

ORACLE 11gR2 Software installation:

ntpd service should be stopped Check it:

If ntpd service will not stop then CTSSD process will run in observer mode.

To stop ntpd service do following steps on all nodes (paw-racnode1,paw-racnode2):

```
[root@paw-racnode1~]# service ntpd stop
[root@paw-racnode1~]# chkconfig ntpd off
[root@paw-racnode1~]# mv /etc/ntp.conf /etc/ntp.conf.orgd
```

Now restart all the nodes (paw-racnode1, paw-racnode2)

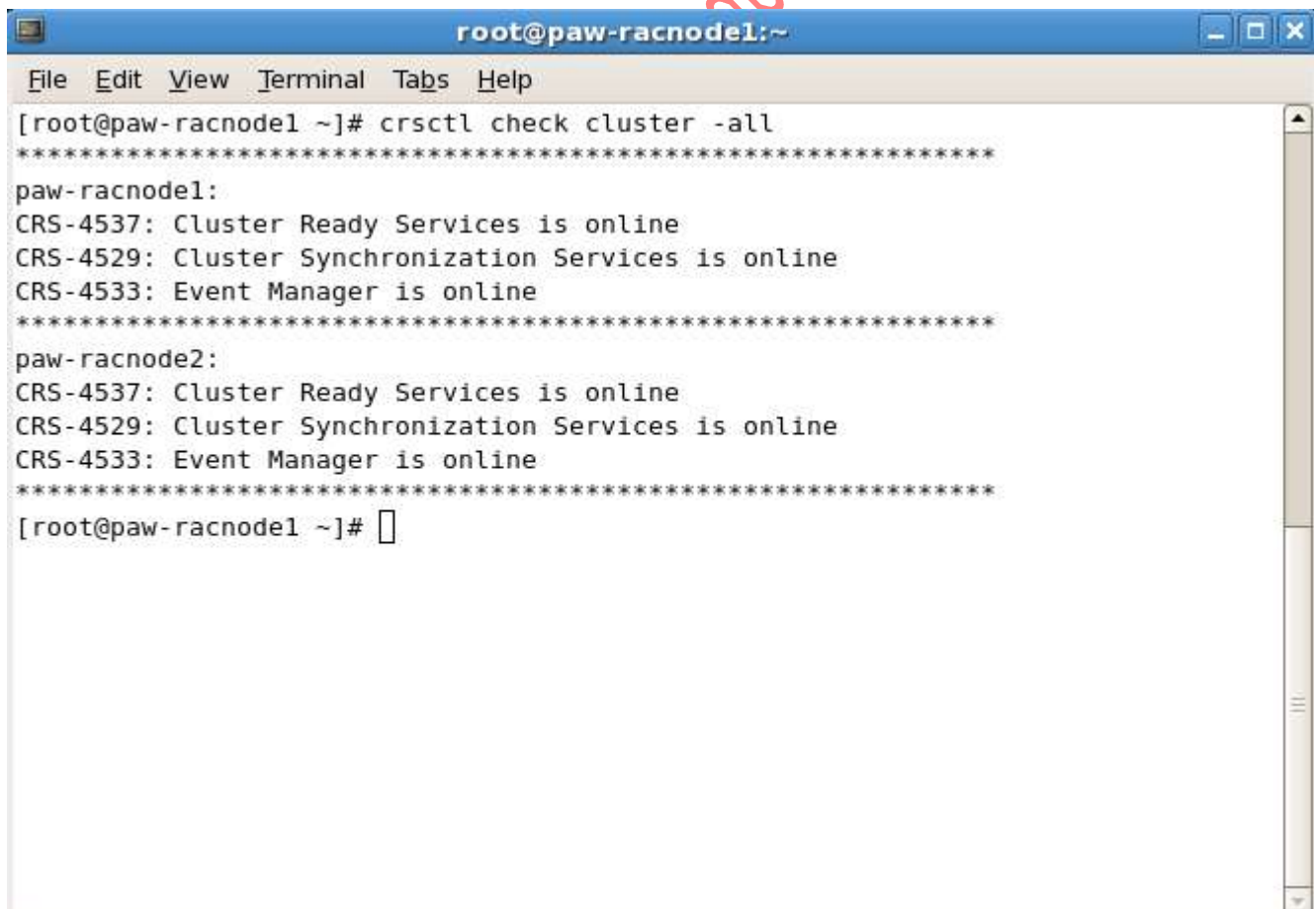
```
[root@paw-racnode1~]# init 6
```

```
[root@paw-racnode2~]# init 6
```

After Restart check:

```
[root@paw-racnode1 ~]# service ntpd status
ntpd is stopped
```

Now check whether cluster is running on all desired nodes (paw-racnode1, paw-racnode2), and CTSSD service should be in Active mode.



```
root@paw-racnode1:~
File Edit View Terminal Tabs Help
[root@paw-racnode1 ~]# crsctl check cluster -all
*****
paw-racnode1:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
*****
paw-racnode2:
CRS-4537: Cluster Ready Services is online
CRS-4529: Cluster Synchronization Services is online
CRS-4533: Event Manager is online
*****
[root@paw-racnode1 ~]#
```

```

root@paw-racnode1:~
File Edit View Terminal Tabs Help
[root@paw-racnode1 ~]# crsctl stat res -init -t
-----
NAME                TARGET  STATE        SERVER          STATE_DETAILS
-----
Cluster Resources
-----
ora.asm
  1                ONLINE  ONLINE       paw-racnode1    Started
ora.crsd
  1                ONLINE  ONLINE       paw-racnode1
ora.cssd
  1                ONLINE  ONLINE       paw-racnode1
ora.cssdmonitor
  1                ONLINE  ONLINE       paw-racnode1
ora.ctssd
  1                ONLINE  ONLINE       paw-racnode1    ACTIVE:0
ora.diskmon
  1                ONLINE  ONLINE       paw-racnode1
ora.drivers.acfs
  1                ONLINE  ONLINE       paw-racnode1
ora.evmd
  1                ONLINE  ONLINE       paw-racnode1
ora.gipcd
  1                ONLINE  ONLINE       paw-racnode1
ora.gpnpd
  1                ONLINE  ONLINE       paw-racnode1
ora.mdnssd
  1                ONLINE  ONLINE       paw-racnode1
[root@paw-racnode1 ~]#

```

Now logout from **root** user and login as **oracle** user:

Copy `linux.x64_11gR2_database_1of2.zip` and `linux.x64_11gR2_database_2of2.zip` on `paw-racnode1` in directory `/u02/software` and unzip it.

```
[oracle@paw-racnode1~]$ cd /u02/software
```

```
[oracle@paw-racnode1software]$ unzip linux.x64_11gR2_database_1of2.zip
```

```
[oracle@paw-racnode1software]$ unzip linux.x64_11gR2_database_2of2.zip
```

```
[oracle@paw-racnode1software]$ ll
```

```

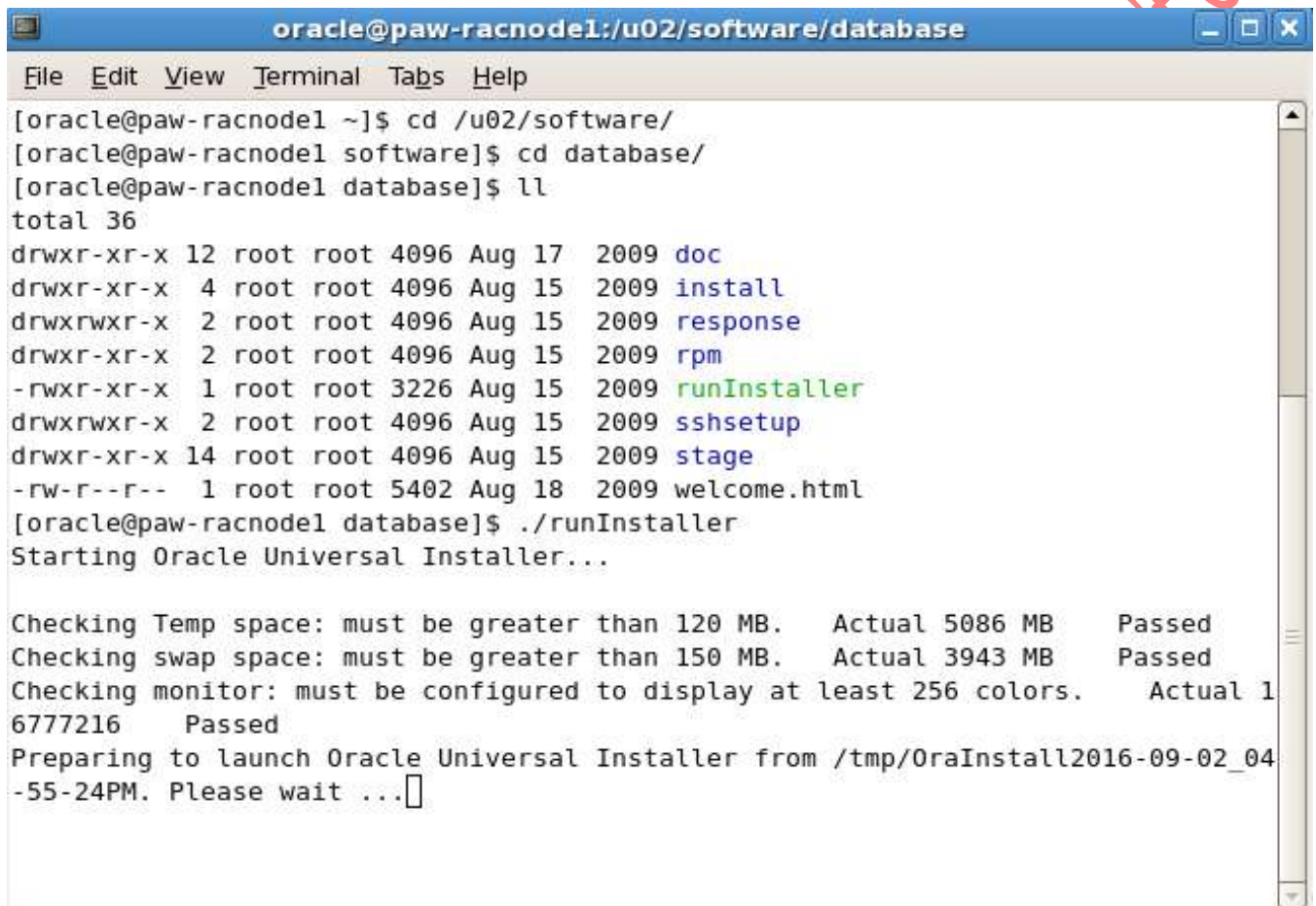
total 3327112
drwxr-xr-x 8 oracle oinstall          4096 Aug 21  2009 database
drwxr-xr-x 8 oracle oinstall          4096 Aug 21  2009 grid
-rwxrwxrwx 1 oracle oinstall 1239269270 Jan 24  2012
linux.x64_11gR2_database_1of2.zip
-rwxrwxrwx 1 oracle oinstall 1111416131 Jan 24  2012
linux.x64_11gR2_database_2of2.zip
-rwxrw-rw- 1 oracle oinstall 1052897657 Jan 24  2012 linux.x64_11gR2_grid.zip
drwxrwxr-x 2 oracle oinstall          16384 Nov 16 21:53 lost+found
drwxrwxrwx 2 oracle oinstall          4096 Nov  5 18:32 RPM

