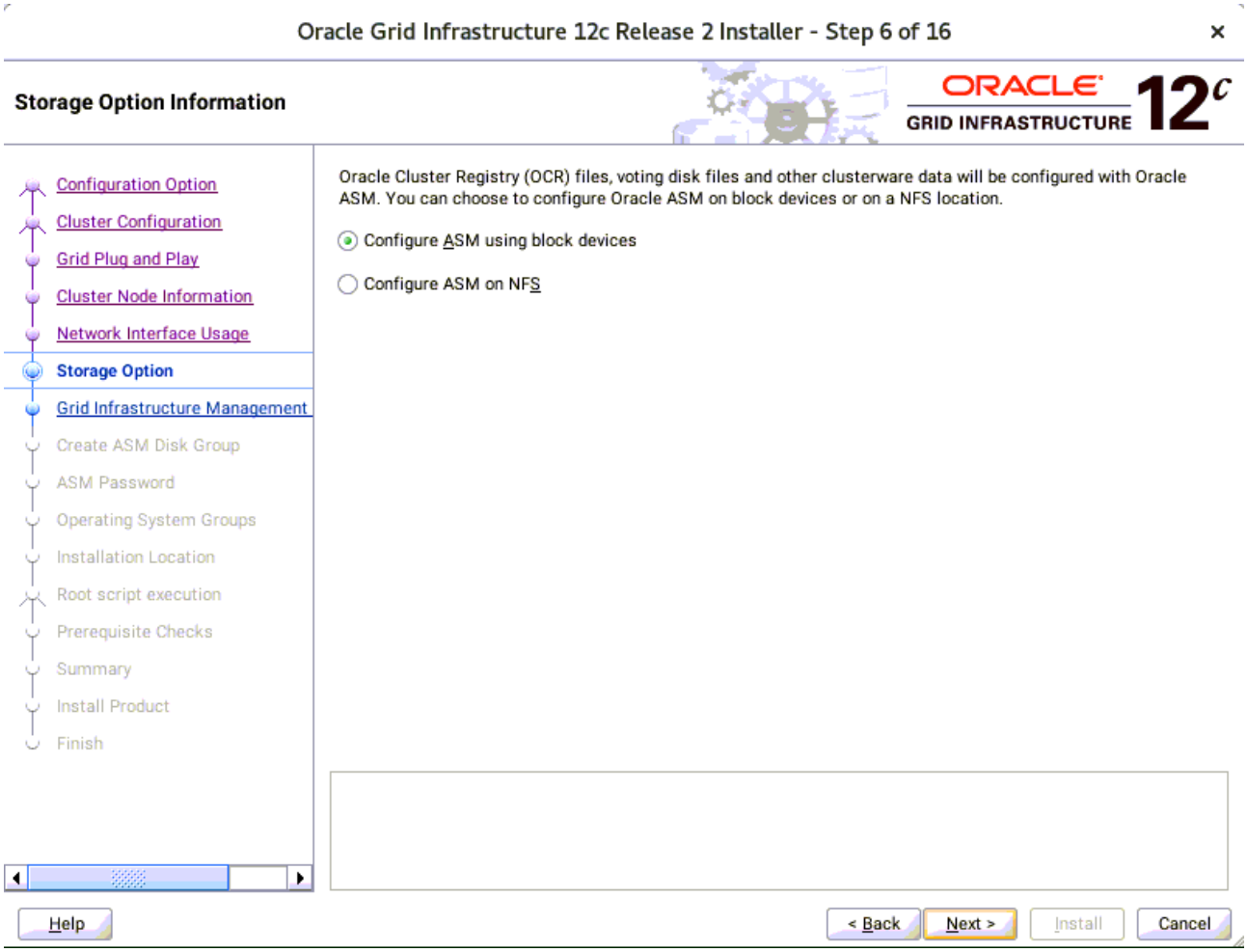
In the Public Hostname column of the table of cluster nodes, you should see your local node. Click **Add** to add another node to the cluster. Enter the second node's public name(node2), and virtual IP name (node2-vip), then click OK. Make sure all nodes are selected, then click the SSH Connectivity button at the bottom of the window. After a short period, another message window appears indicating that passwordless SSH connectivity has been established between the cluster nodes. Click **OK** to continue. When returned to the Cluster Node Information window, click **Next** to continue.

5). Specify Network Interface Usage.



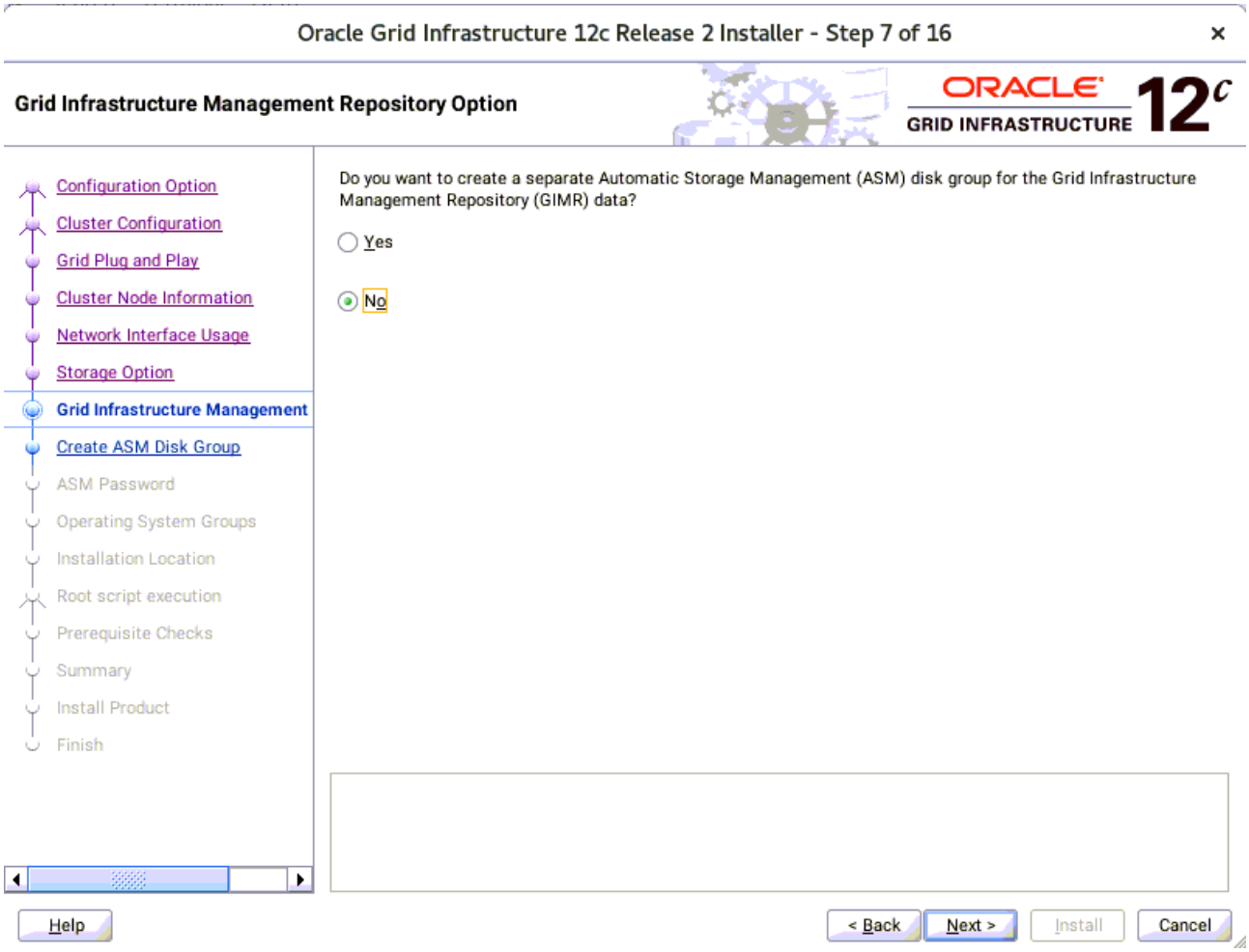
Verify that each interface has the correct interface type associated with it. If you have network interfaces that should not be used by Oracle Clusterware, then set the network interface type to **Do Not Use**. For example, if you have only two network interfaces, then set the public interface to have a Use For value of **Public** and set the private network interface to have a Use For value of **ASM & Private**, then click **Next** to continue.

6). Storage Option Information.



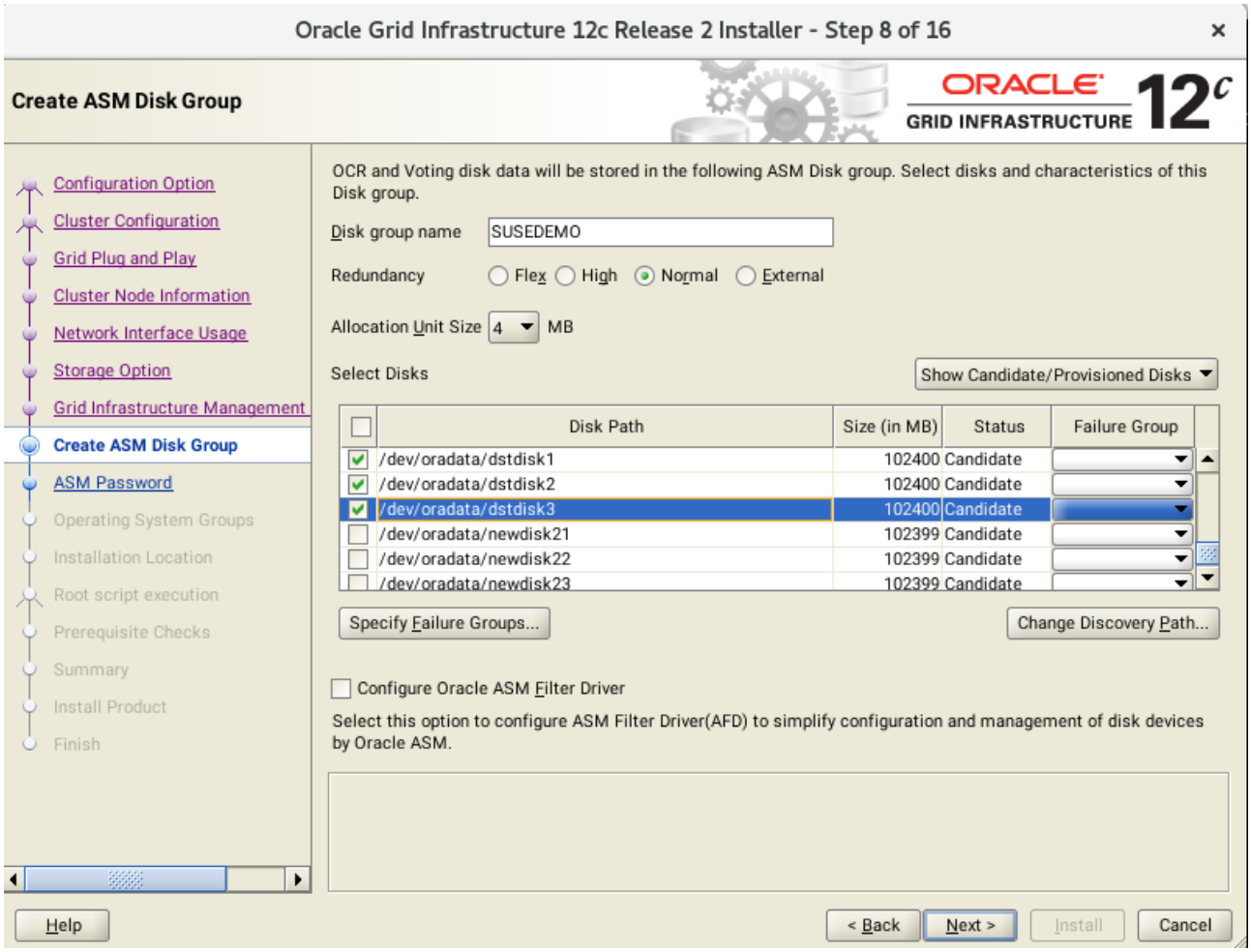
Choose option "**Configure ASM using block devices**", then click **Next** to continue.

7). Grid Infrastructure Management Repository Option.



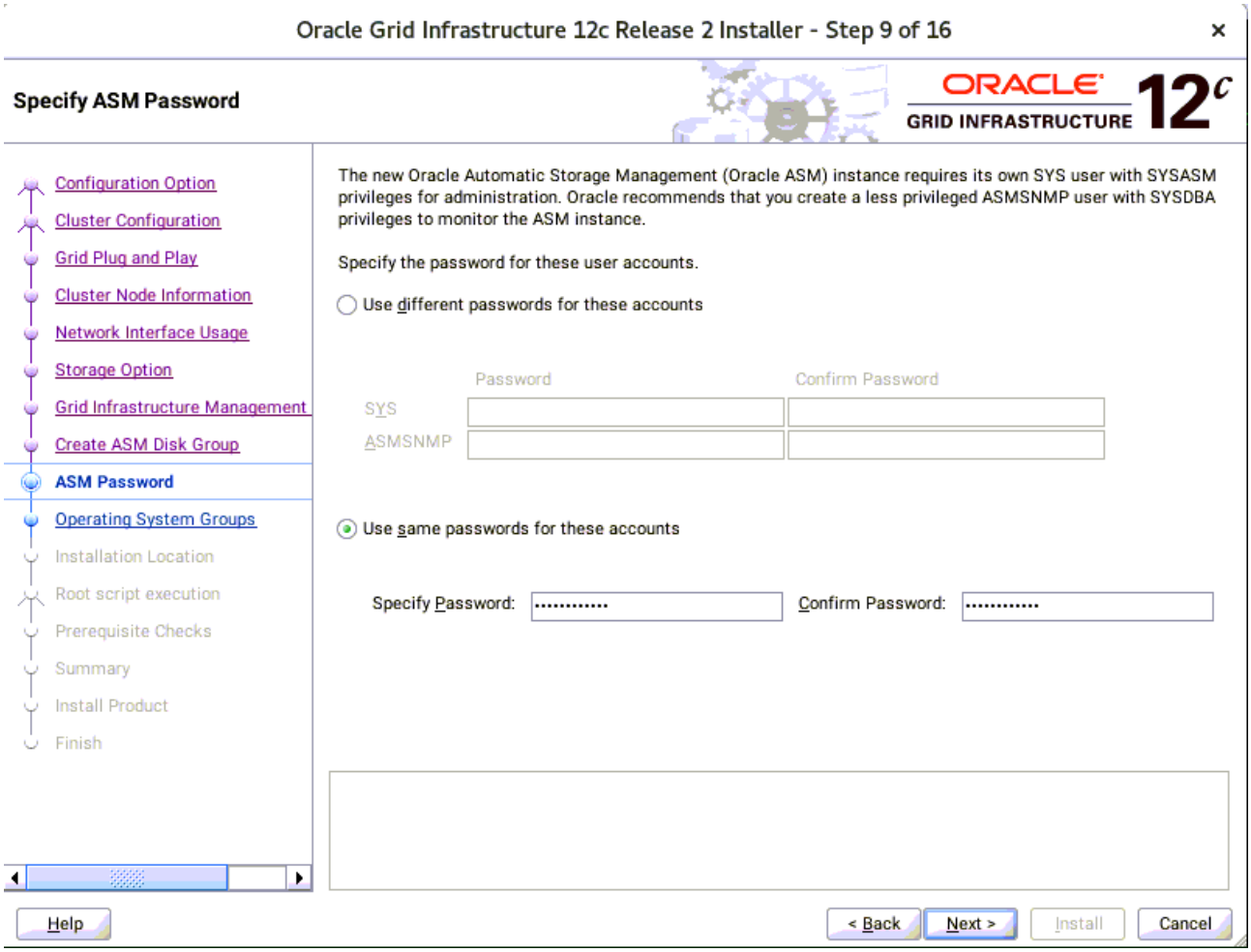
Choose whether you want to store the Grid Infrastructure Management Repository in a separate Oracle ASM disk group, then click **Next** to continue.

8). Create ASM Disk Group.



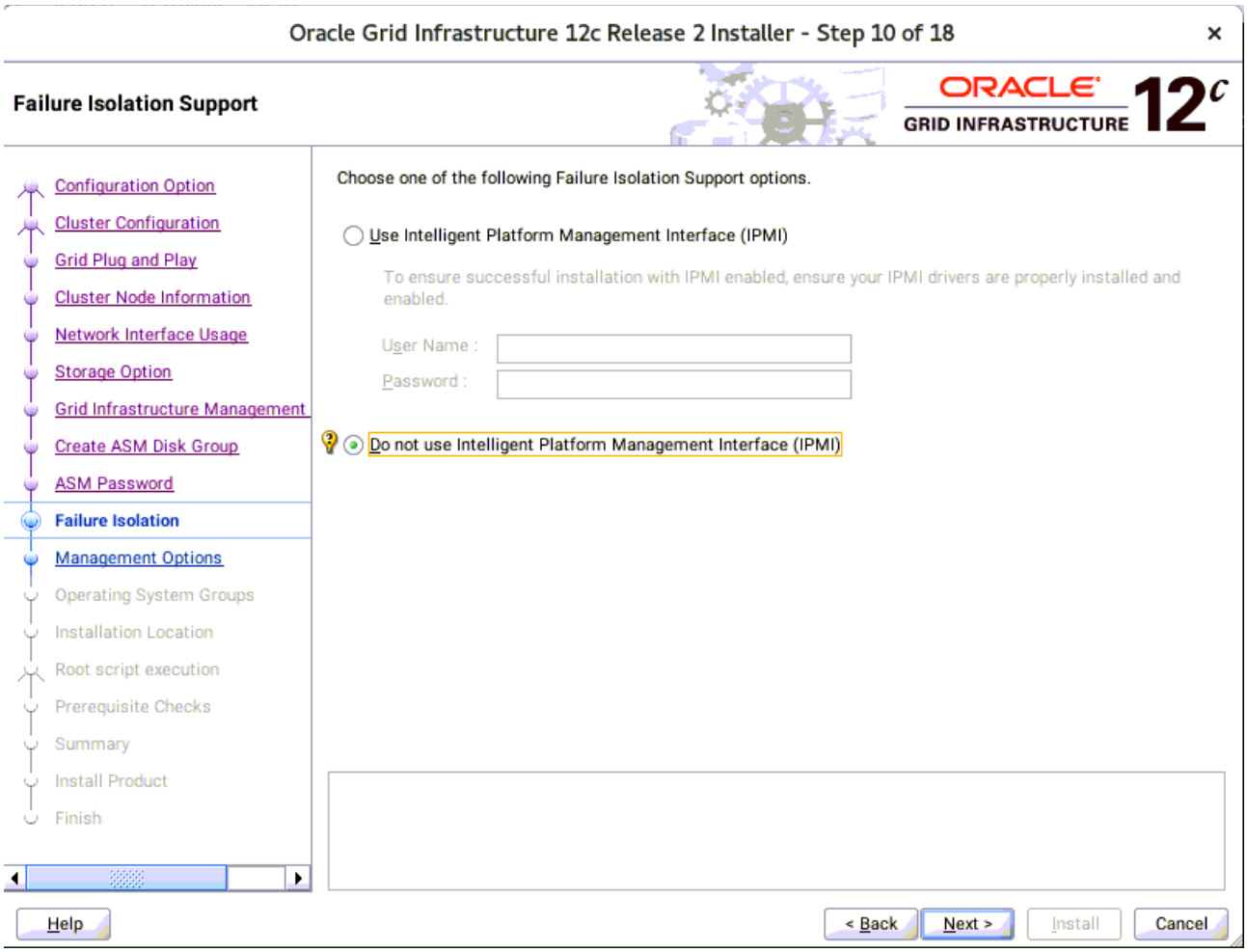
Depending on your needs to creat ASM Disk Group, then click **Next** to continue.