```

```
[oracle@paw-racnode1software]$ cd database/
```

```
[oracle@paw-racnode1database]$ ll
total 36
drwxr-xr-x 12 oracle oinstall 4096 Aug 17 2009 doc
drwxr-xr-x  4 oracle oinstall 4096 Aug 15 2009 install
drwxrwxr-x  2 oracle oinstall 4096 Aug 15 2009 response
drwxr-xr-x  2 oracle oinstall 4096 Aug 15 2009 rpm
-rwxr-xr-x  1 oracle oinstall 3226 Aug 15 2009 runInstaller
drwxrwxr-x  2 oracle oinstall 4096 Aug 15 2009 sshsetup
drwxr-xr-x 14 oracle oinstall 4096 Aug 15 2009 stage
-rw-r--r--  1 oracle oinstall 5402 Aug 18 2009 welcome.html
```

```
[oracle@paw-racnode1database]$ ./runInstaller
```



```
oracle@paw-racnode1:/u02/software/database
File Edit View Terminal Tabs Help
[oracle@paw-racnode1 ~]$ cd /u02/software/
[oracle@paw-racnode1 software]$ cd database/
[oracle@paw-racnode1 database]$ ll
total 36
drwxr-xr-x 12 root root 4096 Aug 17 2009 doc
drwxr-xr-x  4 root root 4096 Aug 15 2009 install
drwxrwxr-x  2 root root 4096 Aug 15 2009 response
drwxr-xr-x  2 root root 4096 Aug 15 2009 rpm
-rwxr-xr-x  1 root root 3226 Aug 15 2009 runInstaller
drwxrwxr-x  2 root root 4096 Aug 15 2009 sshsetup
drwxr-xr-x 14 root root 4096 Aug 15 2009 stage
-rw-r--r--  1 root root 5402 Aug 18 2009 welcome.html
[oracle@paw-racnode1 database]$ ./runInstaller
Starting Oracle Universal Installer...

Checking Temp space: must be greater than 120 MB.   Actual 5086 MB       Passed
Checking swap space: must be greater than 150 MB.   Actual 3943 MB       Passed
Checking monitor: must be configured to display at least 256 colors.      Actual 1
6777216       Passed
Preparing to launch Oracle Universal Installer from /tmp/OraInstall2016-09-02_04
-55-24PM. Please wait ...
```

Wait for some time.....

```
oracle@paw-racnode1:/u02/software/database
File Edit View Terminal Tabs Help
[oracle@paw-racnode1 ~]$ cd /u02/software/
[oracle@paw-racnode1 software]$ cd database/
[oracle@paw-racnode1 database]$ ll
total 36
drwxr-xr-x 12 root root 4096 Aug 17 2009 doc
drwxr-xr-x  4 root root 40
drwxrwxr-x  2 root root 40
drwxr-xr-x  2 root root 40
-rwxr-xr-x  1 root root 32
drwxrwxr-x  2 root root 40
drwxr-xr-x 14 root root 40
-rw-r--r--  1 root root 54
[oracle@paw-racnode1 datab
Starting Oracle Universal

Checking Temp space: must
Checking swap space: must
Checking monitor: must be
6777216    Passed
Preparing to launch Oracle
-55-24PM. Please wait ... [ Loading setup driver
```



Oracle Database 11g Release 2 Installer - Installing database - Step 1 of 9

Configure Security Updates

- Configure Security Updates**
- Installation Option
- Grid Options
- Install Type
- Typical Installation
- Prerequisite Checks
- Summary
- Install Product
- Finish

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:

Oracle Database 11g Release 2 Installer - Installing database - Step 1 of 9

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My Oracle Support Password:

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

Oracle Database 11g Release 2 Installer - Installing database - Step 1 of 9

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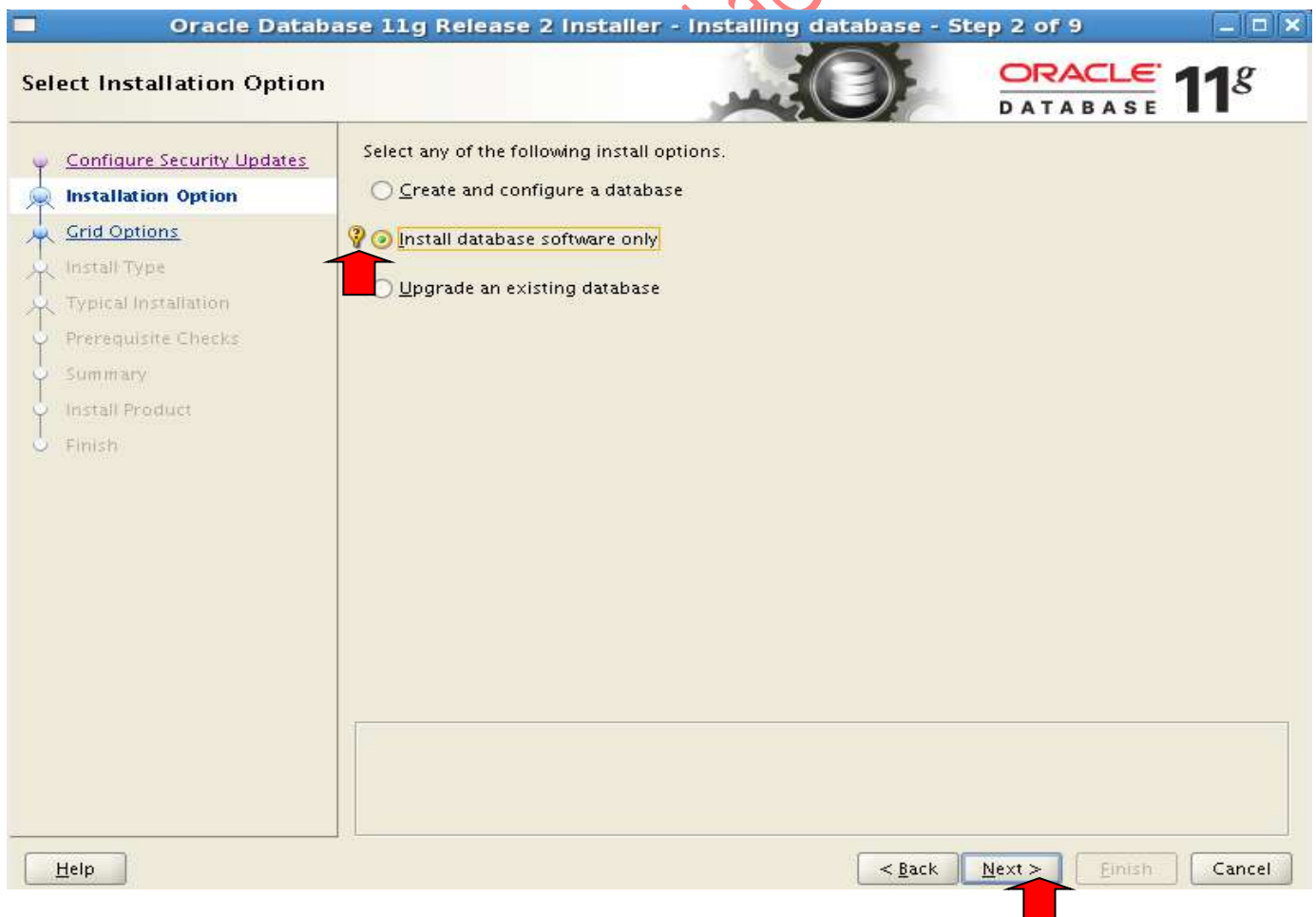
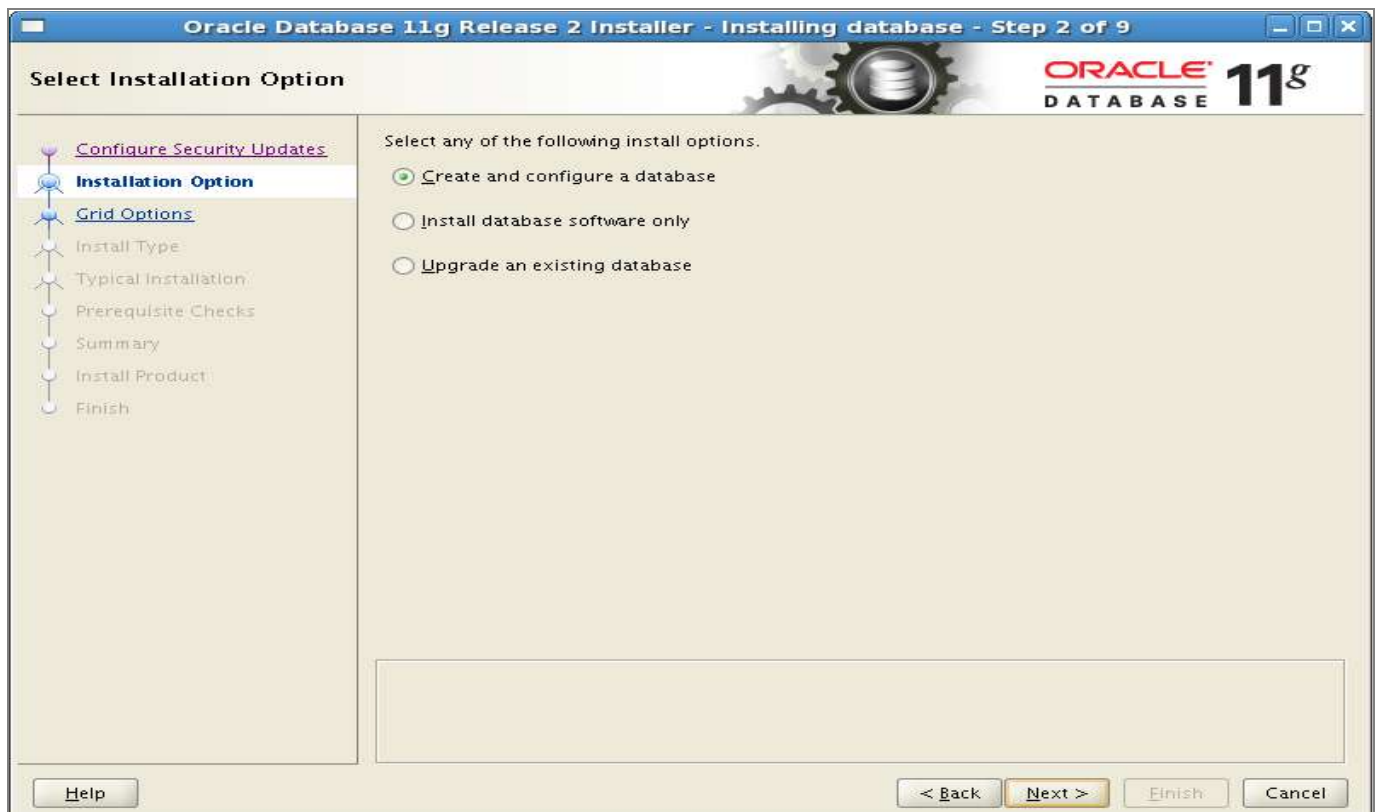
Email Address Not Specified