9). Specify ASM Password.



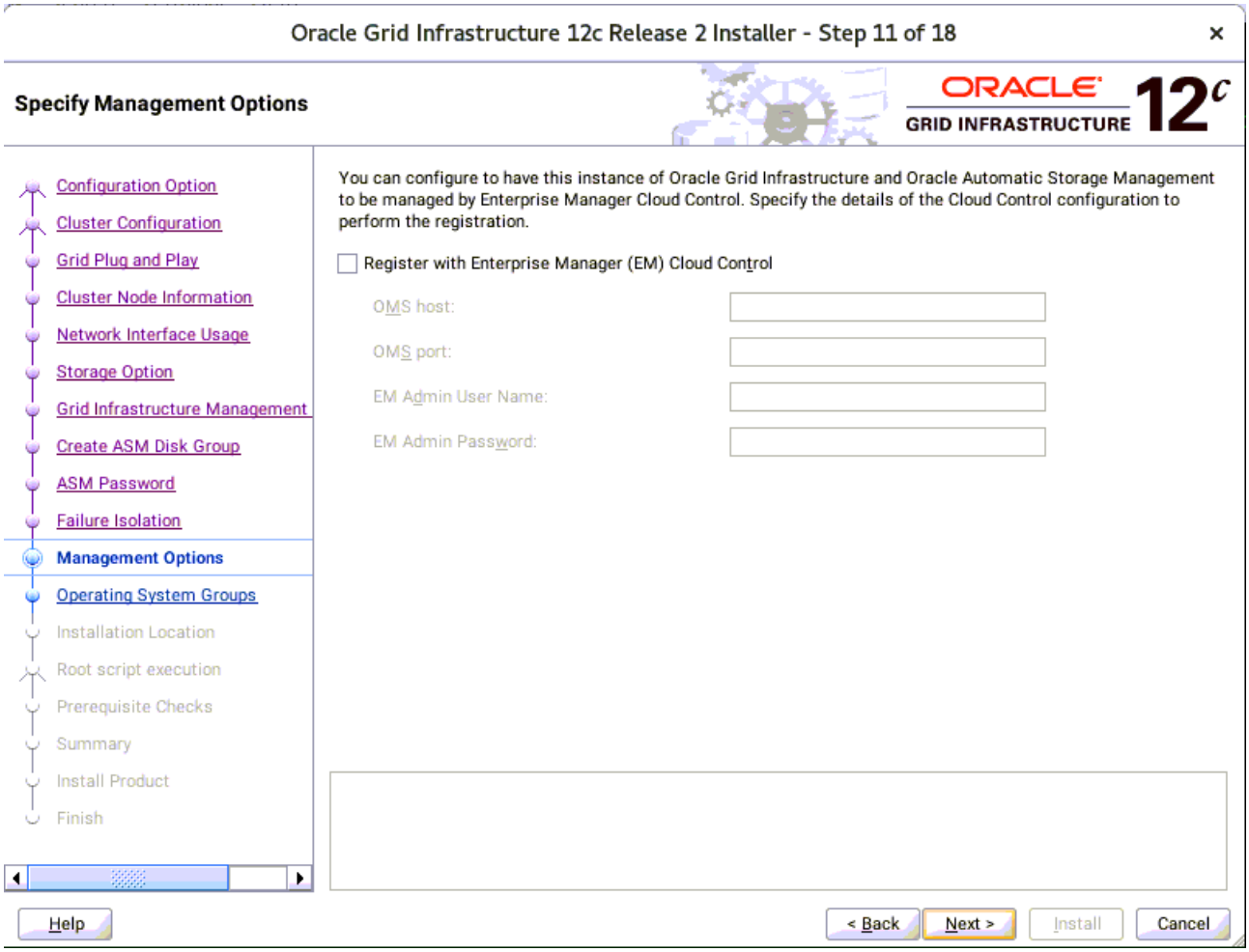
Choose the same password for the Oracle ASM SYS and ASMSNMP account, or specify different passwords for each account, then click **Next** to continue.

10). Failure Isolation Support.



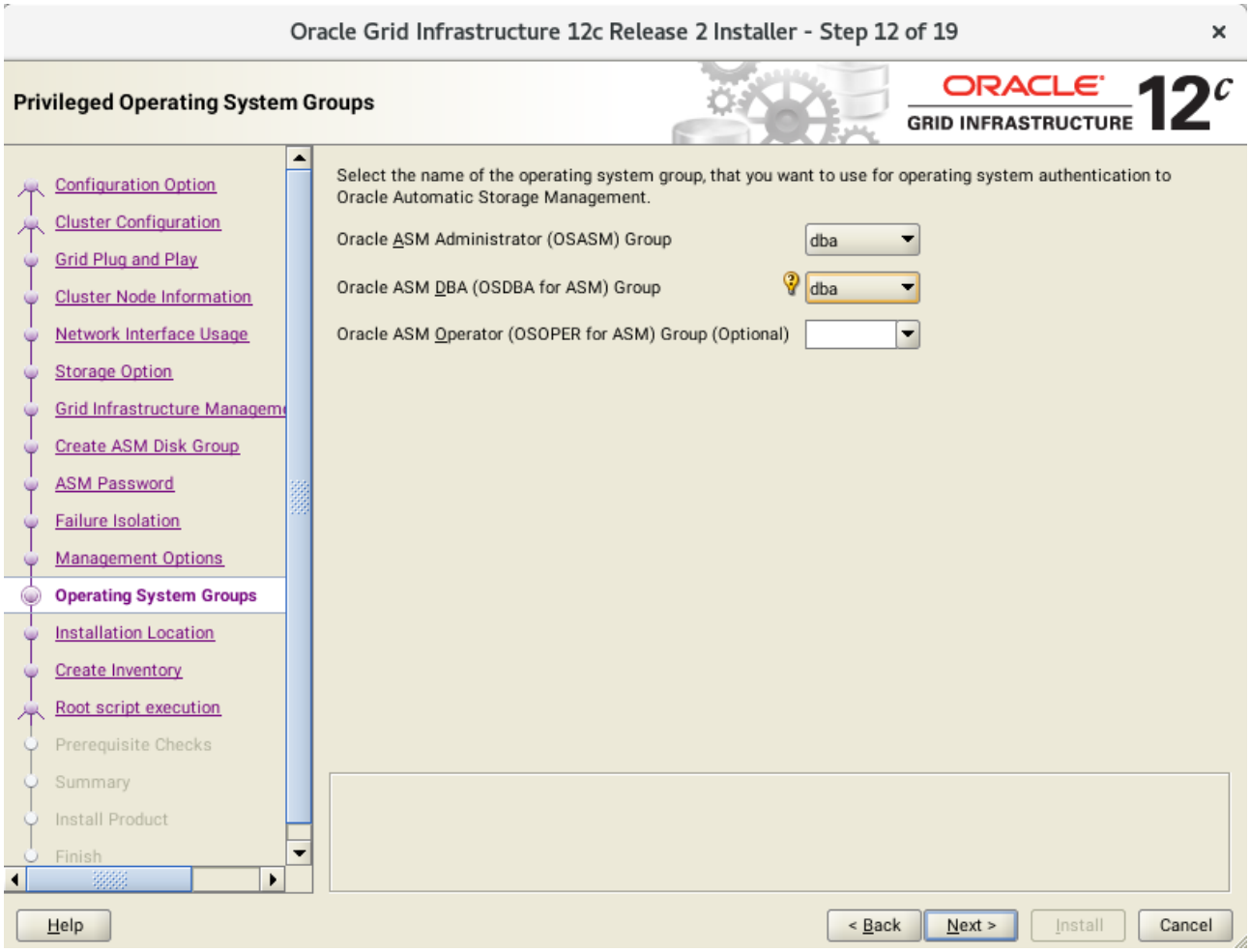
Select the option "**Do not use Intelligent Platform Management Interface** (IPMI)", then click **Next** to continue.

11). Specify Management Options.



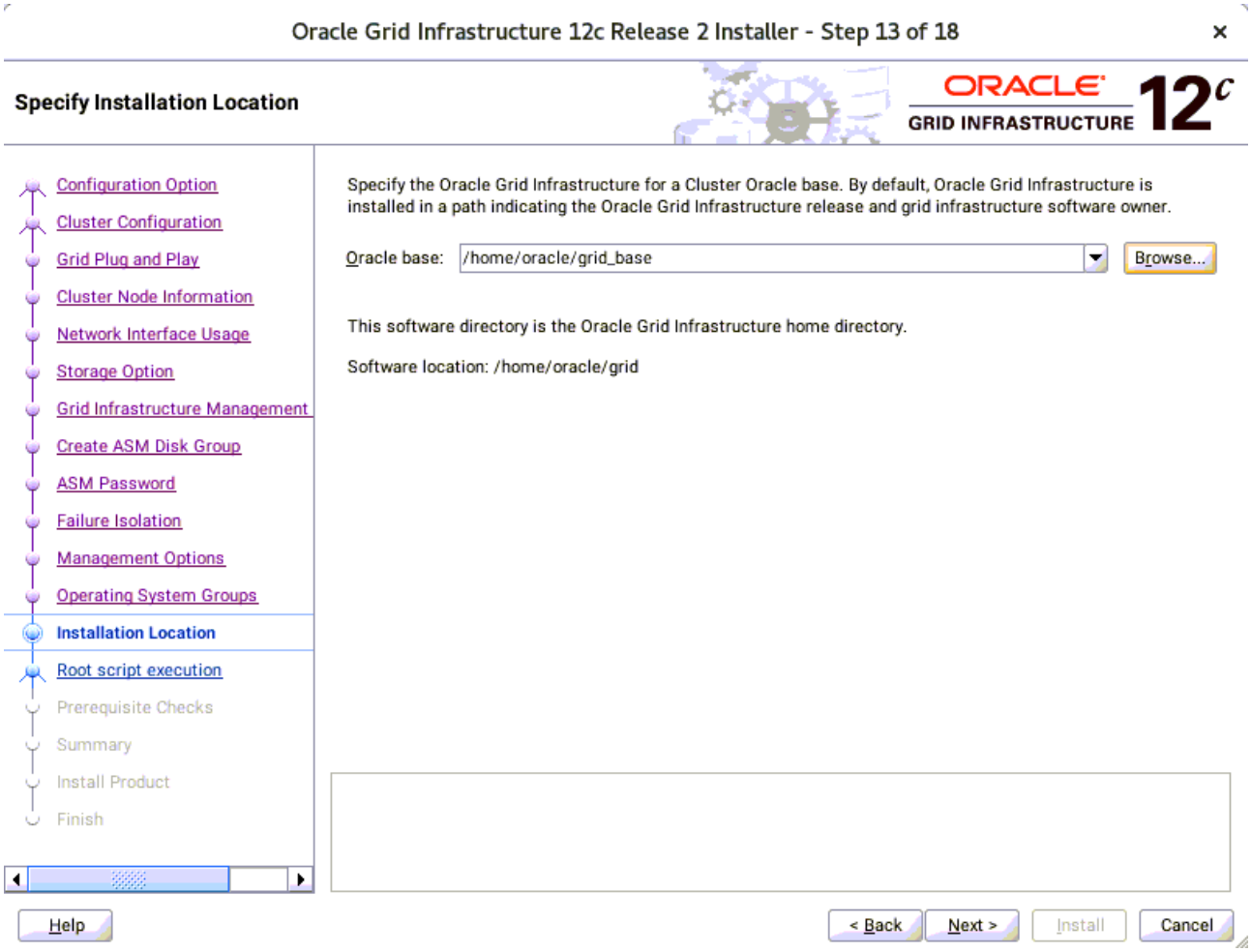
Selected/Deselected the option "**Register with EM...**", then click **Next** to continue.

12). Privileged Operating System Groups.



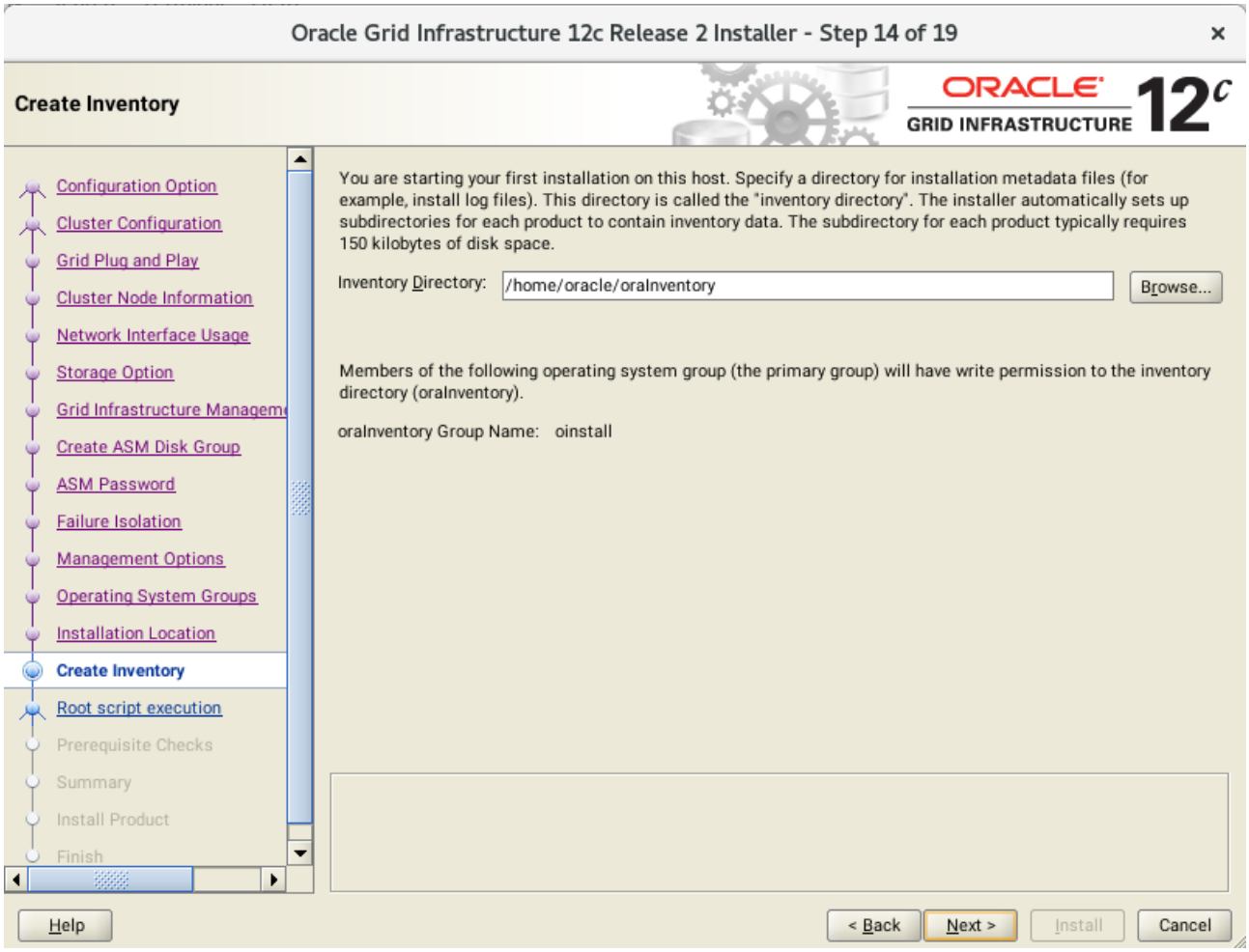
Accept the default operating system group names for Oracle ASM administration, then click **Next** to continue.

13). Specify Installation Location.



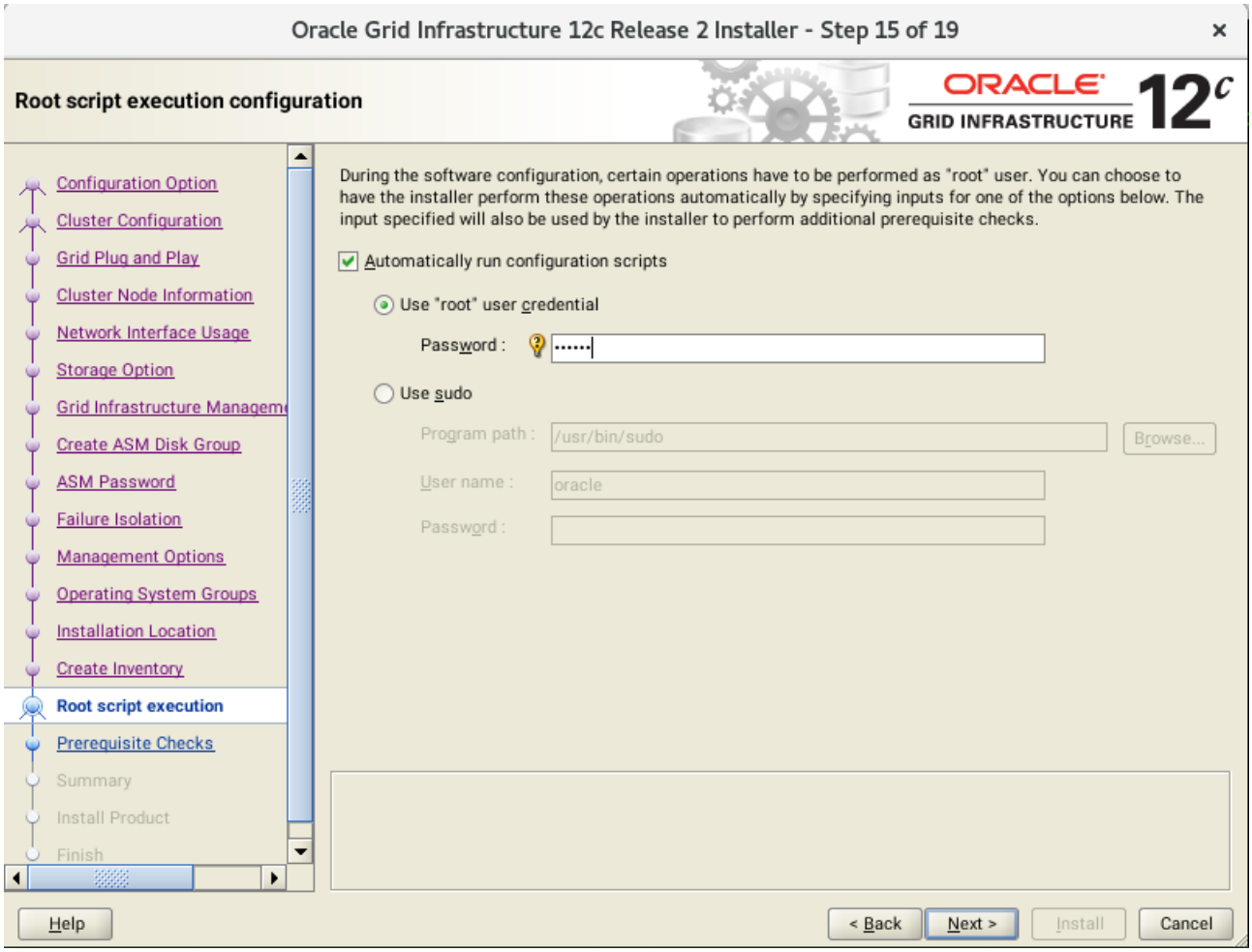
Specify the directory to use for the Oracle base for the Oracle Grid Infrastructure installation, then click **Next** to continue. The Oracle base directory must be different from the Oracle home directory.

14). Create Inventory.



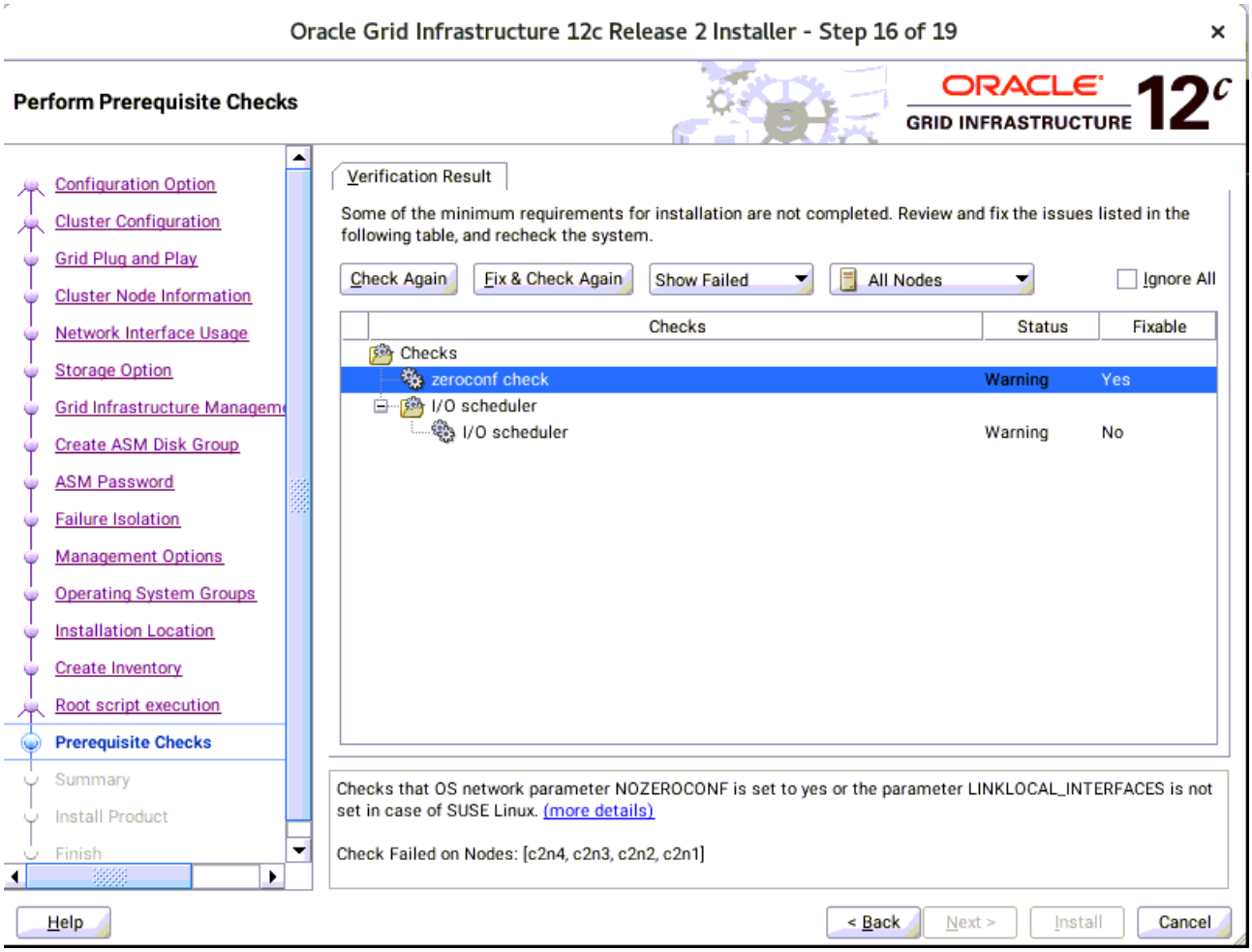
Change the path for the inventory directory, if required. Then, click **Next** to continue.

15). Root script execution configuration.

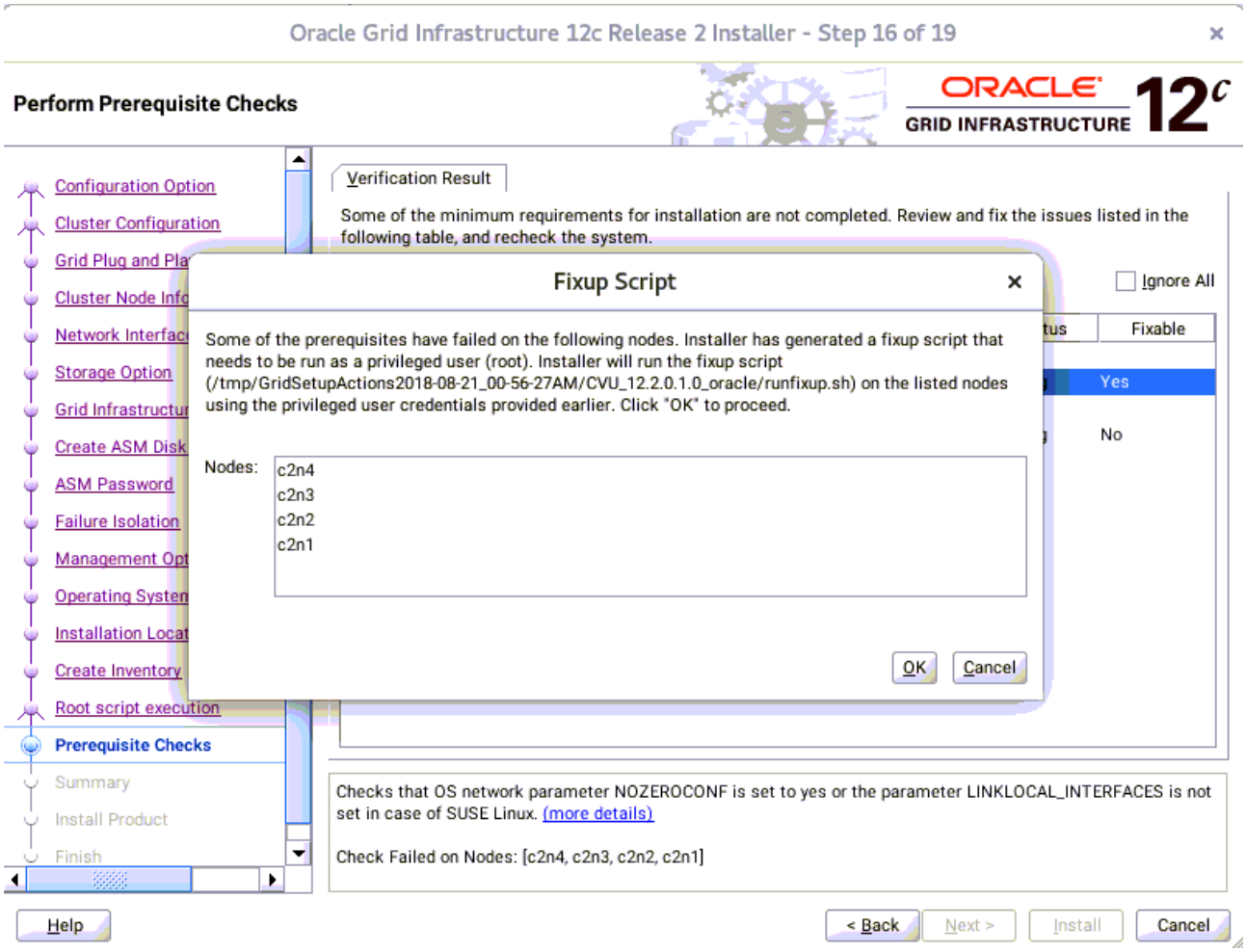


Select the option to **Automatically run configuration scripts**. Enter the credentials for the root user or a sudo account,then click **Next** to continue.
Alternatively, you can Run the scripts manually as the root user at the end of the installation process when prompted by the installer.

16). Perform Prerequisite Checks.



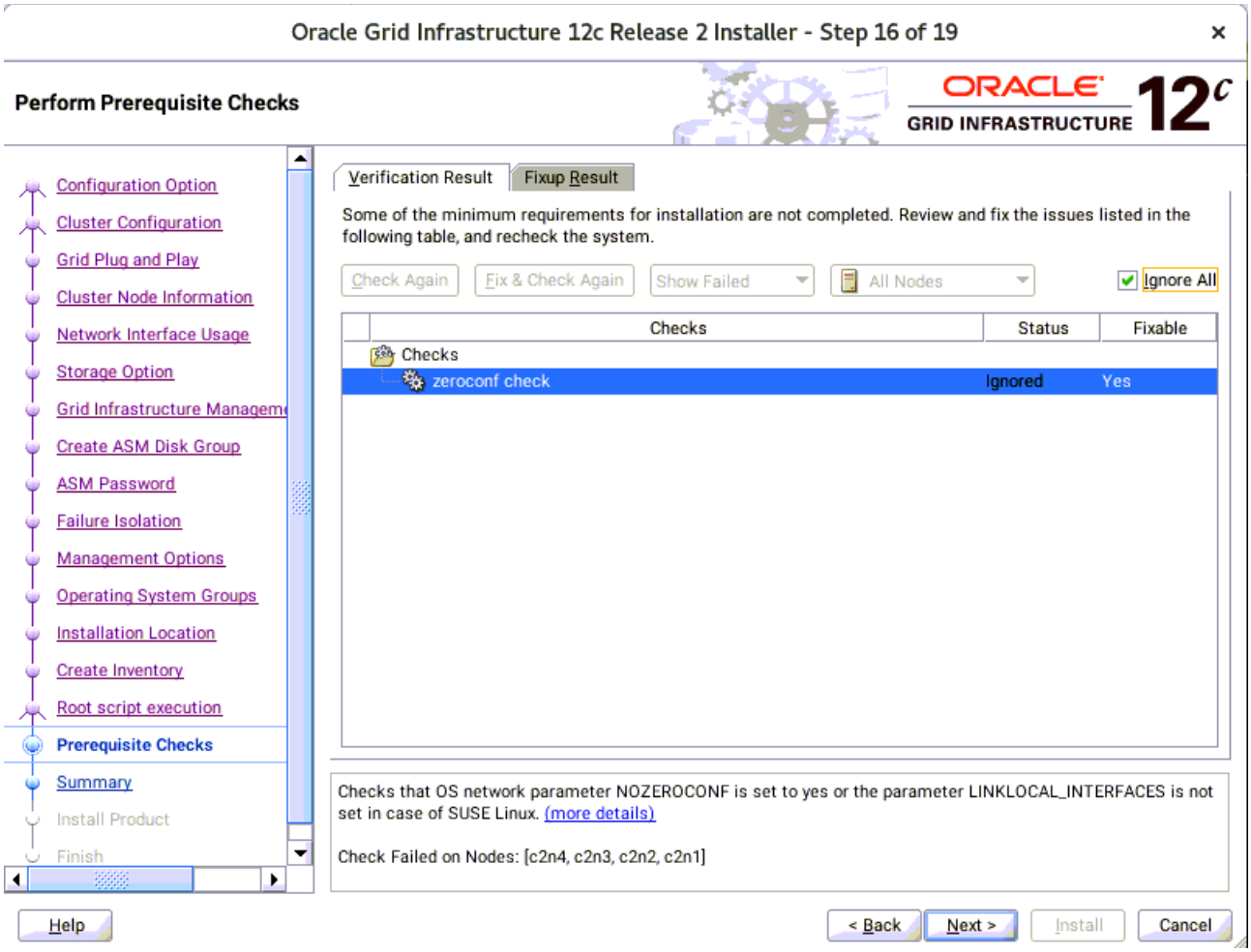
Perform Pre-Check as shown above; Click **Fix&Check Again** to recheck the system.



Follow the prompts, manual run Fixup Script as "root" user on each node, then click **OK**.

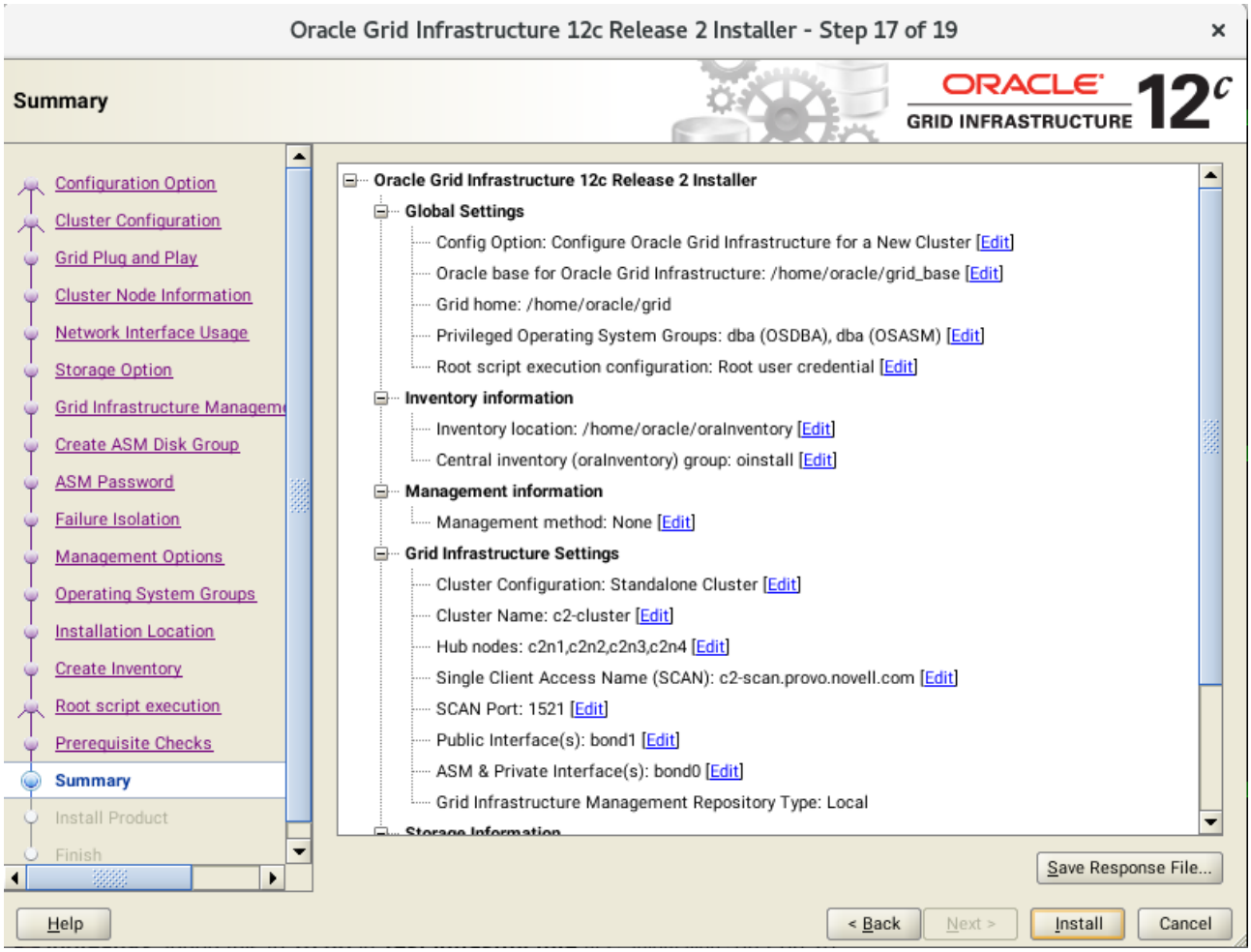
```
c2n1:/home # /tmp/GridSetupActions2018-08-21_00-56-27AM/CVU_12.2.0.1.0_oracle/runfixup.sh
All Fix-up operations were completed successfully.
c2n1:/home #
```

(**Note:** CVU checks are working as expected with exception of zeroconf check; a fix will be in the next distributed CVU.)



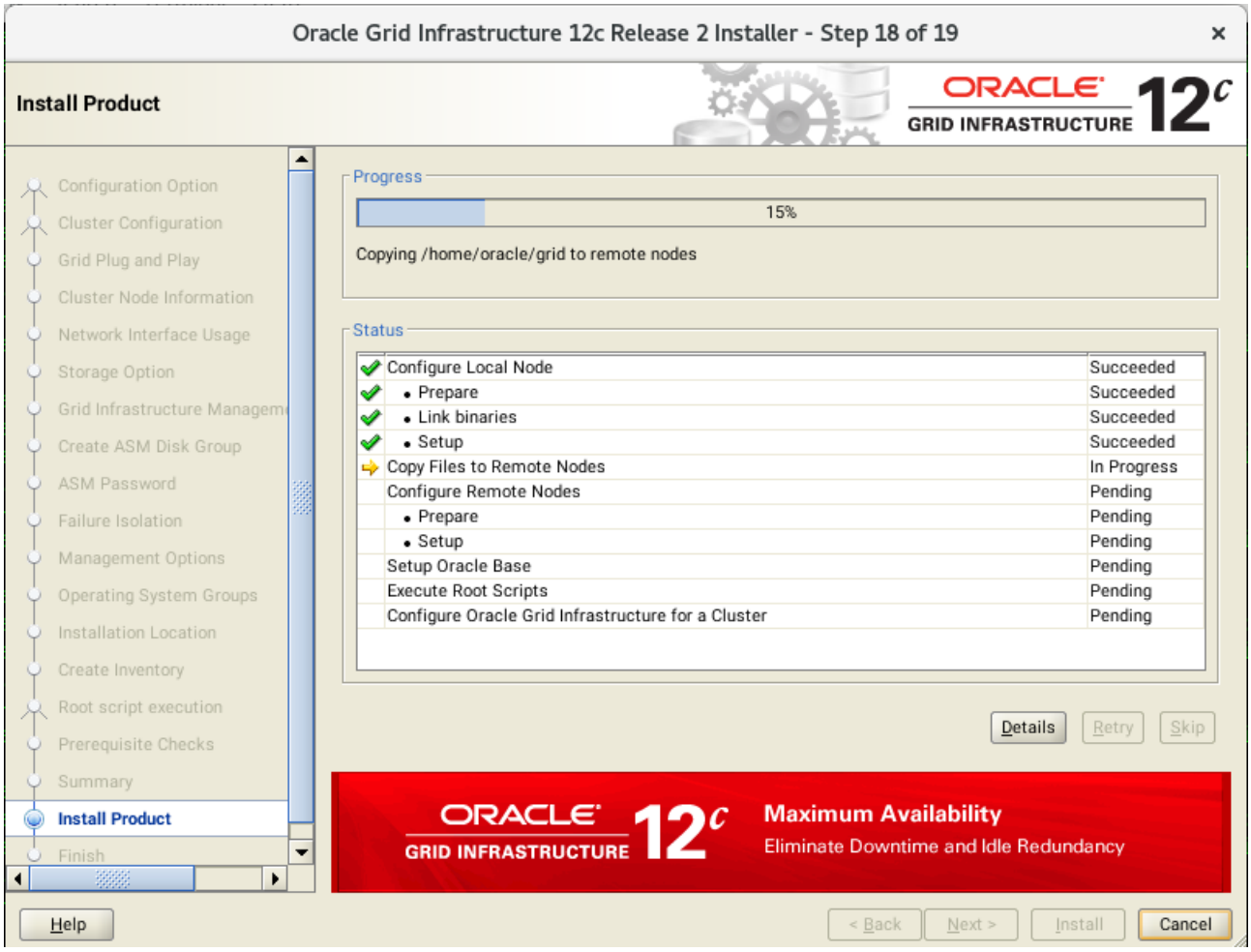
Select option "**Ignore All**", then click **Next** to continue.