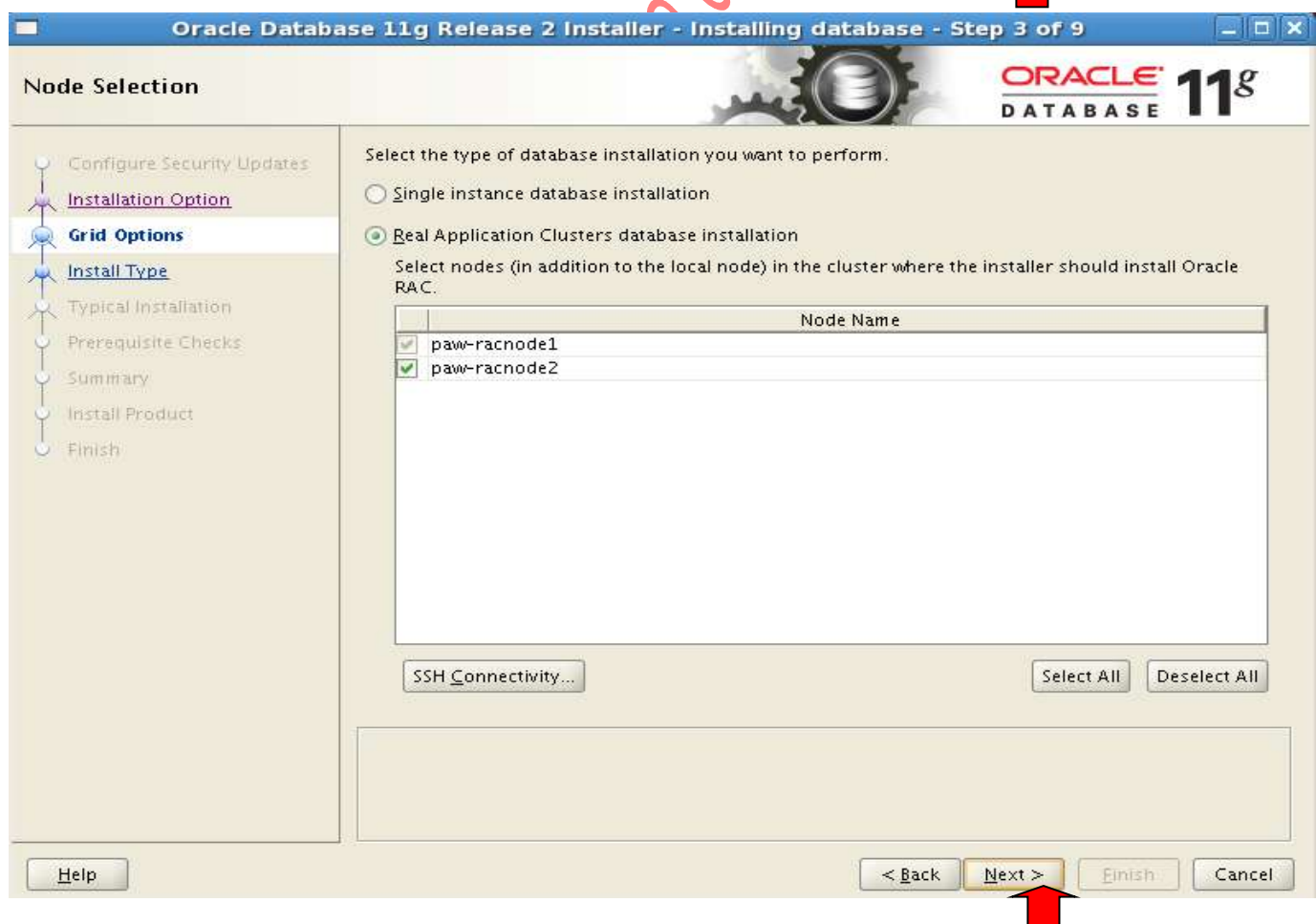
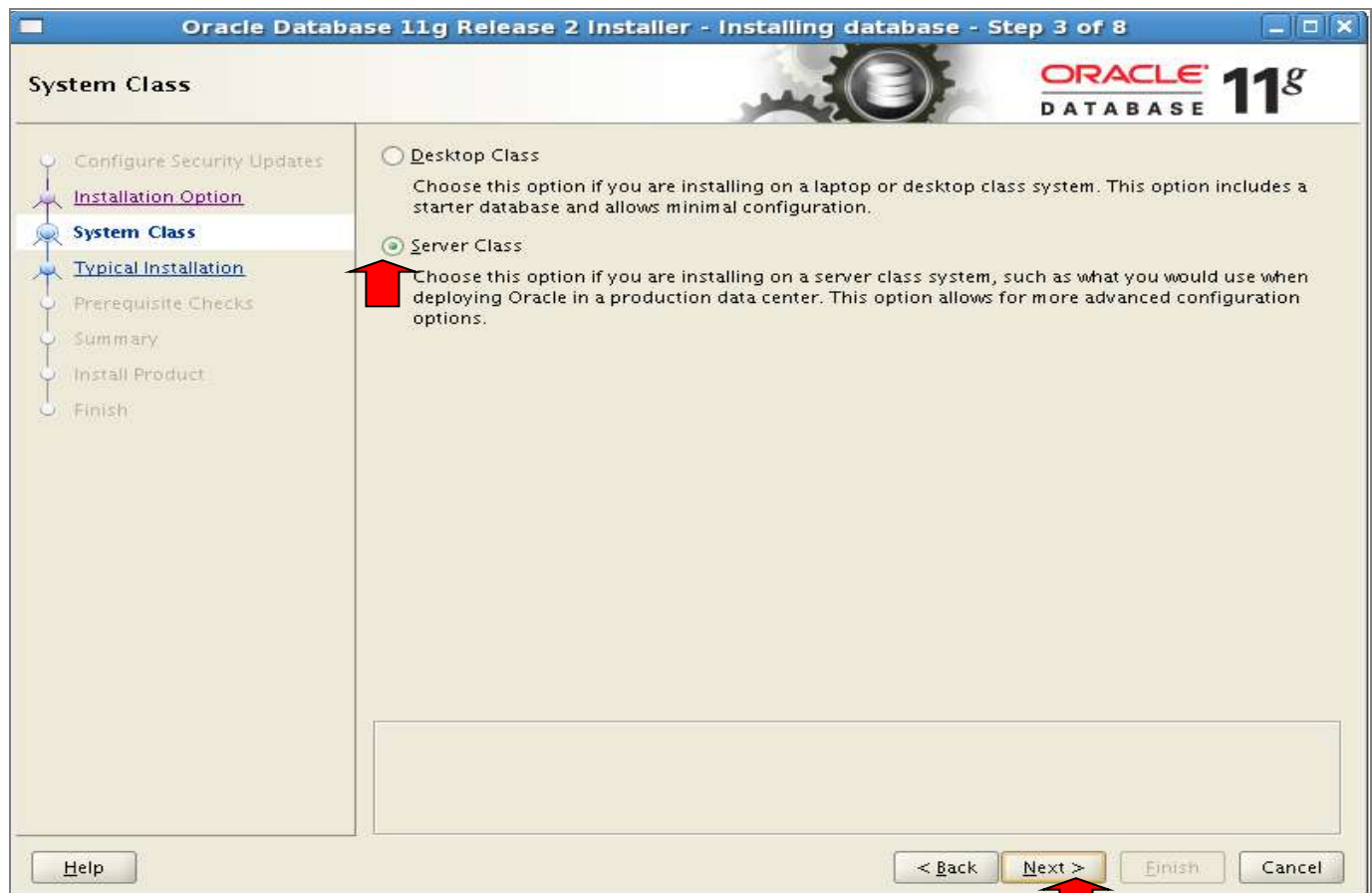
You have not provided an email address.

Do you wish to remain uninformed of critical security issues in your configuration?

[Yes](#) [No](#)

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





Oracle Database 11g Release 2 Installer - Installing database - Step 3 of 9

Node Selection

Select the type of database installation you want to perform.

☐ Single instance database installation

☒ Real Application Clusters database installation

Select nodes (in addition to the local node) in the cluster where the installer should install Oracle RAC.

	Node Name
☒	paw-racnode1
☒	paw-racnode2

SSH Connectivity...

OS Username: oracle OS Password: [masked]

☐ User home is shared by the selected nodes

☐ Reuse private and public keys existing in the user home

Test Setup

Help < Back Next > Finish Cancel

Oracle Database 11g Release 2 Installer - Installing database - Step 3 of 9

Node Selection

Select the type of database installation you want to perform.

☐ Single instance database installation

☒ Real Application Clusters database installation

Select nodes (in addition to the local node) in the cluster where the installer should install Oracle RAC.

	Node Name
☒	paw-racnode1
☒	paw-racnode2

Establishing SSH connectivity between the selected nodes. This may take several minutes. Please wait...

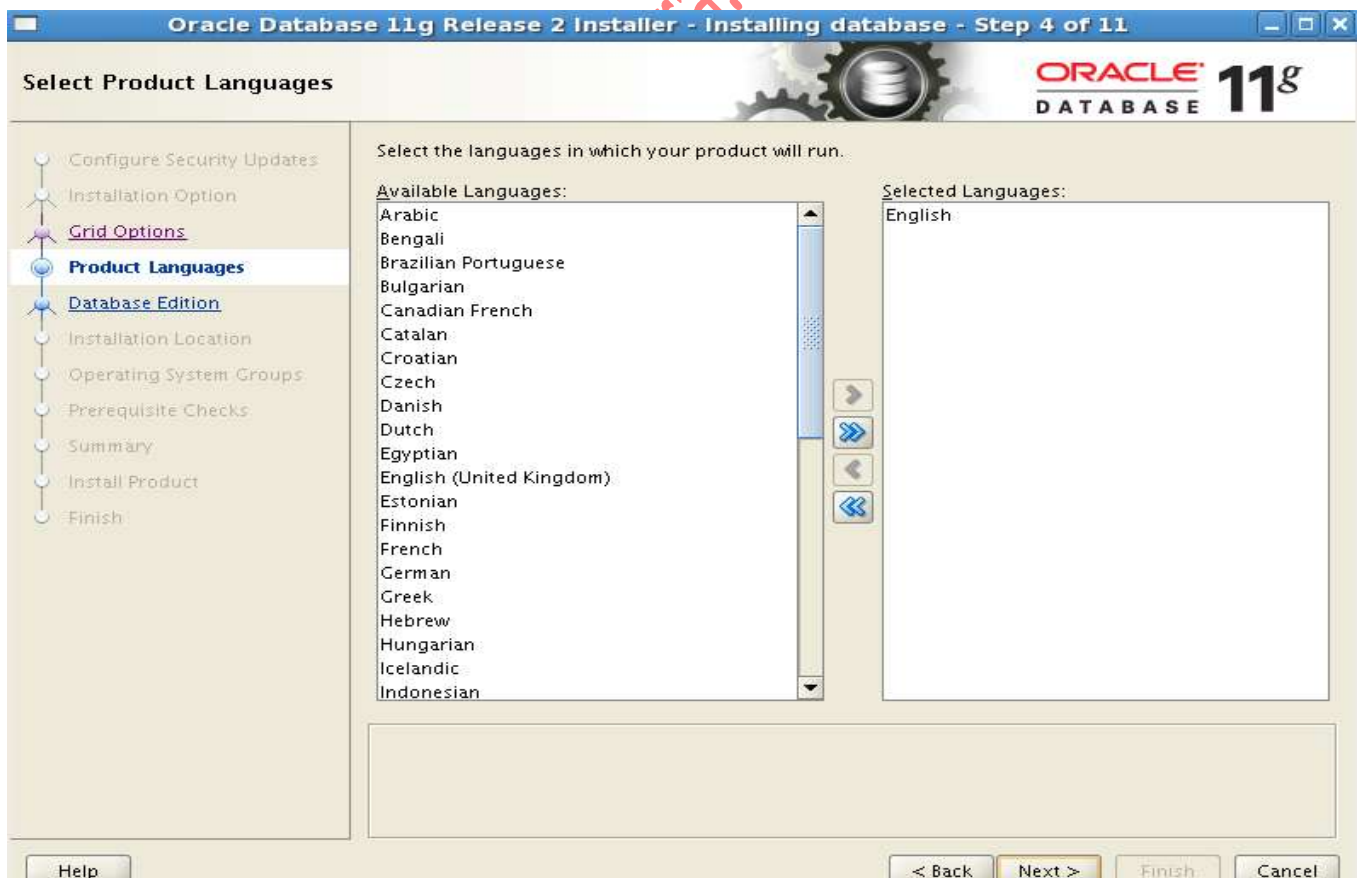
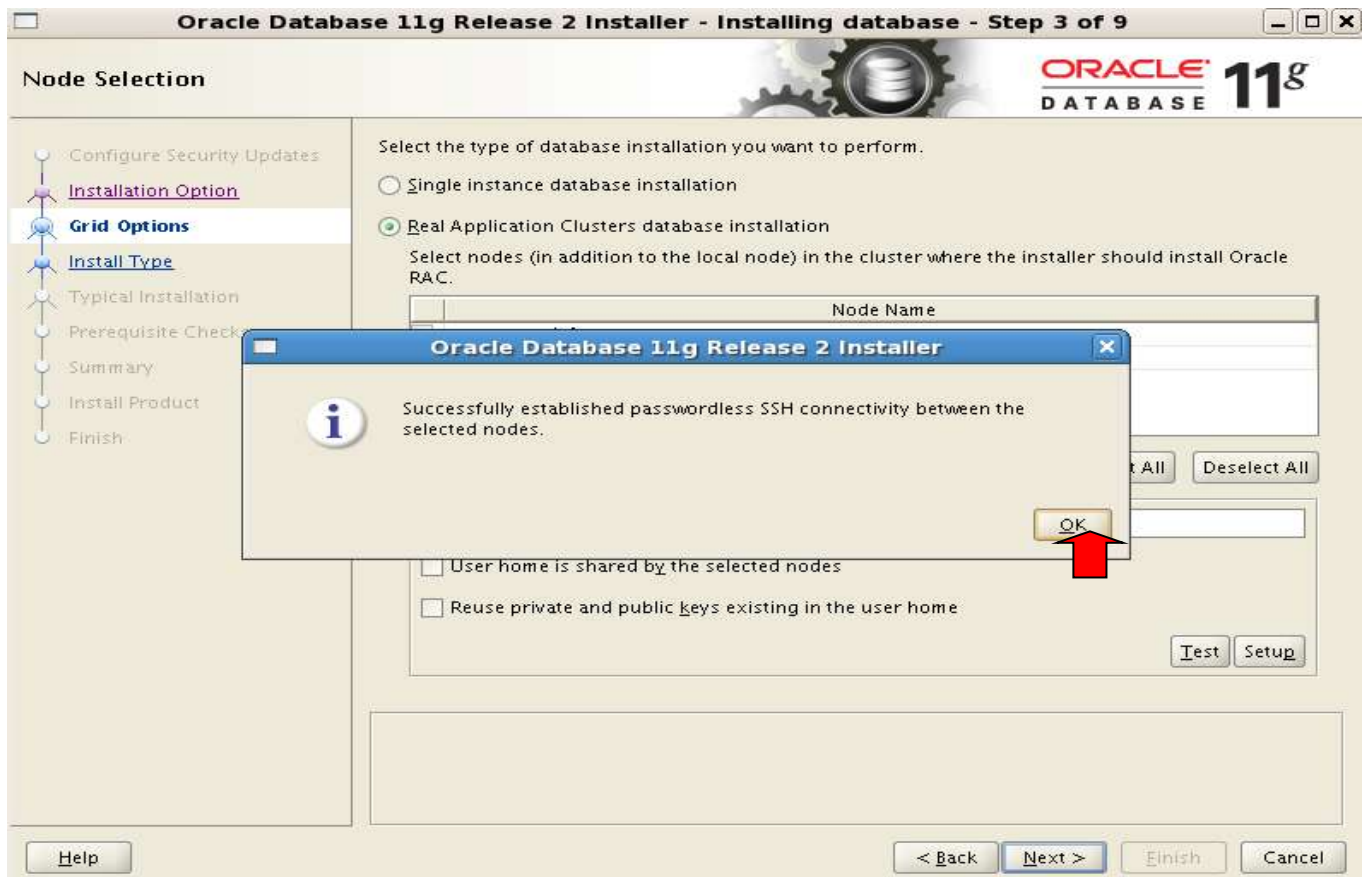
OS Username: oracle OS Password: [masked]