17). Summary.

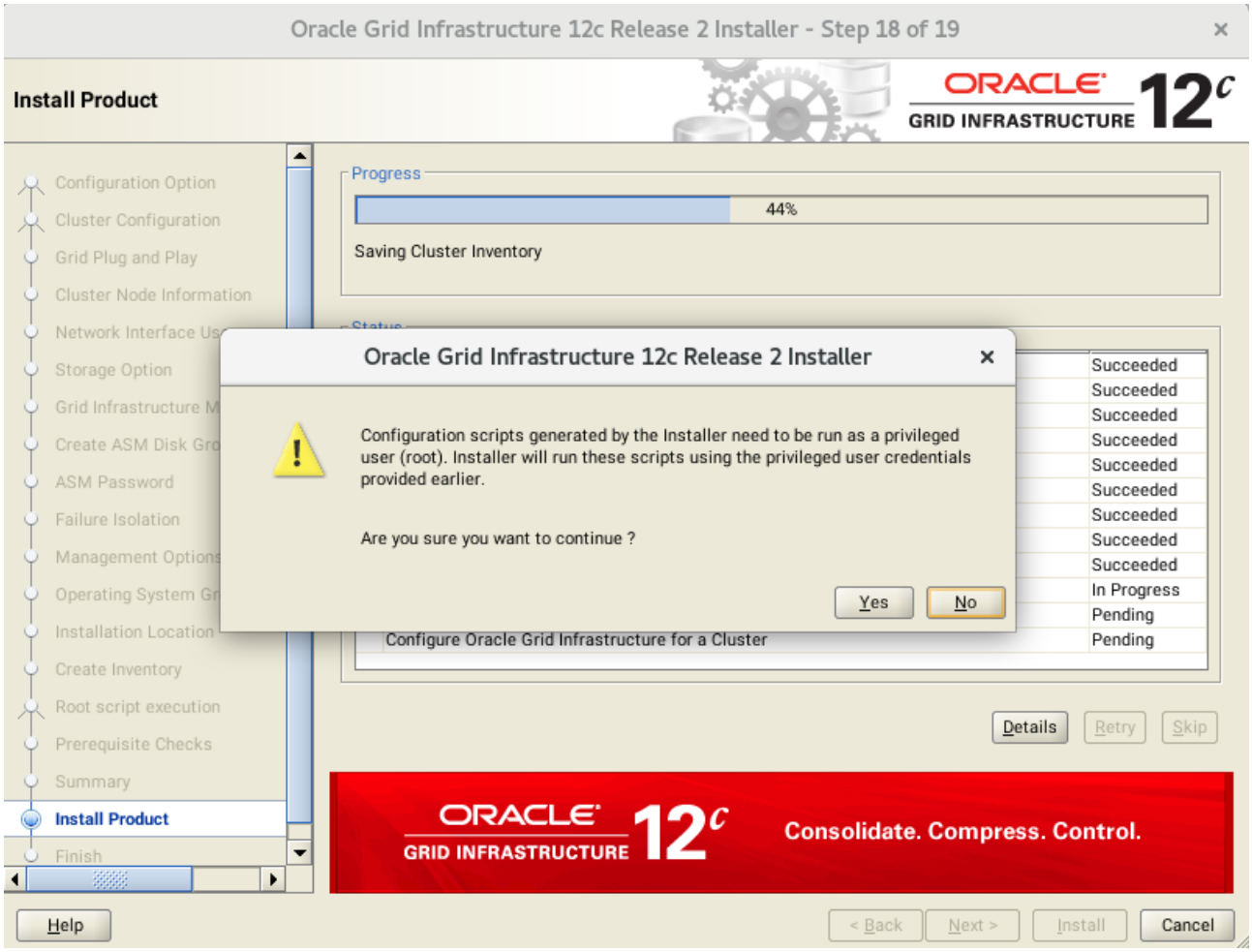


Installation Summary as shown above, click **Install** to continue.

18). Install Product.

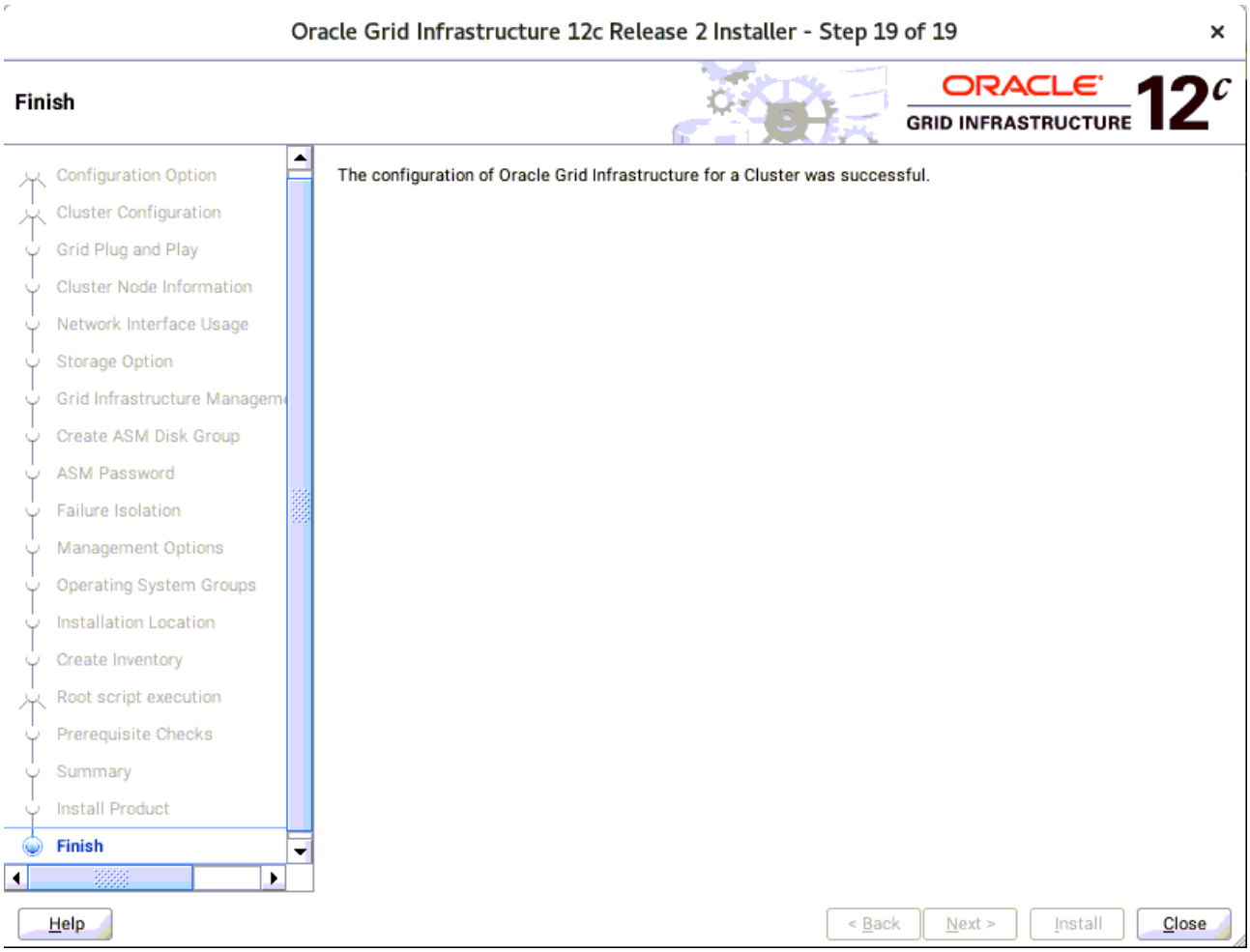


Installer prompted you to run the orainstRoot.sh and root.sh scripts. Click **Yes**.



Continue monitoring the installation until the Finish window appears.

19). Finish.



Click **Close** to complete the installation process and exit the installer.

1-3. Post-Install Checks.

1).Check Oracle Clusterware health.

```
oracle@c2n1:/home/oracle> /home/oracle/grid/bin/crsctl check cluster -all
**************************************************************
c2n1:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
**************************************************************
c2n2:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
**************************************************************
c2n3:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
**************************************************************
c2n4:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
**************************************************************
```

2).Check Oracle Clusterware resources.

```
oracle@c2n1:/home/oracle> /home/oracle/grid/bin/srvctl status nodeapps
VIP 137.65.135.76 is enabled
VIP 137.65.135.76 is running on node: c2n1
VIP 137.65.135.77 is enabled
VIP 137.65.135.77 is running on node: c2n2
VIP 137.65.135.78 is enabled
VIP 137.65.135.78 is running on node: c2n3
VIP 137.65.135.79 is enabled
VIP 137.65.135.79 is running on node: c2n4
Network is enabled
Network is running on node: c2n1
Network is running on node: c2n2
Network is running on node: c2n4
Network is running on node: c2n3
ONS is enabled
ONS daemon is running on node: c2n1
ONS daemon is running on node: c2n2
ONS daemon is running on node: c2n4
ONS daemon is running on node: c2n3
```

3). Check status of designated resources.

```
 /home/oracle/grid/bin/crsctl stat res -t
--------------------------------------------------------------------------------
Name           Target  State        Server                   State details
--------------------------------------------------------------------------------
Local Resources
--------------------------------------------------------------------------------
ora.ASMNET1LSNR_ASM.lsnr
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               OFFLINE OFFLINE      c2n4                     STABLE
ora.LISTENER.lsnr
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
ora.SUSEDEMO.dg
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               OFFLINE OFFLINE      c2n4                     STABLE
ora.chad
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
ora.net1.network
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
ora.ons
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
--------------------------------------------------------------------------------
Cluster Resources
--------------------------------------------------------------------------------
ora.LISTENER_SCAN1.lsnr
      1        ONLINE  ONLINE       c2n2                     STABLE
ora.LISTENER_SCAN2.lsnr
      1        ONLINE  ONLINE       c2n3                     STABLE
ora.LISTENER_SCAN3.lsnr
      1        ONLINE  ONLINE       c2n4                     STABLE
ora.MGMTLSNR
      1        ONLINE  ONLINE       c2n1                     169.254.207.176 10.1
                                                             .1.1,STABLE
ora.asm
      1        ONLINE  ONLINE       c2n1                     Started,STABLE
      2        ONLINE  ONLINE       c2n2                     Started,STABLE
      3        ONLINE  ONLINE       c2n3                     Started,STABLE
ora.c2n1.vip
      1        ONLINE  ONLINE       c2n1                     STABLE
ora.c2n2.vip
      1        ONLINE  ONLINE       c2n2                     STABLE
```

```
ora.c2n3.vip
     1        ONLINE  ONLINE       c2n3                  STABLE
ora.c2n4.vip
     1        ONLINE  ONLINE       c2n4                  STABLE
ora.cvu
     1        ONLINE  ONLINE       c2n1                  STABLE
ora.mgmtdb
     1        ONLINE  ONLINE       c2n1                  Open,STABLE
ora.qosmserver
     1        ONLINE  ONLINE       c2n1                  STABLE
ora.scan1.vip
     1        ONLINE  ONLINE       c2n2                  STABLE
ora.scan2.vip
     1        ONLINE  ONLINE       c2n3                  STABLE
ora.scan3.vip
     1        ONLINE  ONLINE       c2n4                  STABLE
--------------------------------------------------------------------------------
```

4).Check OCR and Voting disk files.

```
oracle@c2n1:/home/oracle> /home/oracle/grid/bin/ocrcheck
Status of Oracle Cluster Registry is as follows :
          Version                  :          4
          Total space (kbytes)     :     409568
          Used space (kbytes)      :       2324
          Available space (kbytes) :     407244
          ID                       : 1244818092
          Device/File Name         :  +SUSEDEMO
                                     Device/File integrity check succeeded

                                     Device/File not configured

                                     Device/File not configured

                                     Device/File not configured

                                     Device/File not configured

          Cluster registry integrity check succeeded

          Logical corruption check bypassed due to non-privileged user

oracle@c2n1:/home/oracle> /home/oracle/grid/bin/crsctl query css votedisk
##  STATE    File Universal Id                File Name Disk group
--  -----    -----------------                --------- ---------
 1. ONLINE   c4a0b2f390724f49bf04e44f4ccff587 (/dev/oradata/dstdisk1) [SUSEDEMO]
 2. ONLINE   862c261278274f80bf4c028766cc69f0 (/dev/oradata/dstdisk3) [SUSEDEMO]
 3. ONLINE   4288e19357cf4f92bf7d6f6c19b7261b (/dev/oradata/dstdisk2) [SUSEDEMO]
Located 3 voting disk(s).
```

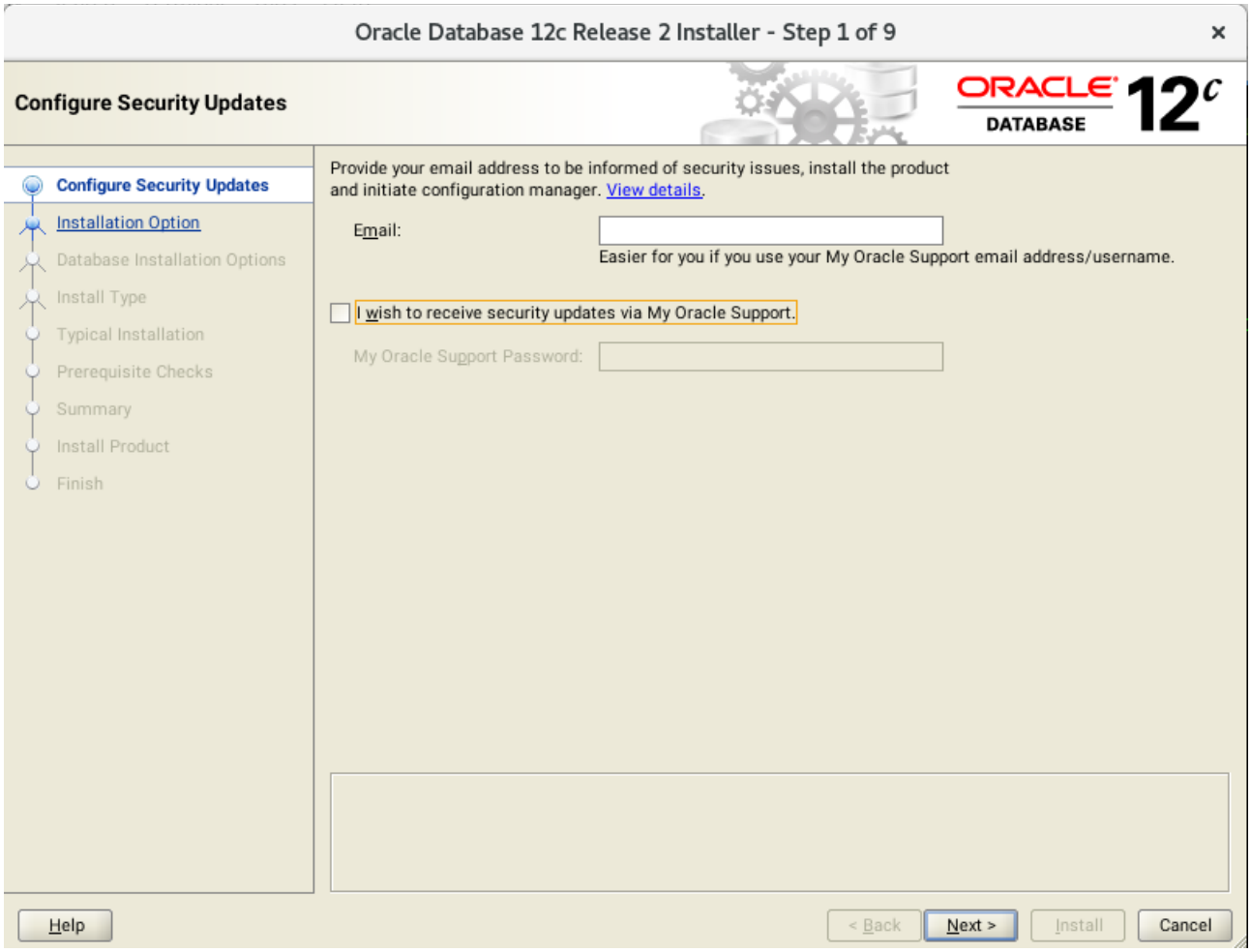
2. Installing Oracle Database.

1-1. Login to the SLES 15 64-bit OS as a non-admin user. Download the Oracle Database 12c Release 2 (12.2.0.1.0) for Linux x86-64.

1-2. Extract linuxx64_12201_database.zip and run the installer '**./runInstaller**' from Database ShipHome.