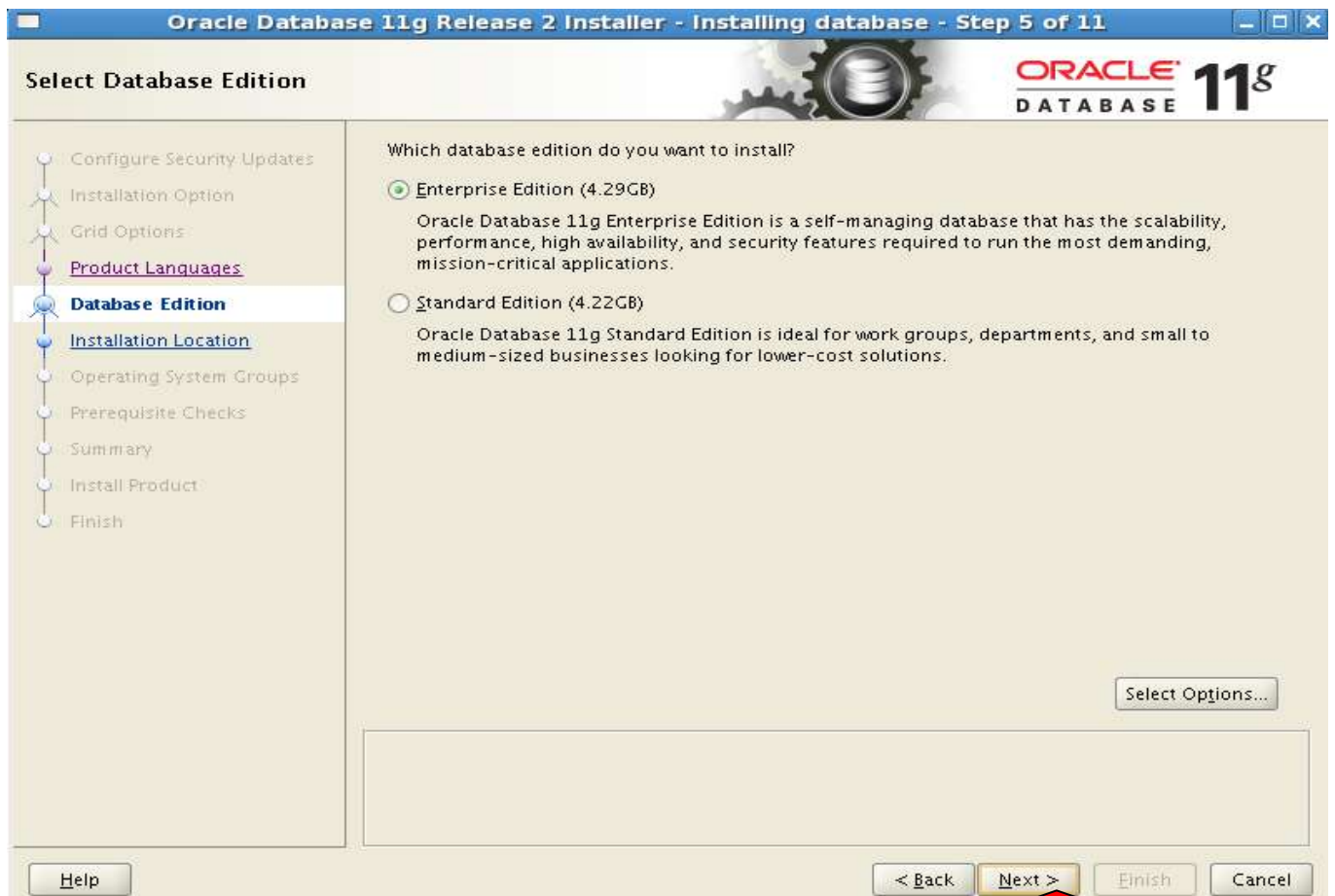
☐ User home is shared by the selected nodes

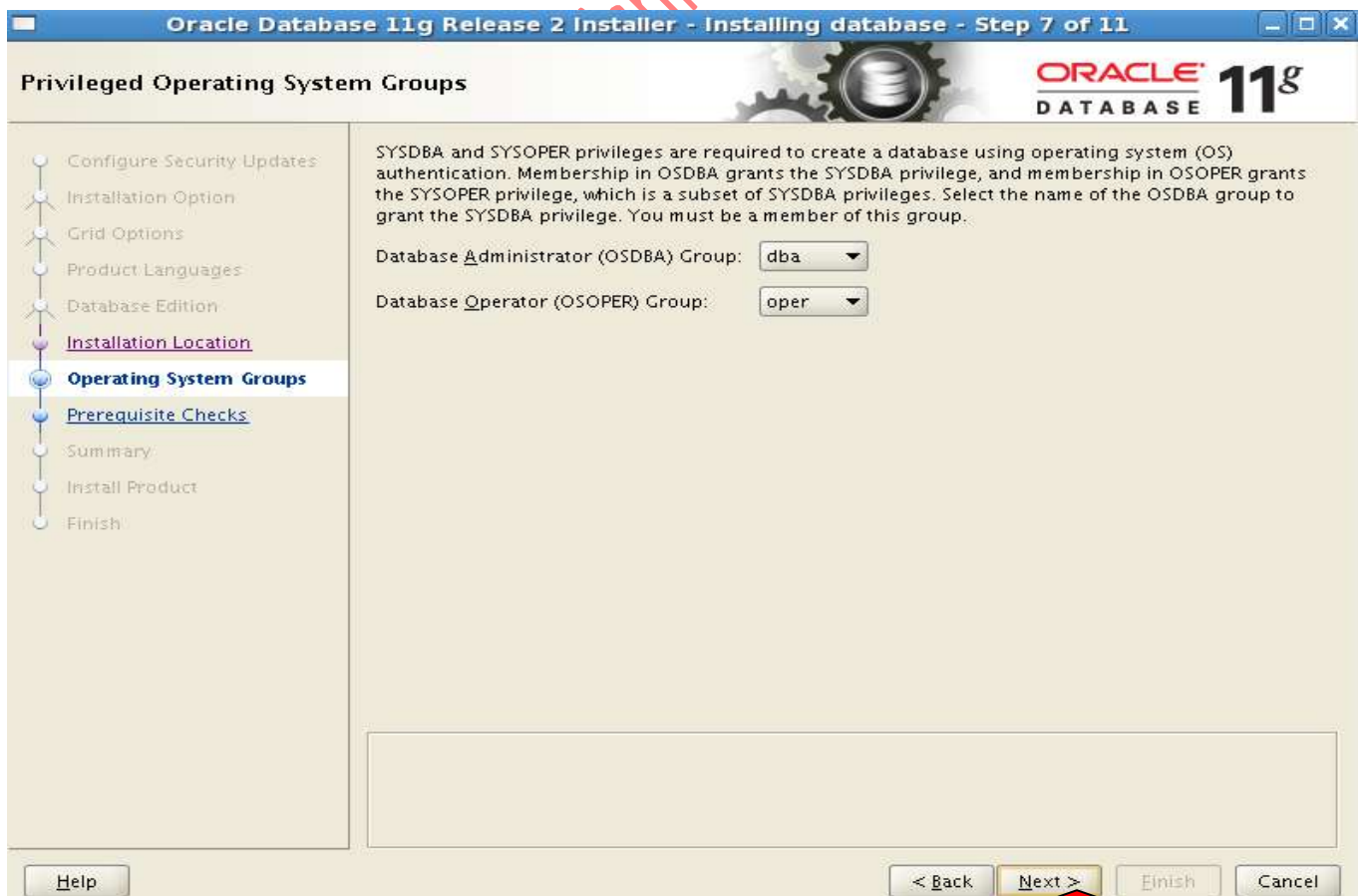
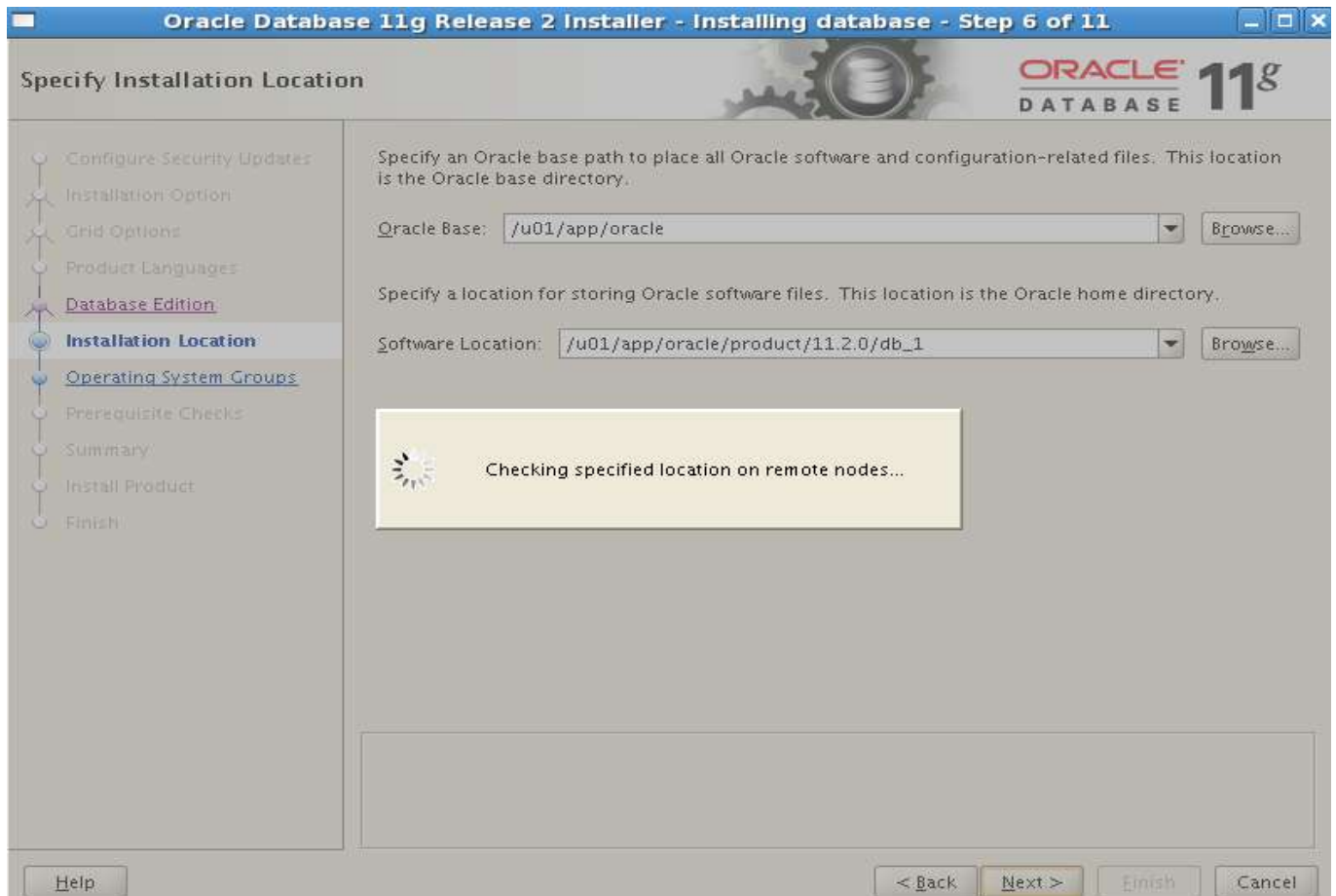
☐ Reuse private and public keys existing in the user home