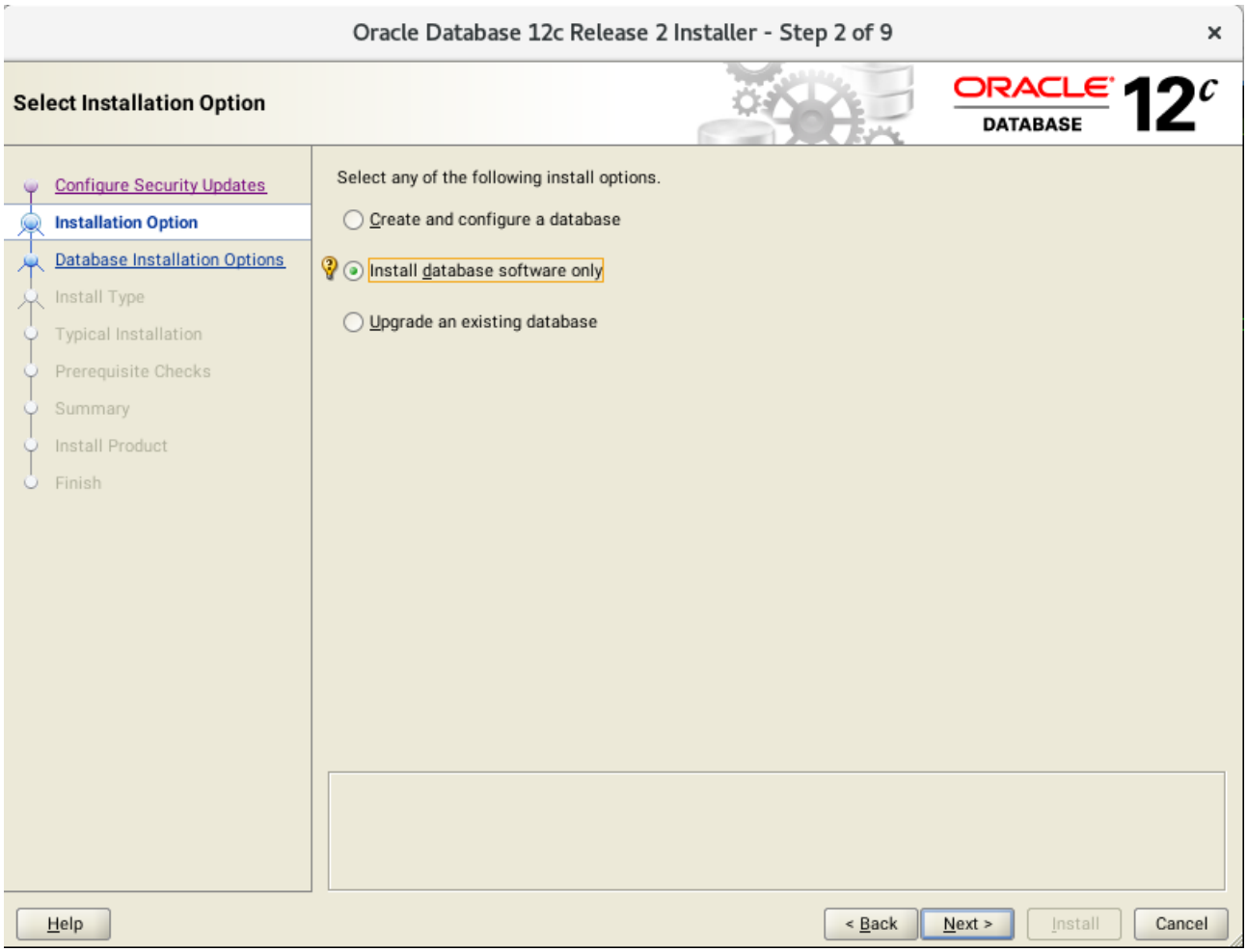
Install Flow:

1). Configure Security Updates.



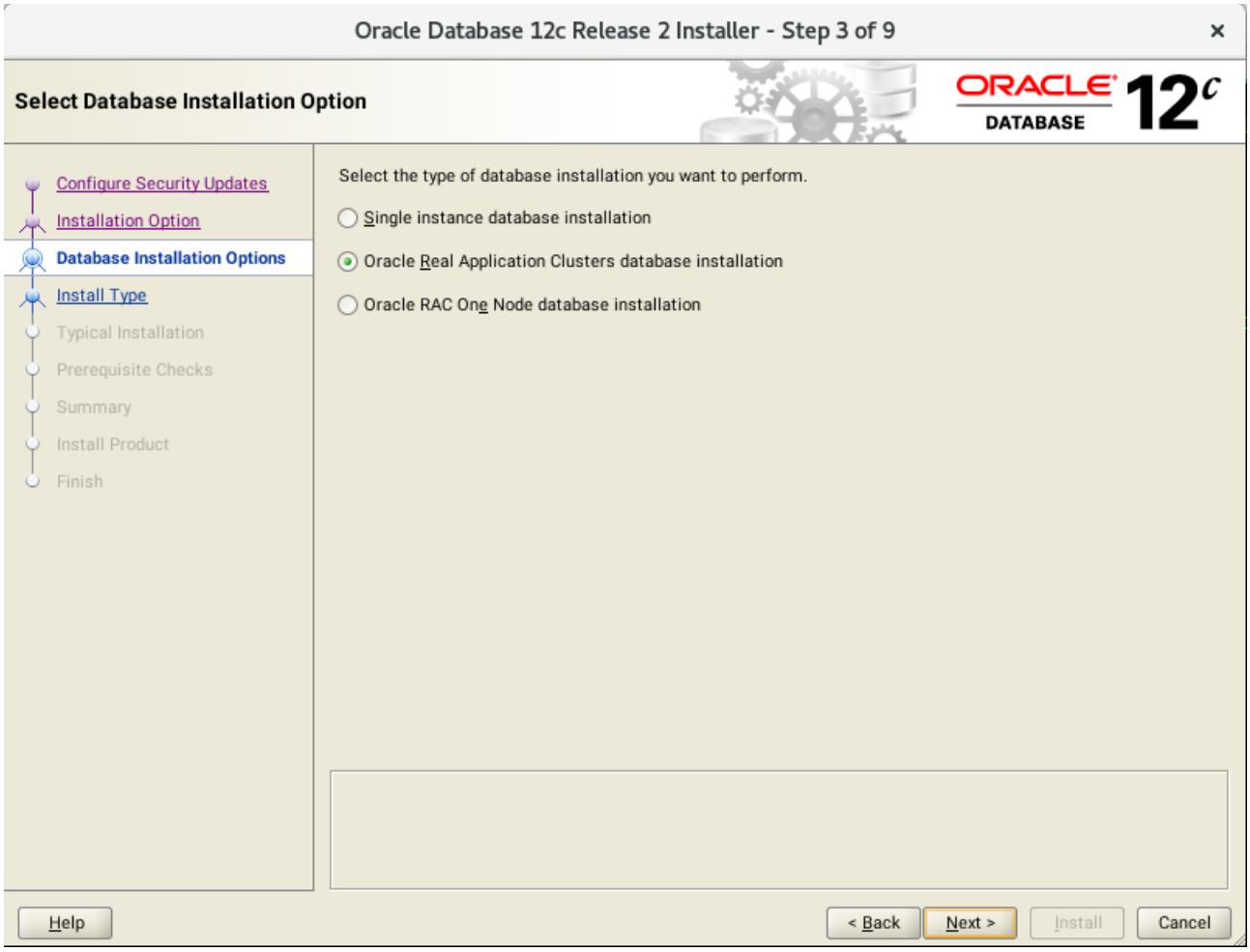
Provide your email address to be informaed of security issues, then click **Next** to continue.

2). Select Installation Option.



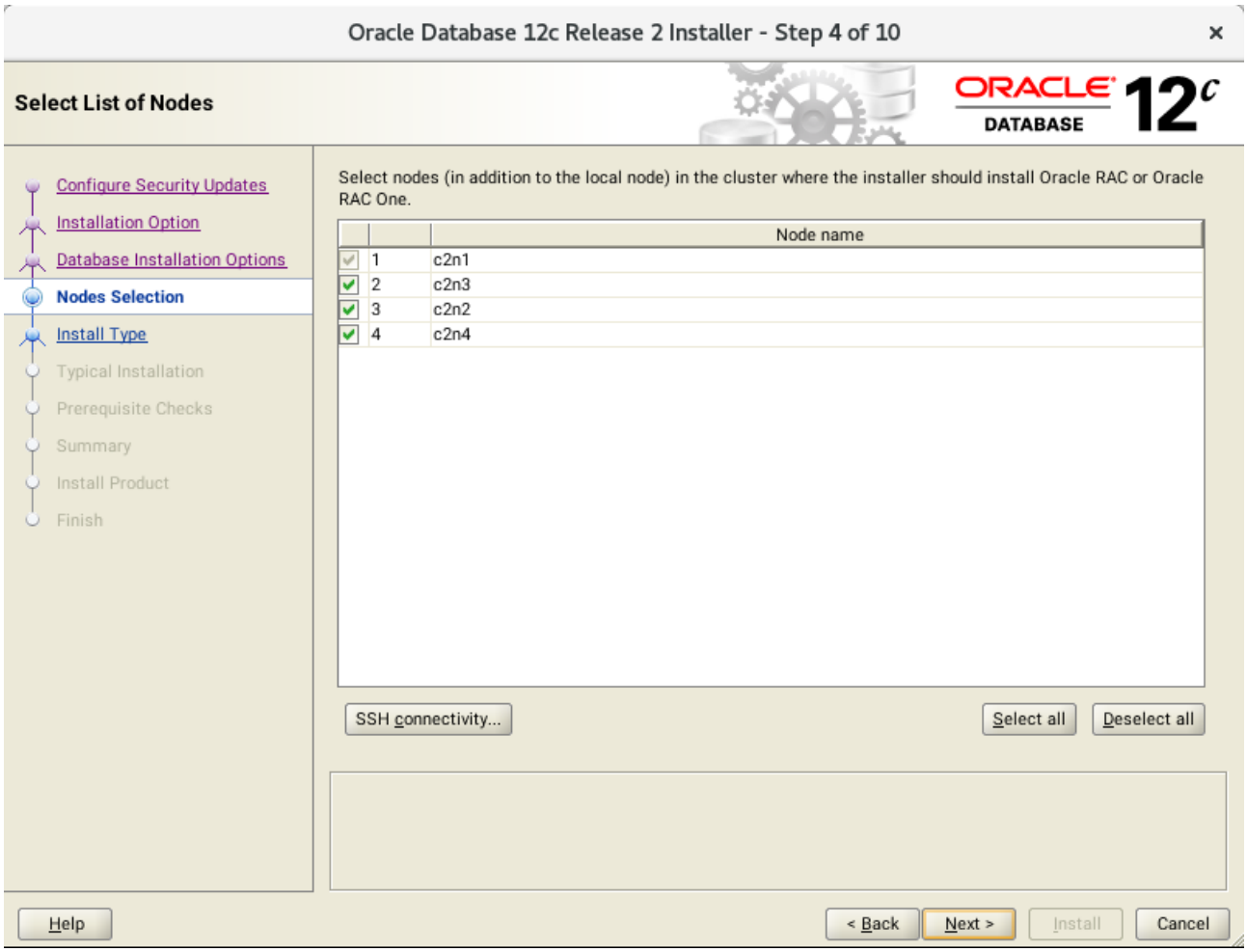
Select option "**Install database software only**", then click **Next** to continue.

3). Select Database Installation Option.



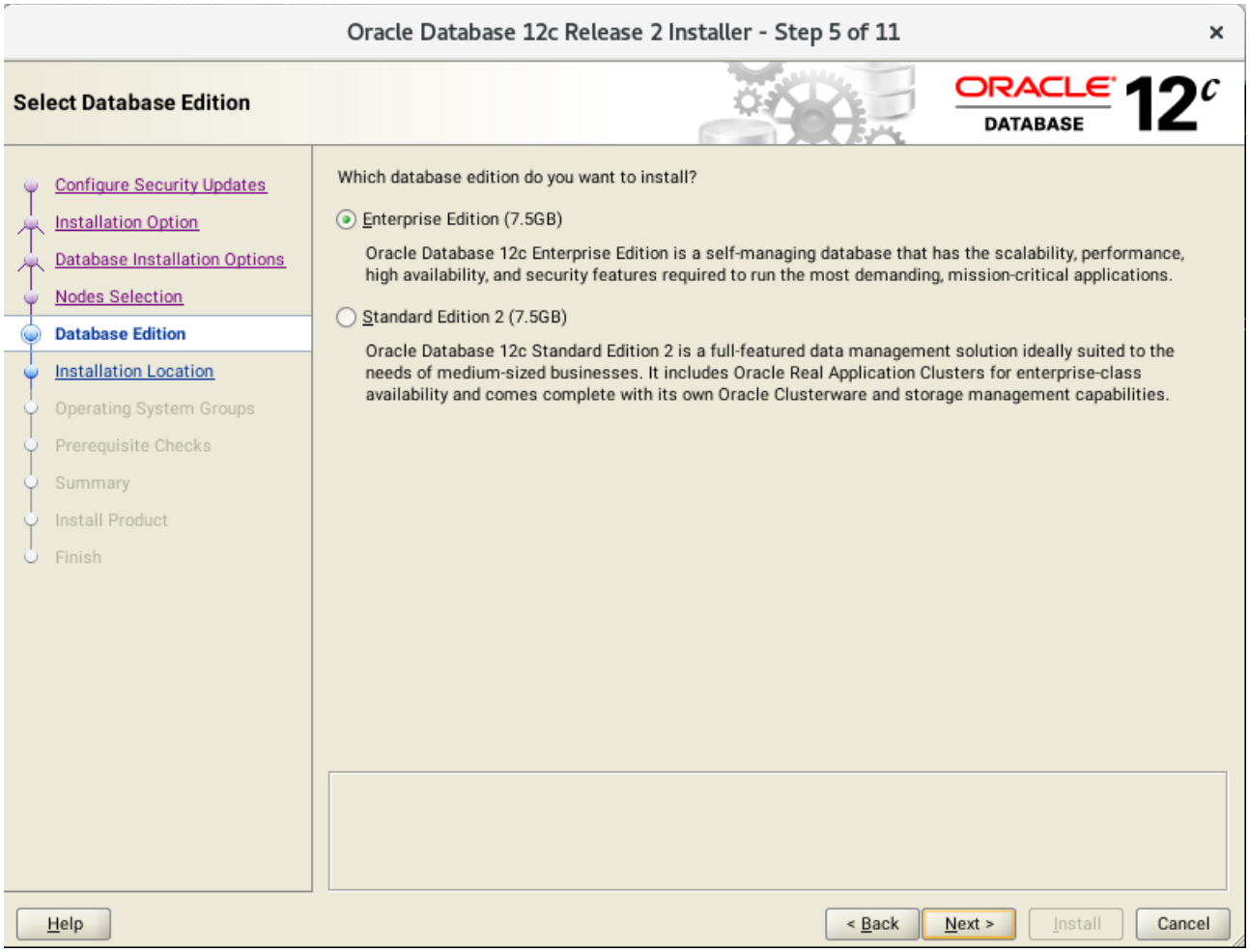
Choose option "**Oracle Real Application Clusters database installation**", then click **Next** to continue.

4). Select List of Nodes.



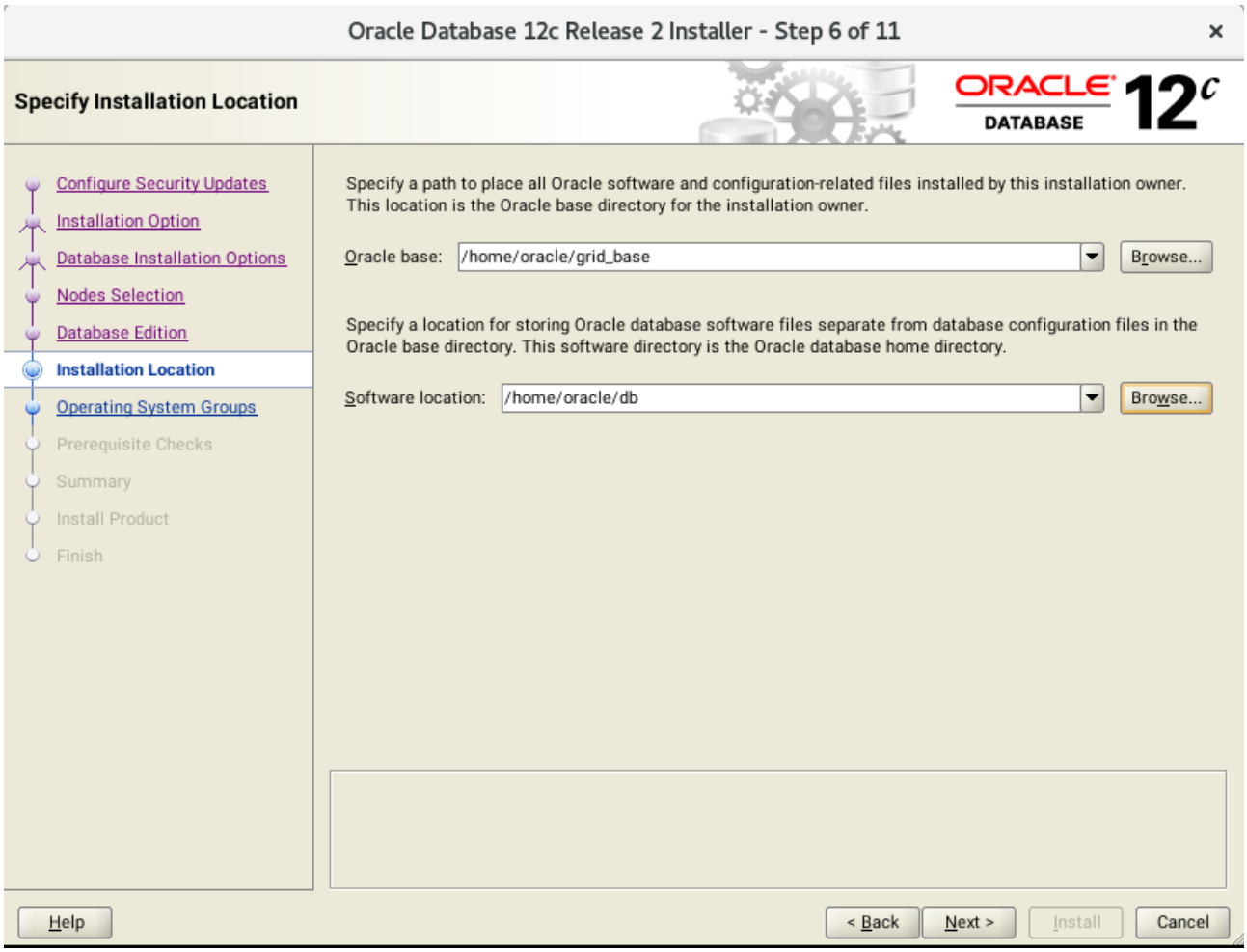
Select all nodes in the cluster, then click **Next** to continue.

5). Select Database Edition.