Test Setup

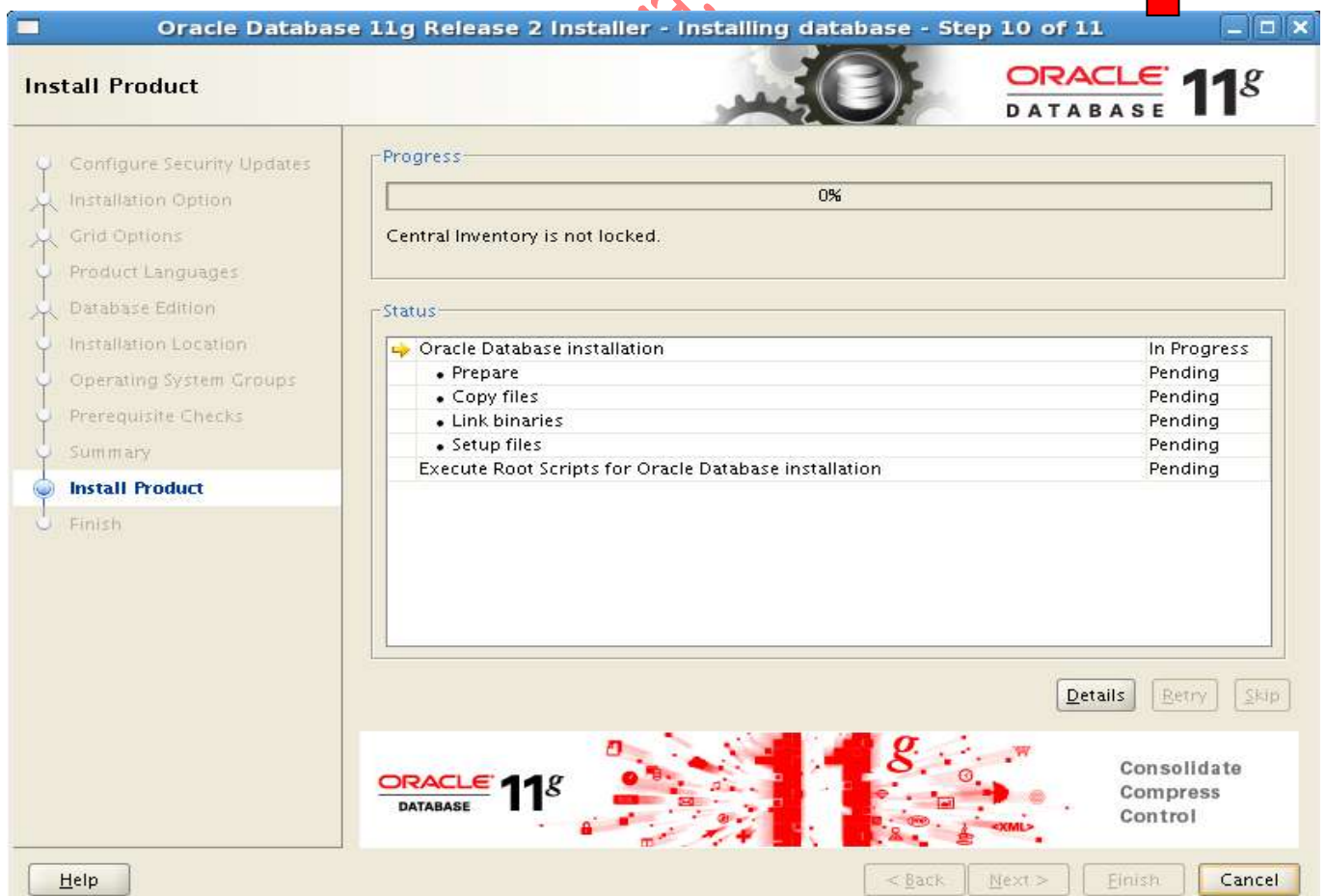
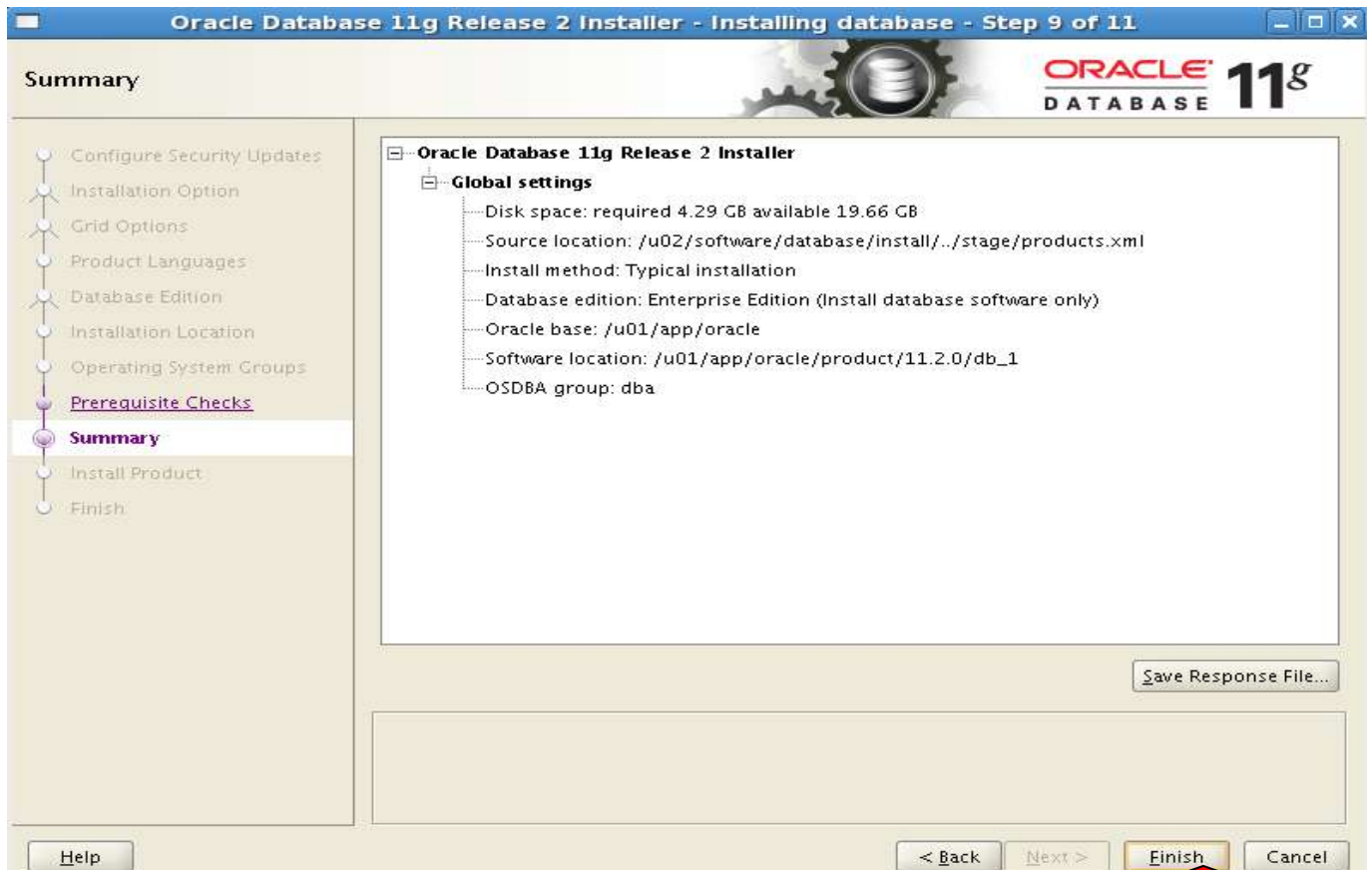
Help < Back Next > Finish Cancel