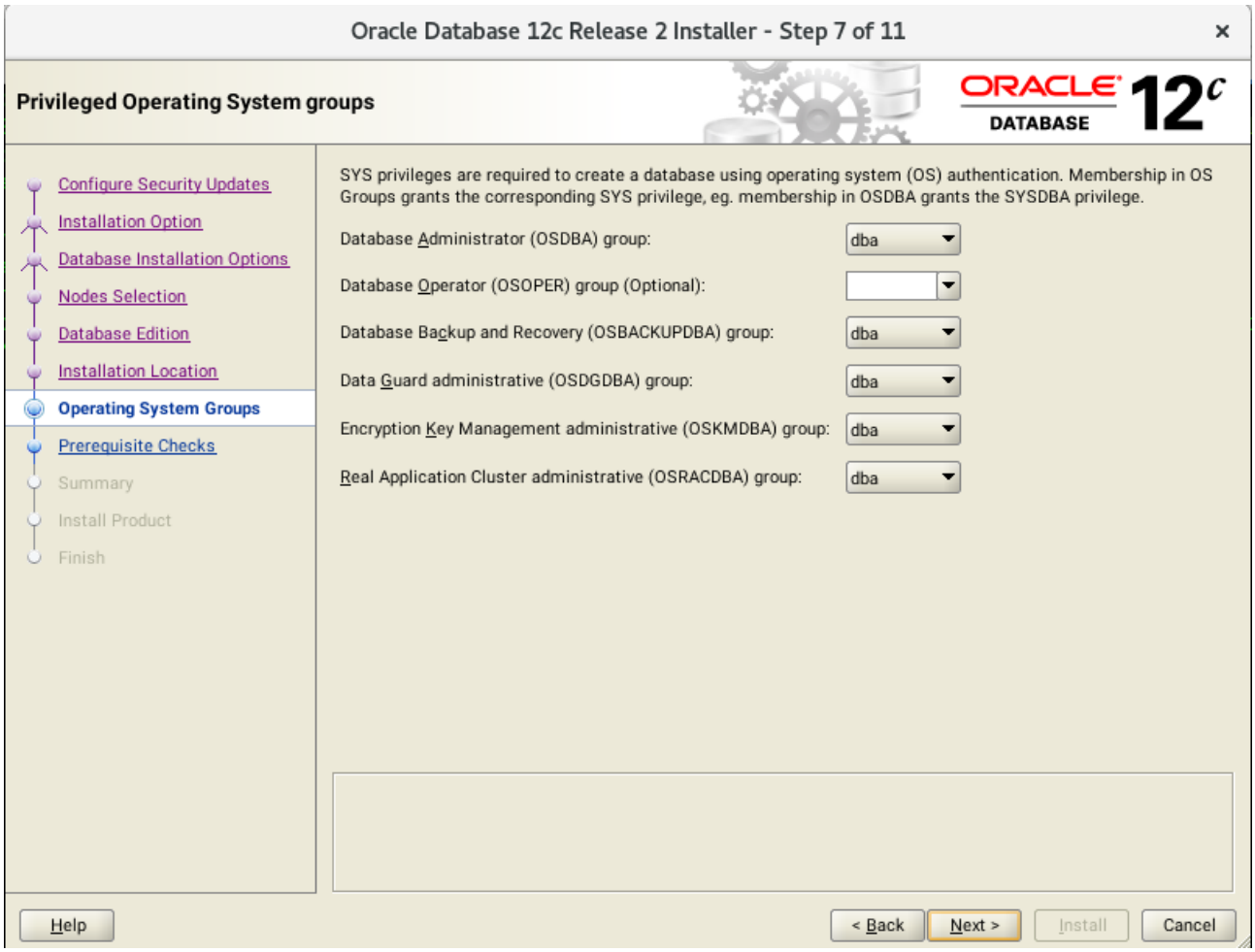
Choose option "**Enterprise Edition**", then click **Next** to continue.

6). Specify Installation Location.



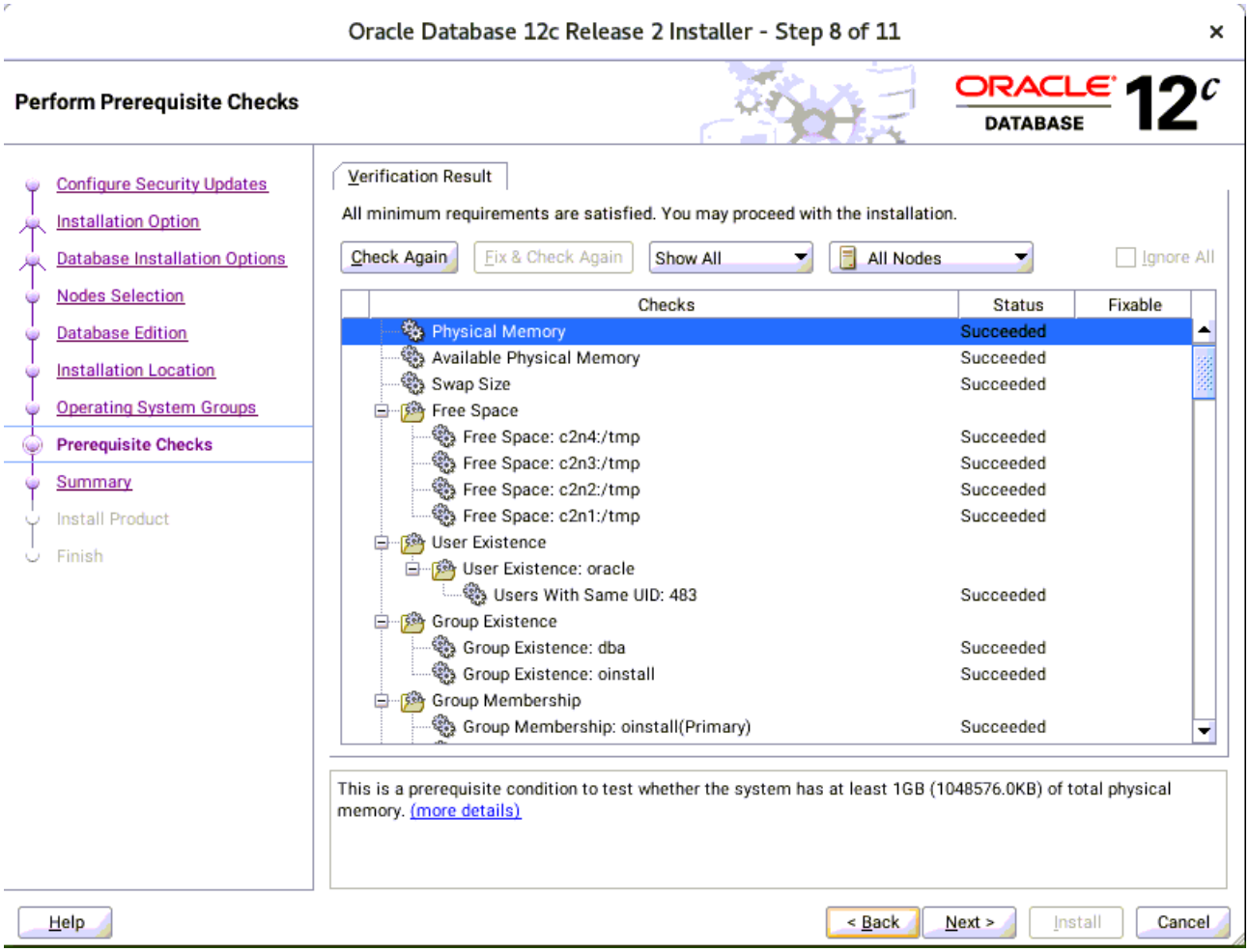
Fill in **Oracle base** and **Software location** as shown above, then click **Next** to continue.

7). Privileged Operating System groups.



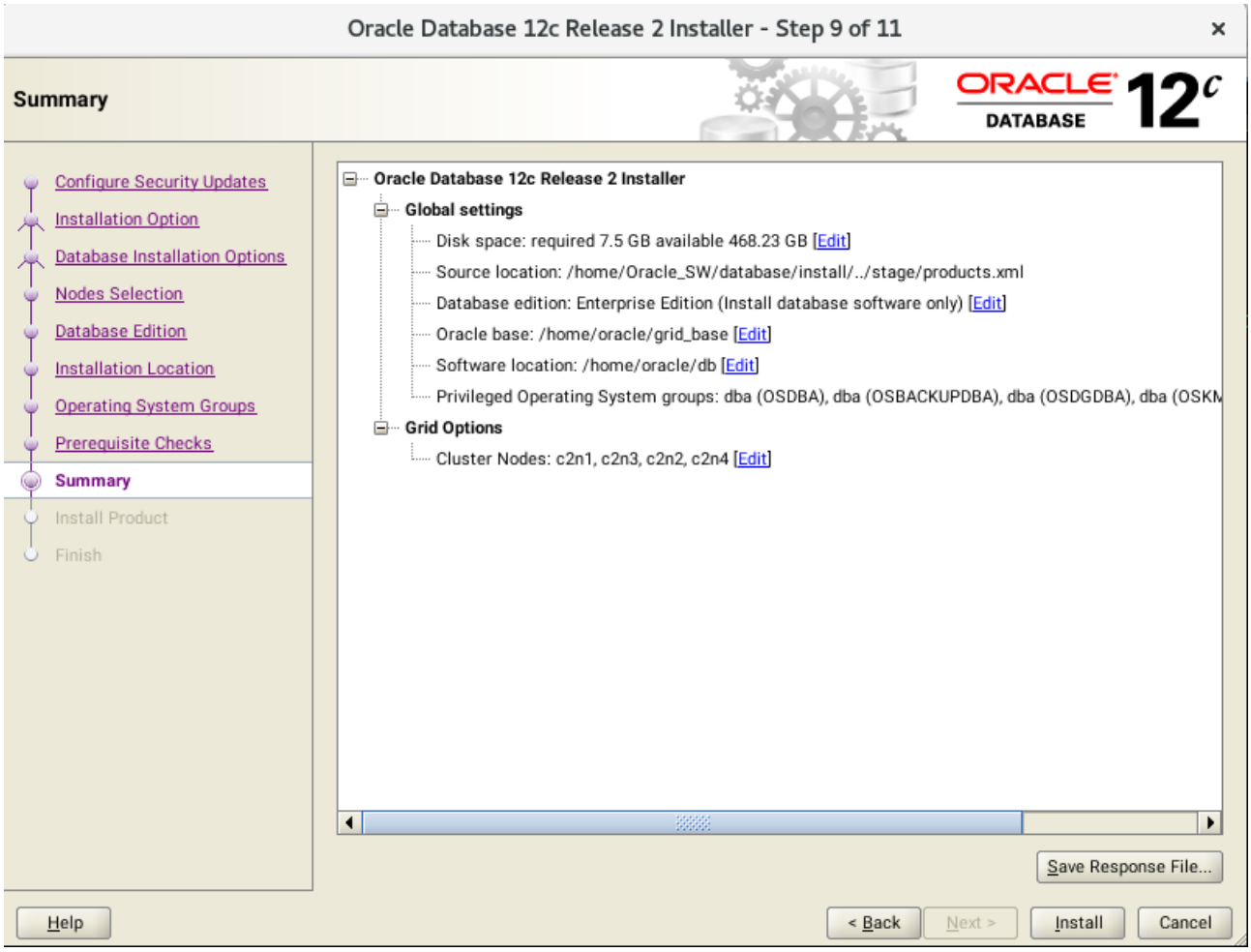
Selected by default, then click **Next** to continue.

8). Perform Prerequisite Checks.



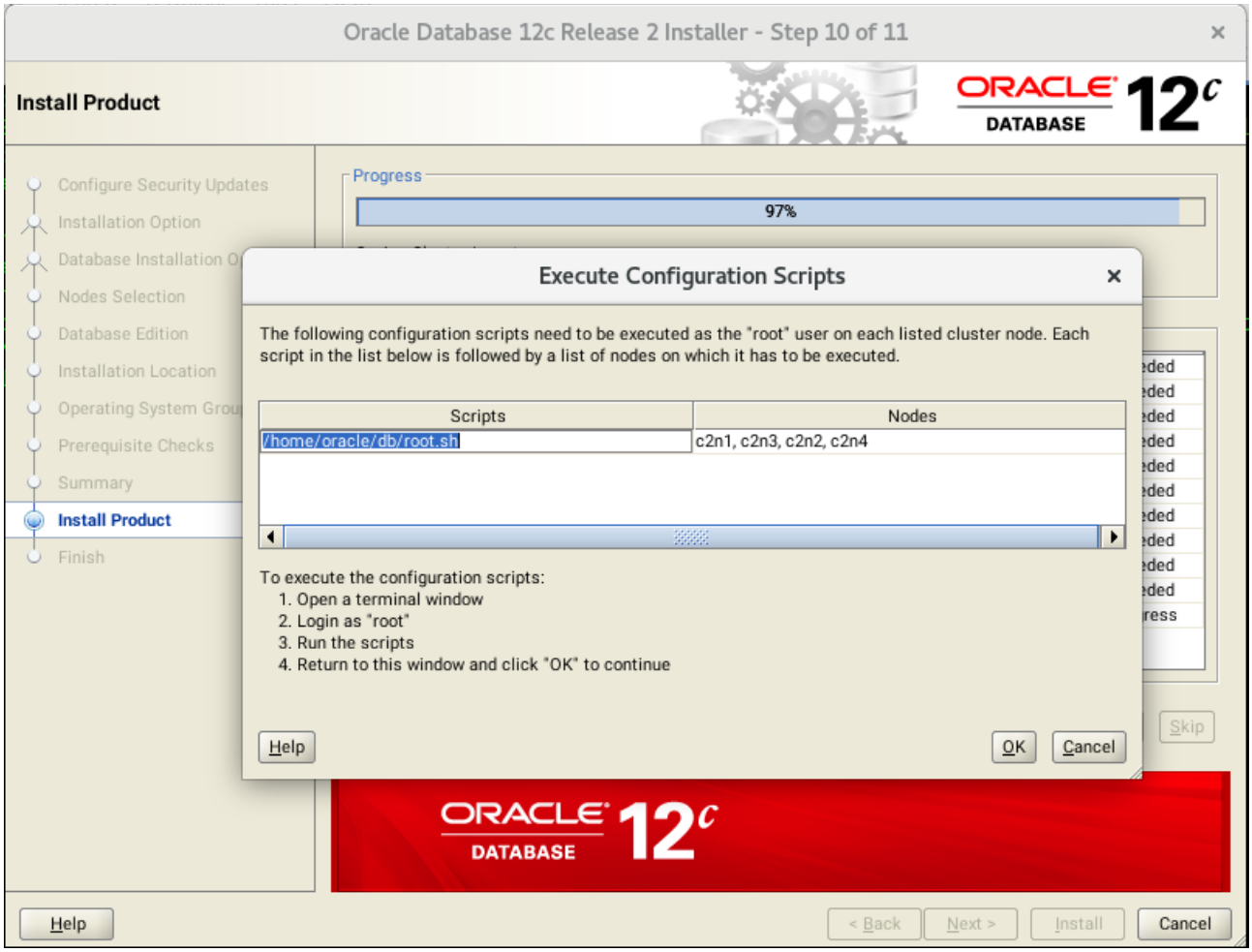
Checking verification result, click **Next** to continue.

9). Summary.



Installation Summary as shown above, click **Install** to continue.

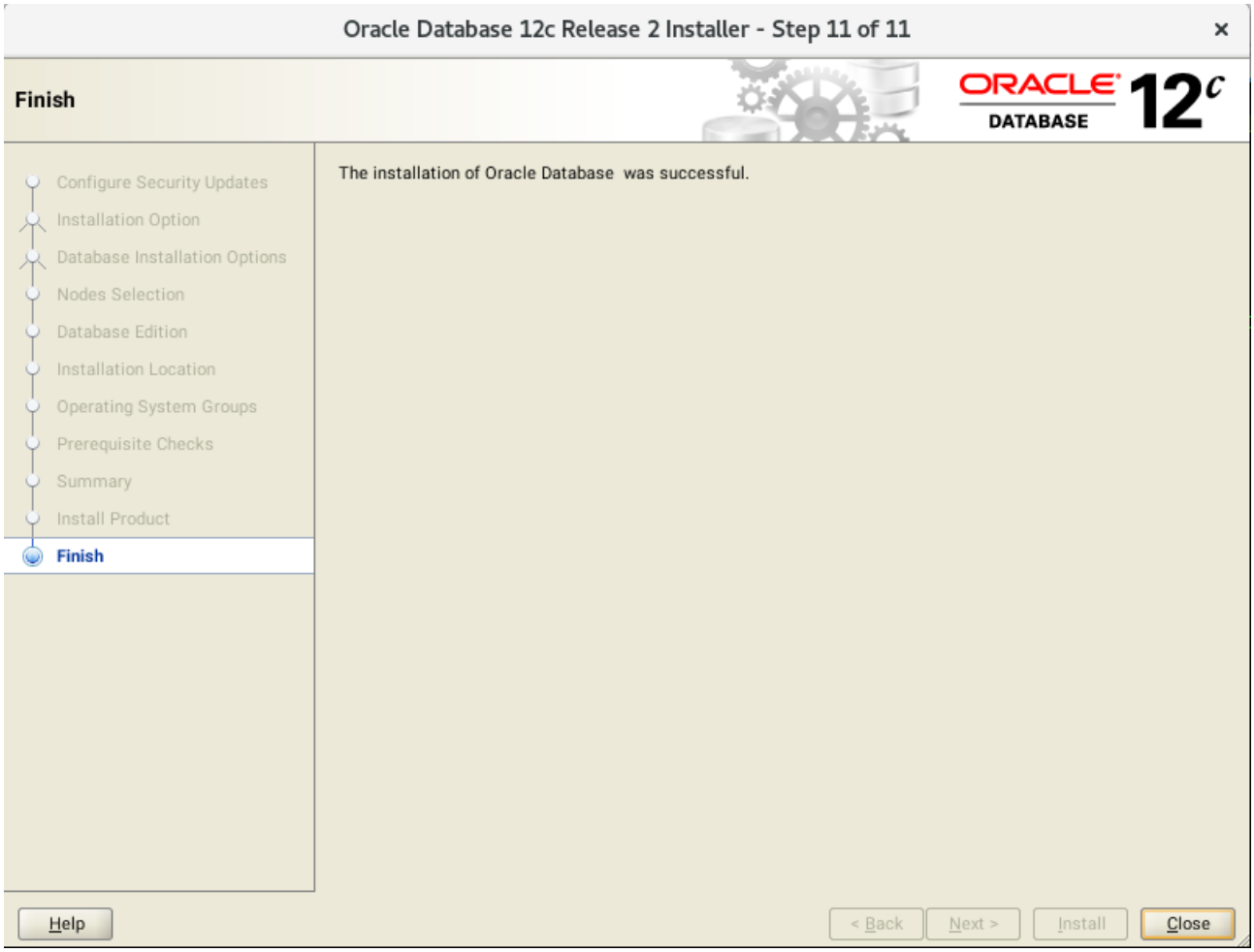
10). Install Product.



Execute **root.sh** as the "root" user on each cluster node, then click **OK** to continue.

```
c2n1:/home/oracle # /home/oracle/db/root.sh
Performing root user operation.

The following environment variables are set as:
    ORACLE_OWNER= oracle
    ORACLE_HOME=  /home/oracle/db

Enter the full pathname of the local bin directory: [/usr/local/bin]:
The contents of "dbhome" have not changed. No need to overwrite.
The contents of "oraenv" have not changed. No need to overwrite.
The contents of "coraenv" have not changed. No need to overwrite.

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.
```

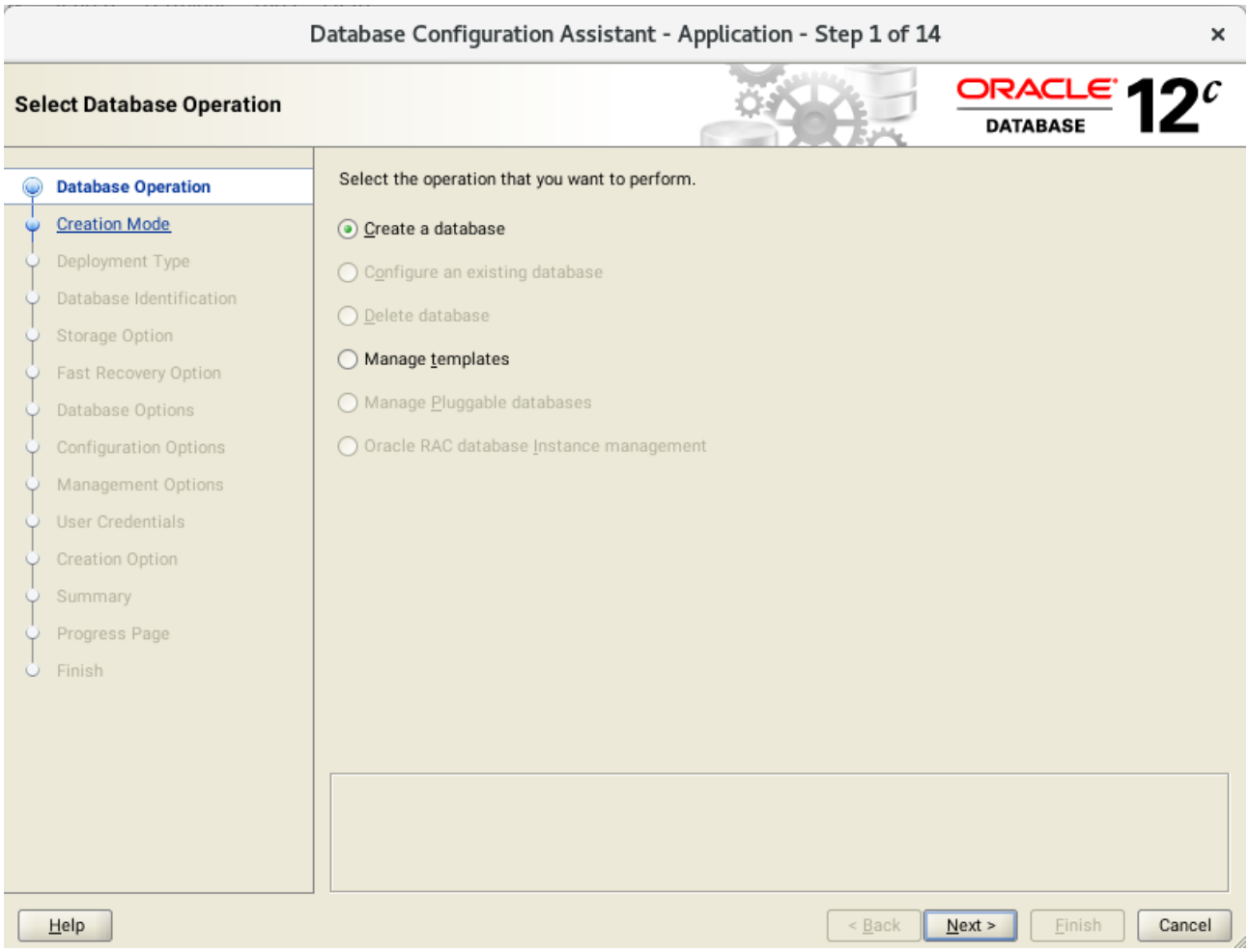
11). Finish



The installation of Oracle Database is finished, click **Close** to dismiss the screen.

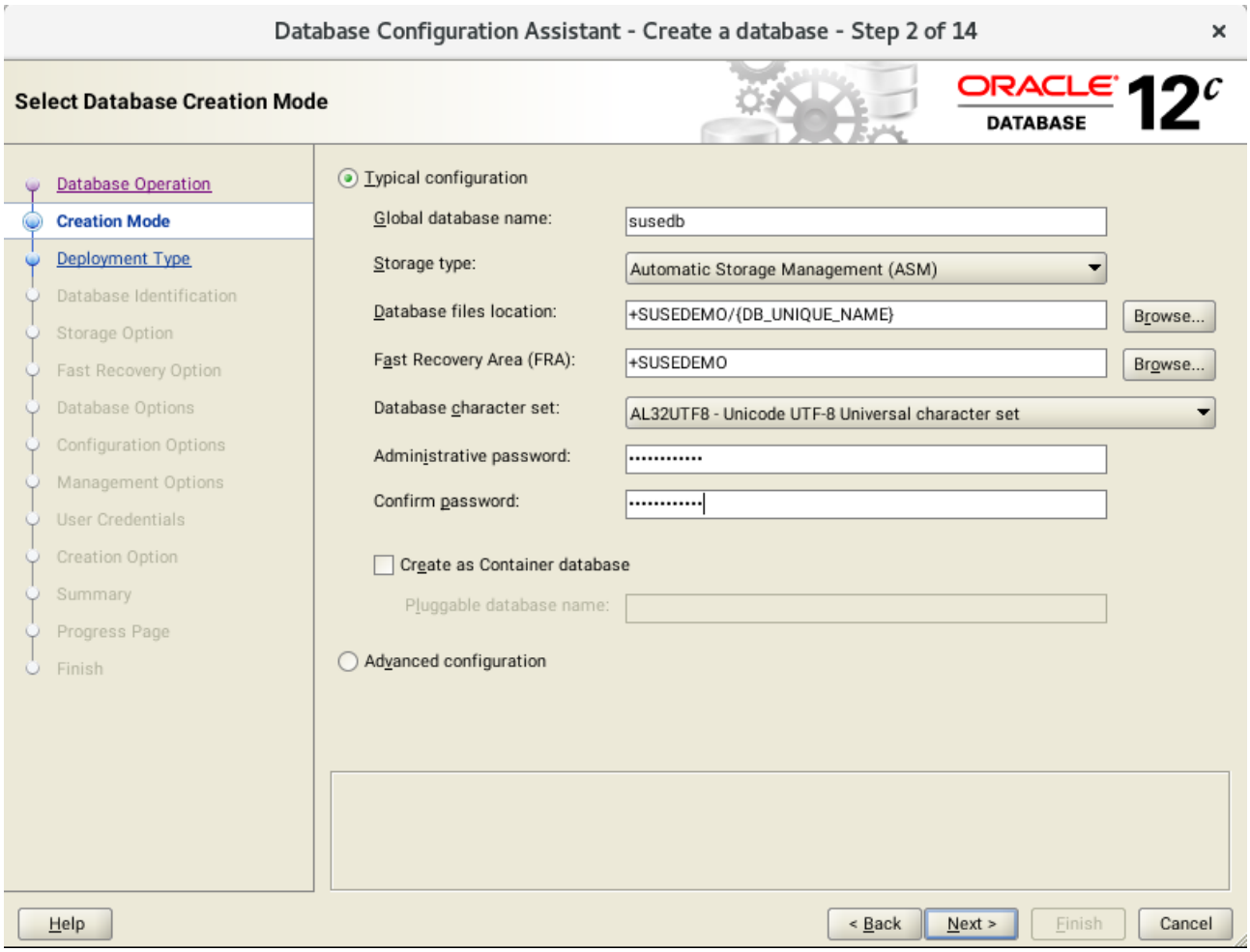
1-3. Using DBCA to create Oracle RAC DataBase.

1). Database Operation.



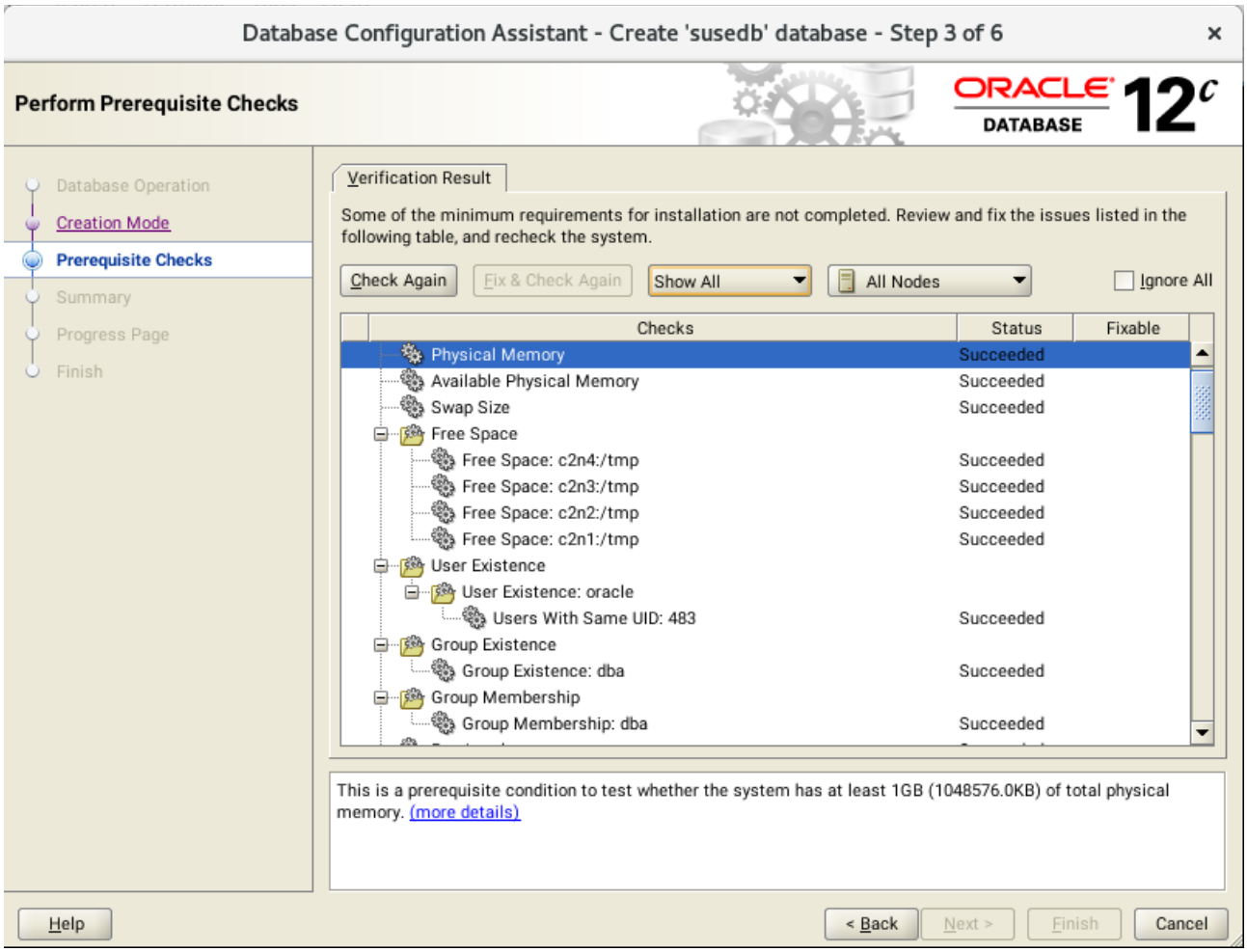
Select option "**Create Database**", then click **Next** to continue.

2). Creation Mode.



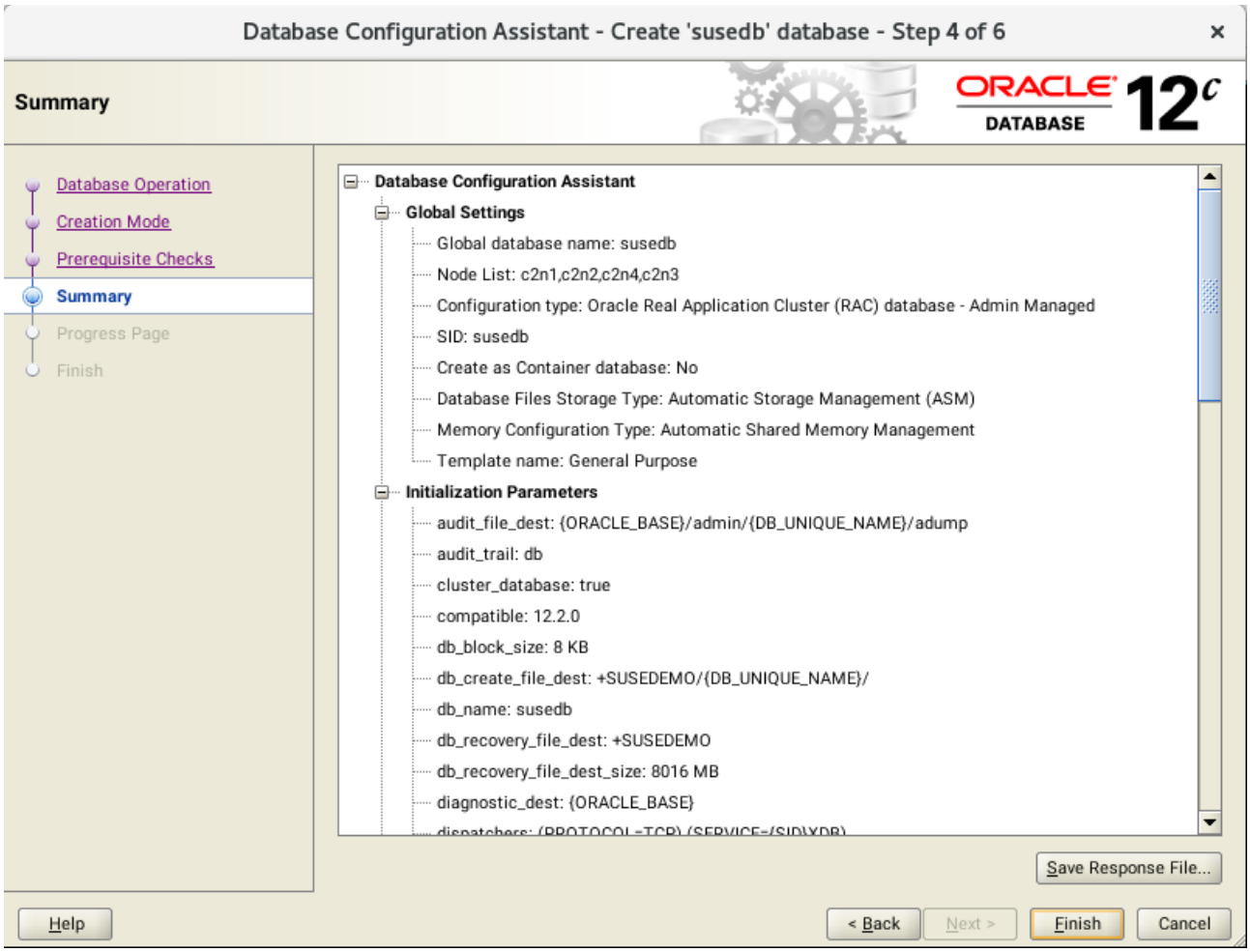
Select option "**Typical configuration**" and fill in administrator password. Then, click **Next** to continue.

3). Perform Prerequisite Checks.



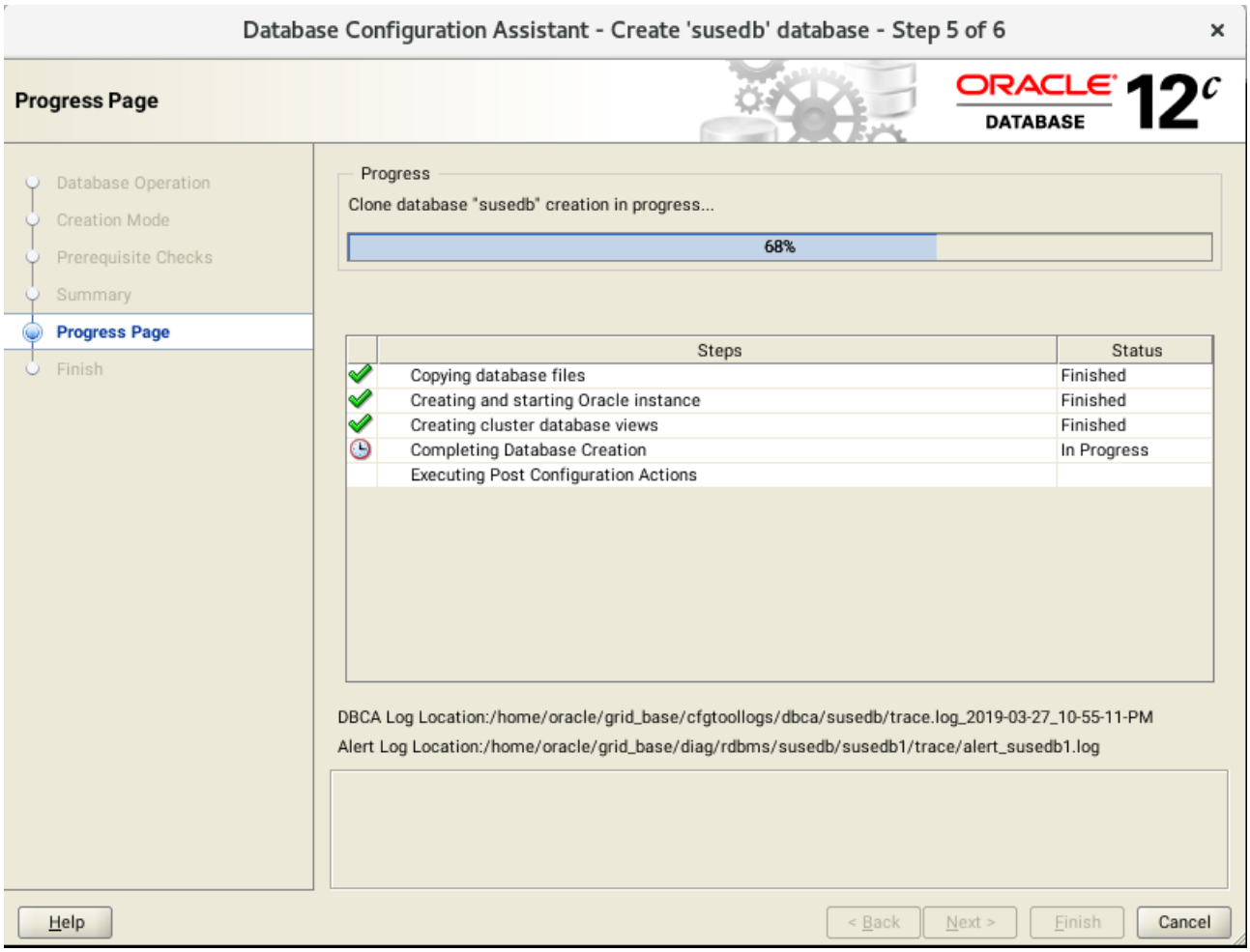
Checking verification result, then click **Next** to continue.

4). Summary.