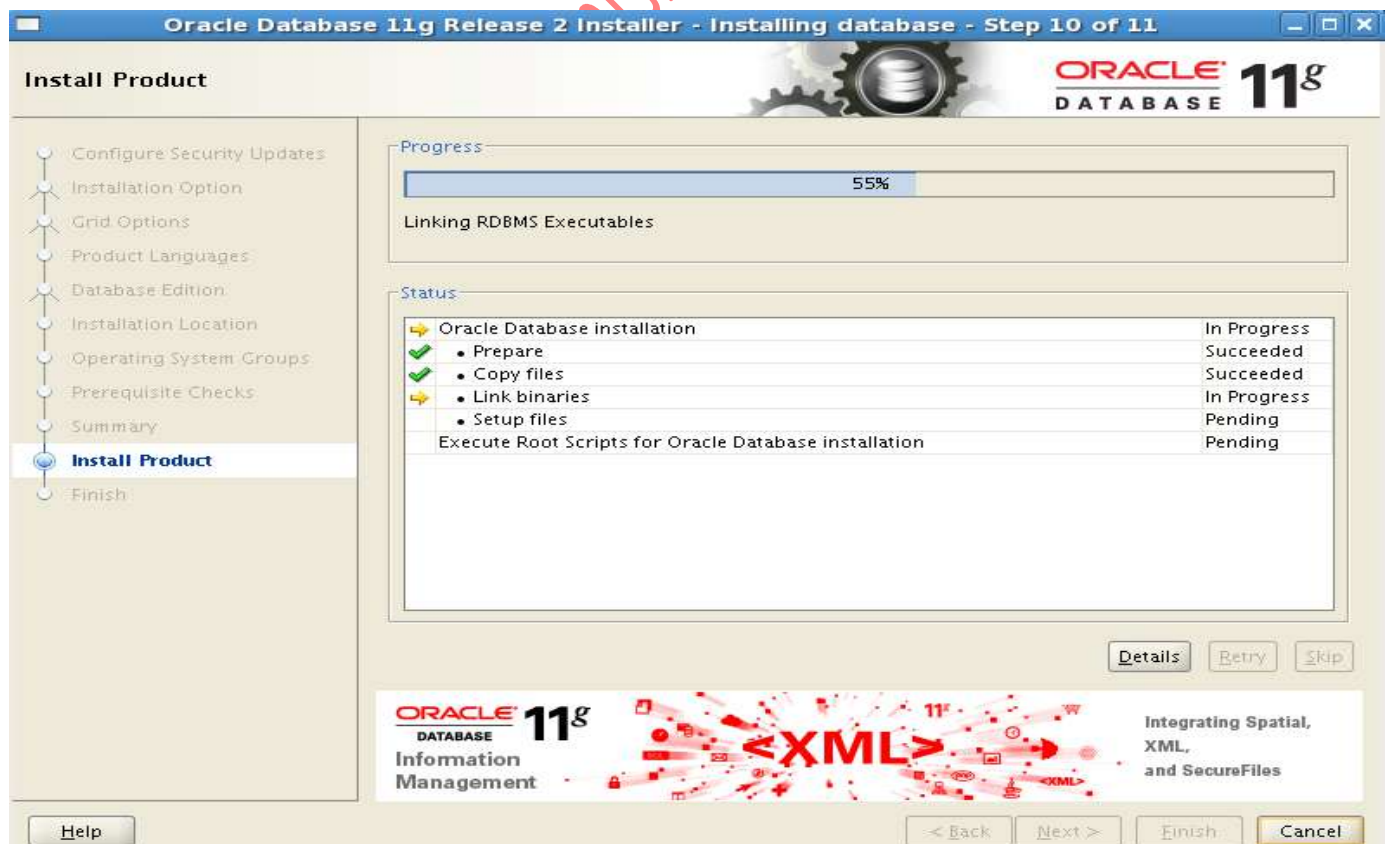
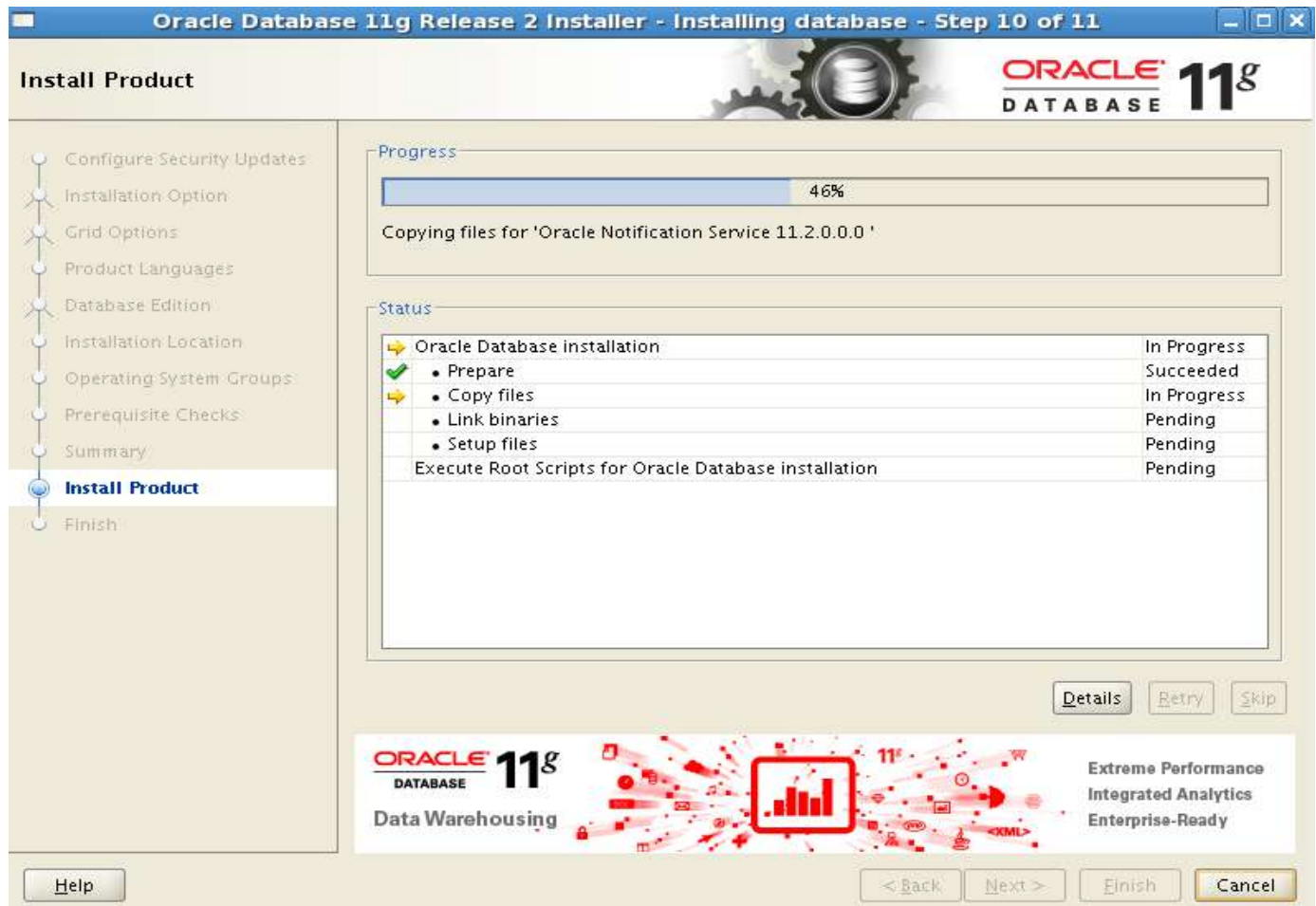