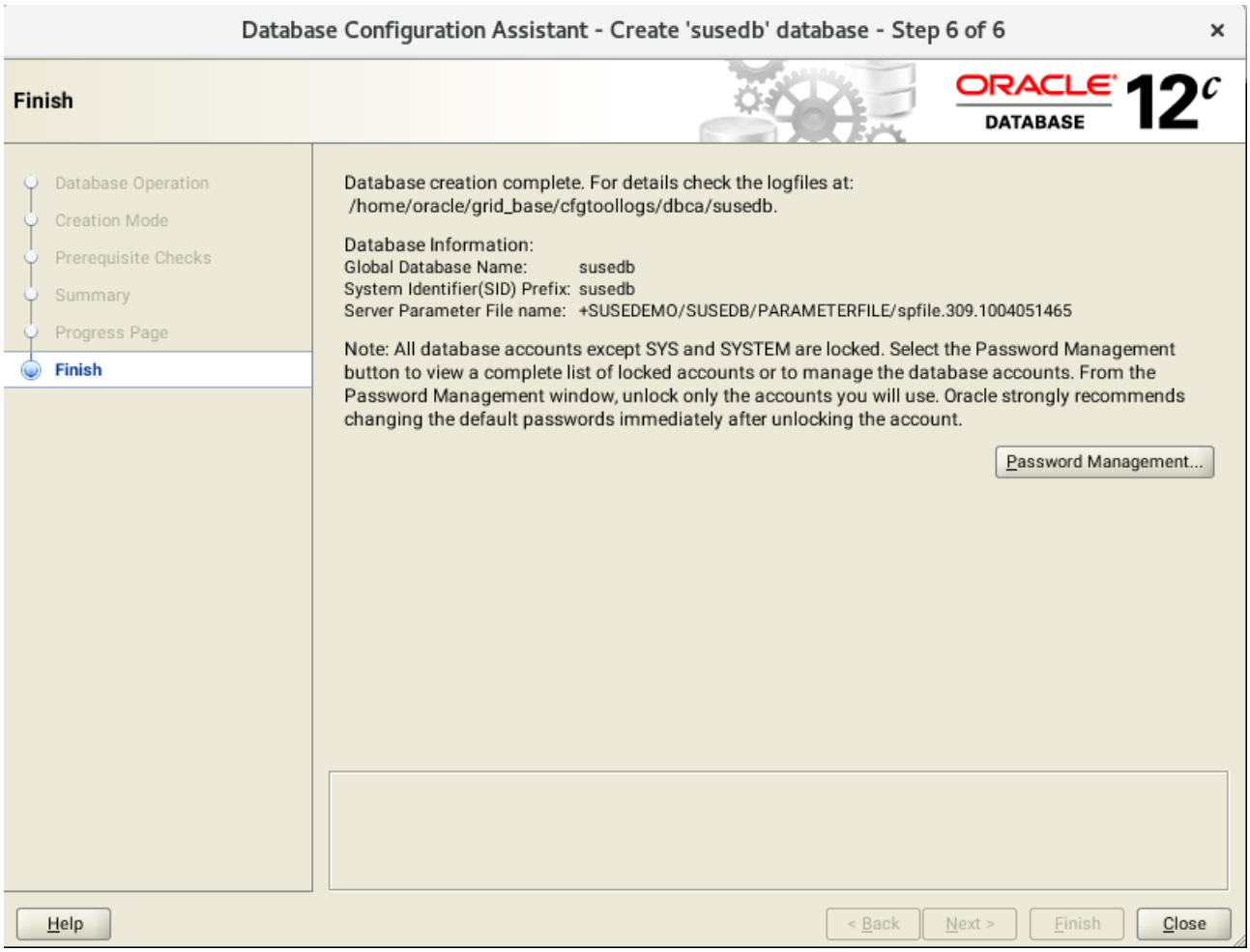
Database Configuration Summary as shown above, review the information, then click **Finish** to continue.

5). Progress Page.



Database creating progress as shown above, waiting until the creation is complete.

6). Finish.



Database creation complete, some details as shown above. Click **Close** to dismiss the screen.

1-4. Post-Install Checks.

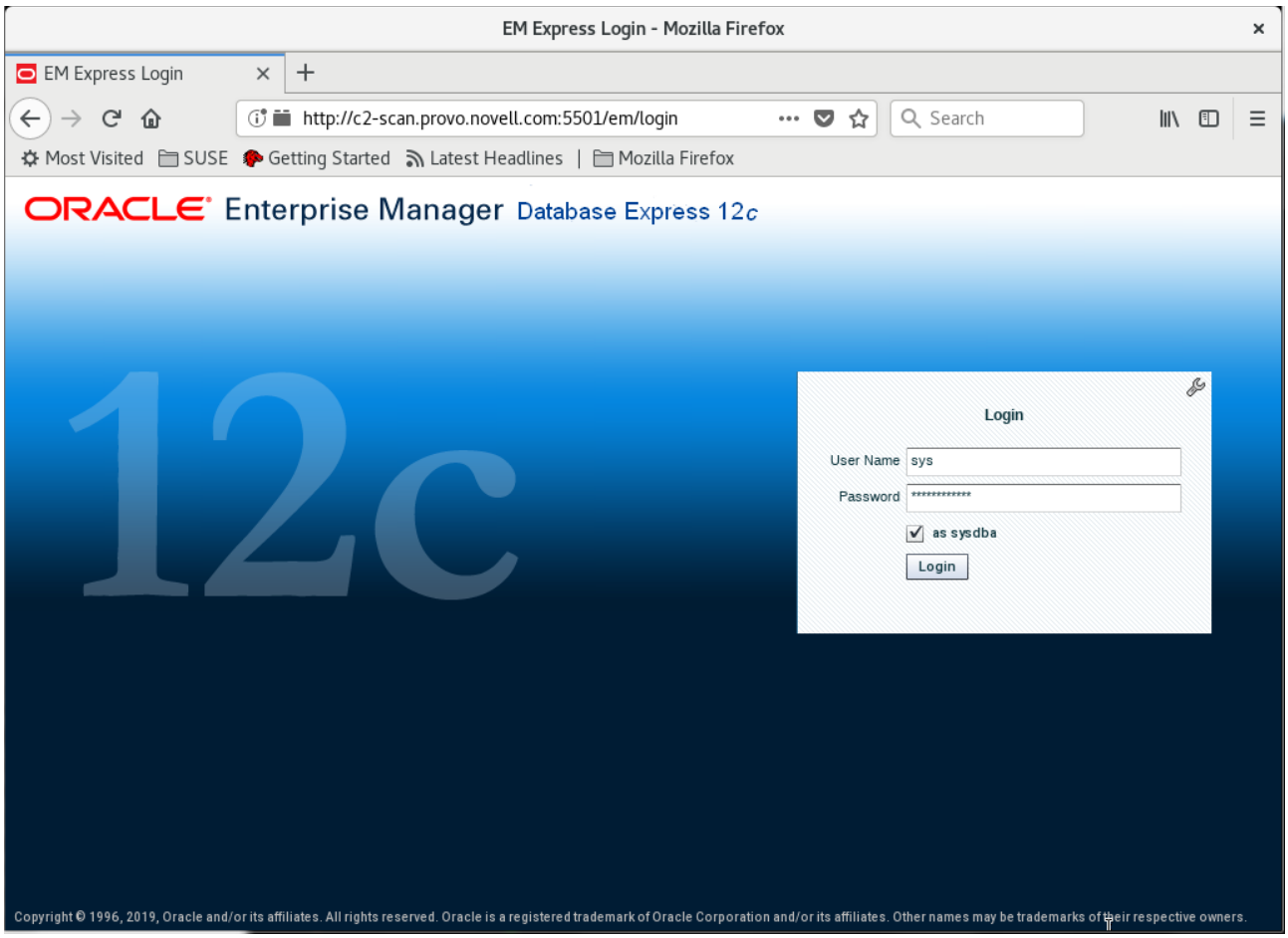
1). Verify database status and configuration.

```
oracle@c2n1:~> export ORACLE_HOME=/home/oracle/db
oracle@c2n1:~> /home/oracle/db/bin/srvctl status database -d susedb
Instance susedb1 is running on node c2n1
Instance susedb2 is running on node c2n2
Instance susedb3 is running on node c2n4
Instance susedb4 is running on node c2n3

oracle@c2n1:~> /home/oracle/db/bin/srvctl status database -d susedb -a
Instance susedb1 is running on node c2n1
Instance susedb1 is connected to ASM instance +ASM1
Instance susedb2 is running on node c2n2
Instance susedb2 is connected to ASM instance +ASM2
Instance susedb3 is running on node c2n4
Instance susedb3 is connected to ASM instance +ASM2
Instance susedb4 is running on node c2n3
Instance susedb4 is connected to ASM instance +ASM4

oracle@c2n1:~> /home/oracle/db/bin/srvctl config database -d susedb -a
Database unique name: susedb
Database name: susedb
Oracle home: /home/oracle/db
Oracle user: oracle
Spfile: +SUSEDEMO/SUSEDB/PARAMETERFILE/spfile.309.1004051465
Password file: +SUSEDEMO/SUSEDB/PASSWORD/pwdsusedb.282.1004050937
Domain:
Start options: open
Stop options: immediate
Database role: PRIMARY
Management policy: AUTOMATIC
Server pools:
Disk Groups: SUSEDEMO
Mount point paths:
Services:
Type: RAC
Start concurrency:
Stop concurrency:
Database is enabled
Database is individually enabled on nodes:
Database is individually disabled on nodes:
OSDBA group: dba
OSOPER group:
Database instances: susedb1,susedb2,susedb3,susedb4
Configured nodes: c2n1,c2n2,c2n4,c2n3
CSS critical: no
CPU count: 0
Memory target: 0
Maximum memory: 0
Default network number for database services:
Database is administrator managed
```

```
oracle@c2n1:~> /home/oracle/grid/bin/crsctl stat res -t
--------------------------------------------------------------------------------
Name           Target  State        Server                   State details
--------------------------------------------------------------------------------
Local Resources
--------------------------------------------------------------------------------
ora.ASMNET1LSNR_ASM.lsnr
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
ora.LISTENER.lsnr
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
ora.SUSEDEMO.dg
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               OFFLINE OFFLINE      c2n4                     STABLE
ora.chad
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
ora.net1.network
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
ora.ons
               ONLINE  ONLINE       c2n1                     STABLE
               ONLINE  ONLINE       c2n2                     STABLE
               ONLINE  ONLINE       c2n3                     STABLE
               ONLINE  ONLINE       c2n4                     STABLE
--------------------------------------------------------------------------------
Cluster Resources
--------------------------------------------------------------------------------
ora.LISTENER_SCAN1.lsnr
      1        ONLINE  ONLINE       c2n2                     STABLE
ora.LISTENER_SCAN2.lsnr
      1        ONLINE  ONLINE       c2n3                     STABLE
ora.LISTENER_SCAN3.lsnr
      1        ONLINE  ONLINE       c2n4                     STABLE
ora.MGMTLSNR
      1        ONLINE  ONLINE       c2n1                     169.254.207.176 10.1
                                                               .1.1,STABLE
ora.asm
      1        ONLINE  ONLINE       c2n1                     Started,STABLE
      2        ONLINE  ONLINE       c2n2                     Started,STABLE
      3        ONLINE  ONLINE       c2n3                     Started,STABLE
ora.c2n1.vip
      1        ONLINE  ONLINE       c2n1                     STABLE
ora.c2n2.vip
```

```
     1        ONLINE  ONLINE       c2n2                STABLE
ora.c2n3.vip
     1        ONLINE  ONLINE       c2n3                STABLE
ora.c2n4.vip
     1        ONLINE  ONLINE       c2n4                STABLE
ora.cvu
     1        ONLINE  ONLINE       c2n1                STABLE
ora.mgmtdb
     1        ONLINE  ONLINE       c2n1                Open,STABLE
ora.qosmserver
     1        ONLINE  ONLINE       c2n1                STABLE
ora.scan1.vip
     1        ONLINE  ONLINE       c2n2                STABLE
ora.scan2.vip
     1        ONLINE  ONLINE       c2n3                STABLE
ora.scan3.vip
     1        ONLINE  ONLINE       c2n4                STABLE
ora.susedb.db
     1        ONLINE  ONLINE       c2n1                Open,HOME=/home/orac
                                                       le/db,STABLE
     2        ONLINE  ONLINE       c2n2                Open,HOME=/home/orac
                                                       le/db,STABLE
     3        ONLINE  ONLINE       c2n4                Open,HOME=/home/orac
                                                       le/db,STABLE
     4        ONLINE  ONLINE       c2n3                Open,HOME=/home/orac
                                                       le/db,STABLE
--------------------------------------------------------------------------------
```

2). Verify Oracle Enterprise Manager.


EM Express Login - Mozilla Firefox
EM Express Login
http://c2-scan.provo.novell.com:5501/em/login
Search
Most Visited
SUSE
Getting Started
Latest Headlines
Mozilla Firefox
ORACLE Enterprise Manager Database Express 12c
12c
Login
User Name
sys
Password
as sysdba
Login
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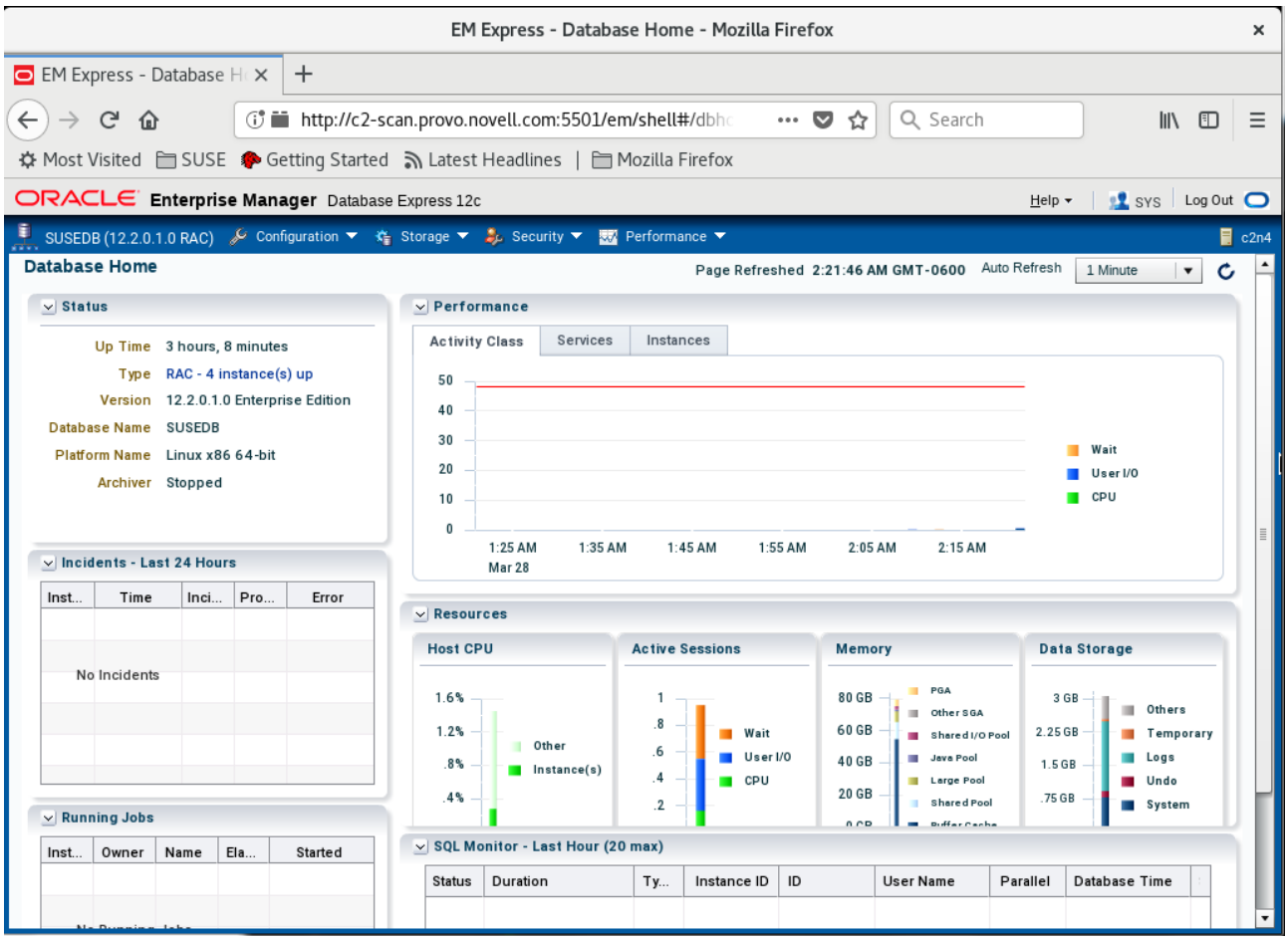
EM Express - Database Home - Mozilla Firefox
EM Express - Database H
http://c2-scan.provo.novell.com:5501/em/shell#/dbh
Search
Most Visited
SUSE
Getting Started
Latest Headlines
Mozilla Firefox
ORACLE Enterprise Manager Database Express 12c
Help
SYS
Log Out
SUSEDB (12.2.0.1.0 RAC)
Configuration
Storage
Security
Performance
c2n4
Database Home
Page Refreshed 2:21:46 AM GMT-0600
Auto Refresh
1 Minute
Status
Up Time 3 hours, 8 minutes
Type RAC - 4 instance(s) up
Version 12.2.0.1.0 Enterprise Edition
Database Name SUSEDB
Platform Name Linux x86 64-bit
Archiver Stopped
Performance
Activity Class
Services
Instances
50
40
30
20
10
0
1:25 AM
Mar 28
1:35 AM
1:45 AM
1:55 AM
2:05 AM
2:15 AM
Wait
User I/O
CPU
Incidents - Last 24 Hours
Inst...
Time
Inci...
Pro...
Error
No Incidents
Resources
Host CPU
1.6%
1.2%
.8%
.4%
Other
Instance(s)
Active Sessions
1
.8
.6
.4
.2
Wait
User I/O
CPU
Memory
80 GB
60 GB
40 GB
20 GB
PGA
Other SGA
Shared I/O Pool
Java Pool
Large Pool
Shared Pool
Data Storage
3 GB
2.25 GB
1.5 GB
.75 GB
Others
Temporary
Logs
Undo
System
Running Jobs
Inst...
Owner
Name
Ela...
Started
SQL Monitor - Last Hour (20 max)
Status
Duration
Ty...
Instance ID
ID
User Name
Parallel
Database Time

Additional Comments

This document provides some temporary solutions and brief instructions for Oracle Database 12cR2 on SLES 15 GA.

- *Add "CV_ASSUME_DISTID=SUSE12" parameter in database/stage/cvu/cv/admin/cvu_config & grid/cv/admin/cvu_config*
- *Apply the Oracle RU of Oct 2018(p28507711_122010_Linux-x86-64.zip)*
- *CVU Pre-installation Check Issue - "Verifying zeroconf check ...FAILED". Please ignore this error, a fix will be in the next distributed CVU.*
- *Oracle Prerequisite Checks Fixup Script is workaround for some CVU check failures.*
- *ACFS is not supported on this platform.*

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SuSE ISV Engineering Team
https://www.suse.com