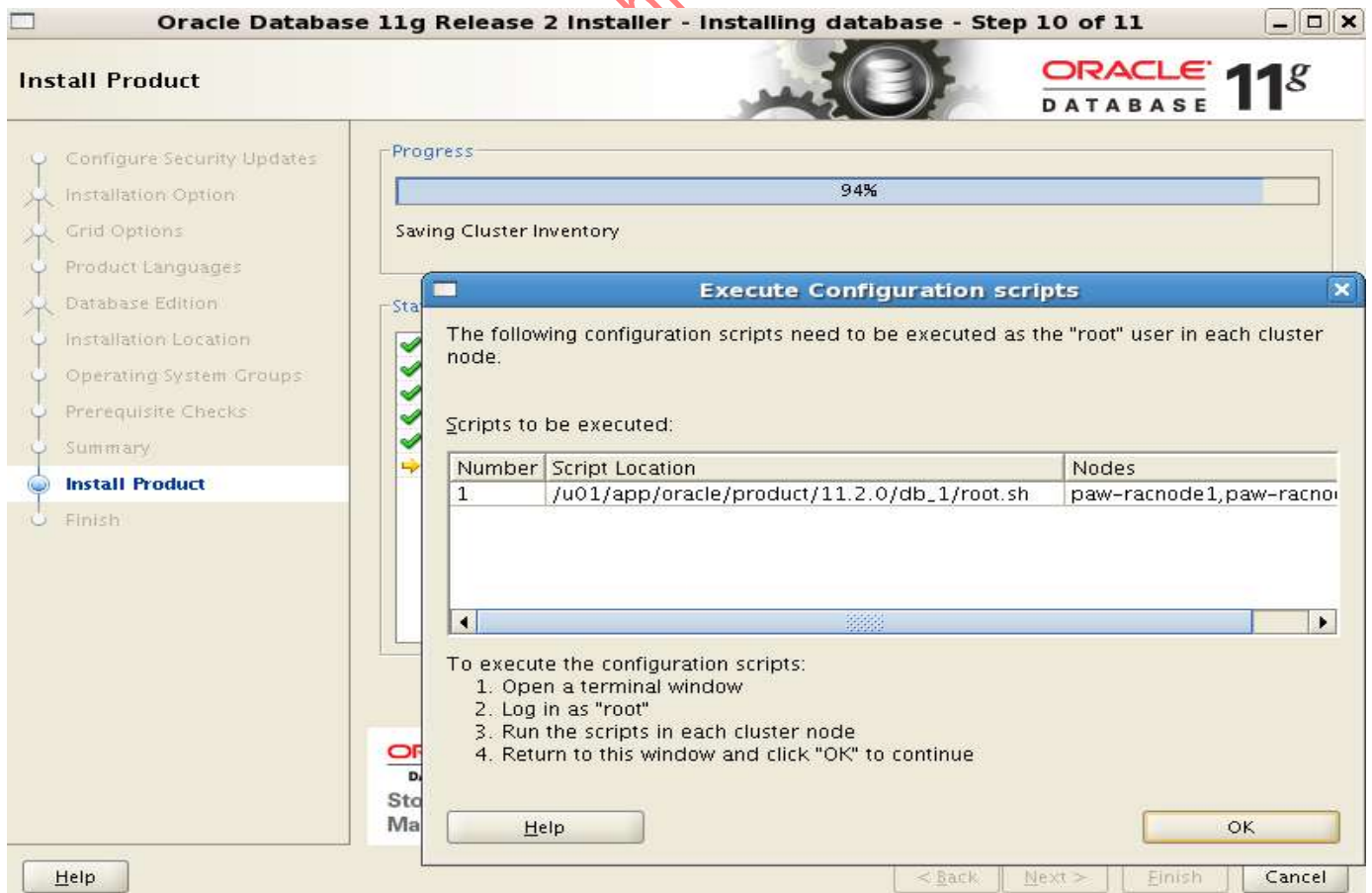
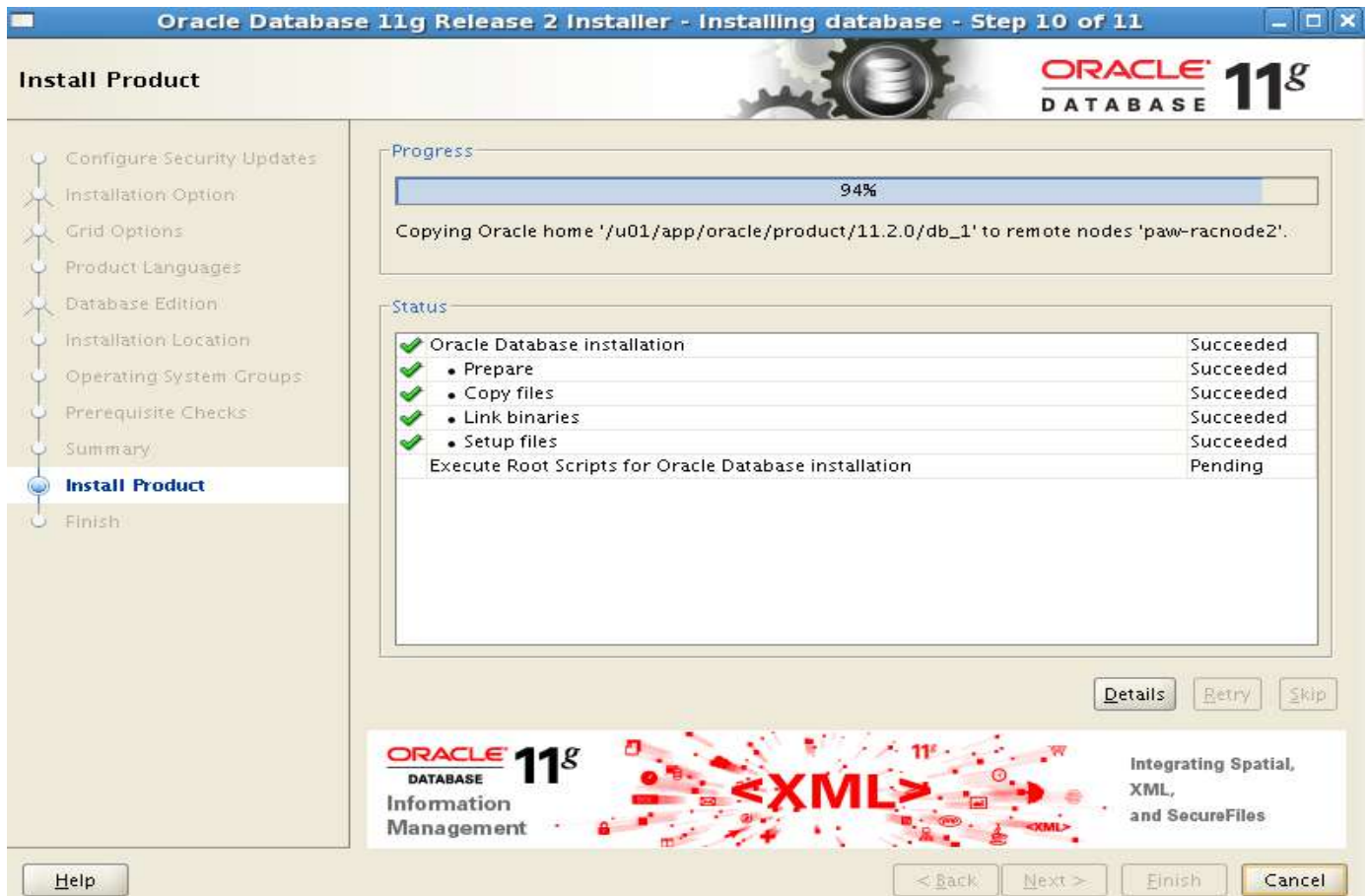












Wait.....

Open a New Terminal and login as Root User.

```
[oracle@paw-racnode1 database]$ su -
```

```
Password:
```

```
[root@paw-racnode1 ~]# /u01/app/oracle/product/11.2.0/db_1/root.sh
```

```
Running Oracle 11g root.sh script...
```

```
The following environment variables are set as:
```

```
ORACLE_OWNER= oracle
```

```
ORACLE_HOME= /u01/app/oracle/product/11.2.0/db_1
```

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

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

```
[n]:
```

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

```
[n]:
```

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

```
[n]:
```

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

```
Database Configuration Assistant when a database is created
```

```
Finished running generic part of root.sh script.
```

```
Now product-specific root actions will be performed.
```

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

```
-----
```

```
[oracle@paw-racnode2 ~]$ su -
```

```
Password:
```

```
[root@paw-racnode2 ~]# /u01/app/oracle/product/11.2.0/db_1/root.sh
```

```
Running Oracle 11g root.sh script...
```

```
The following environment variables are set as:
```

```
ORACLE_OWNER= oracle
```

```
ORACLE_HOME= /u01/app/oracle/product/11.2.0/db_1
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```
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```

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

```
[n]:
```

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

```
[n]:
```

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

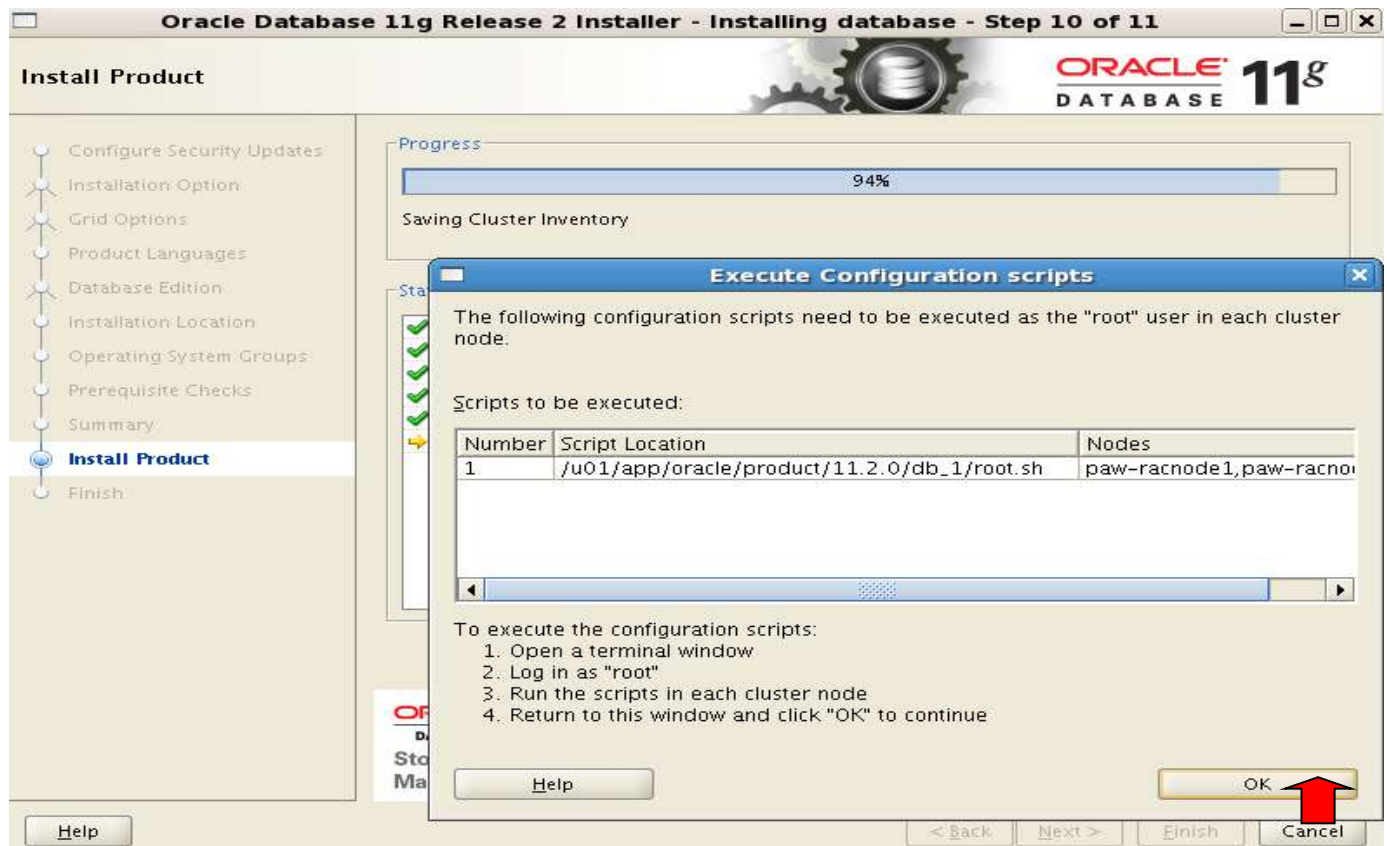
```
Database Configuration Assistant when a database is created
```

```
Finished running generic part of root.sh script.
```

```
Now product-specific root actions will be performed.
```

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

```
[root@paw-racnode2 ~]#
```



Now Oracle 11g R2 Software Installation is Complete.