

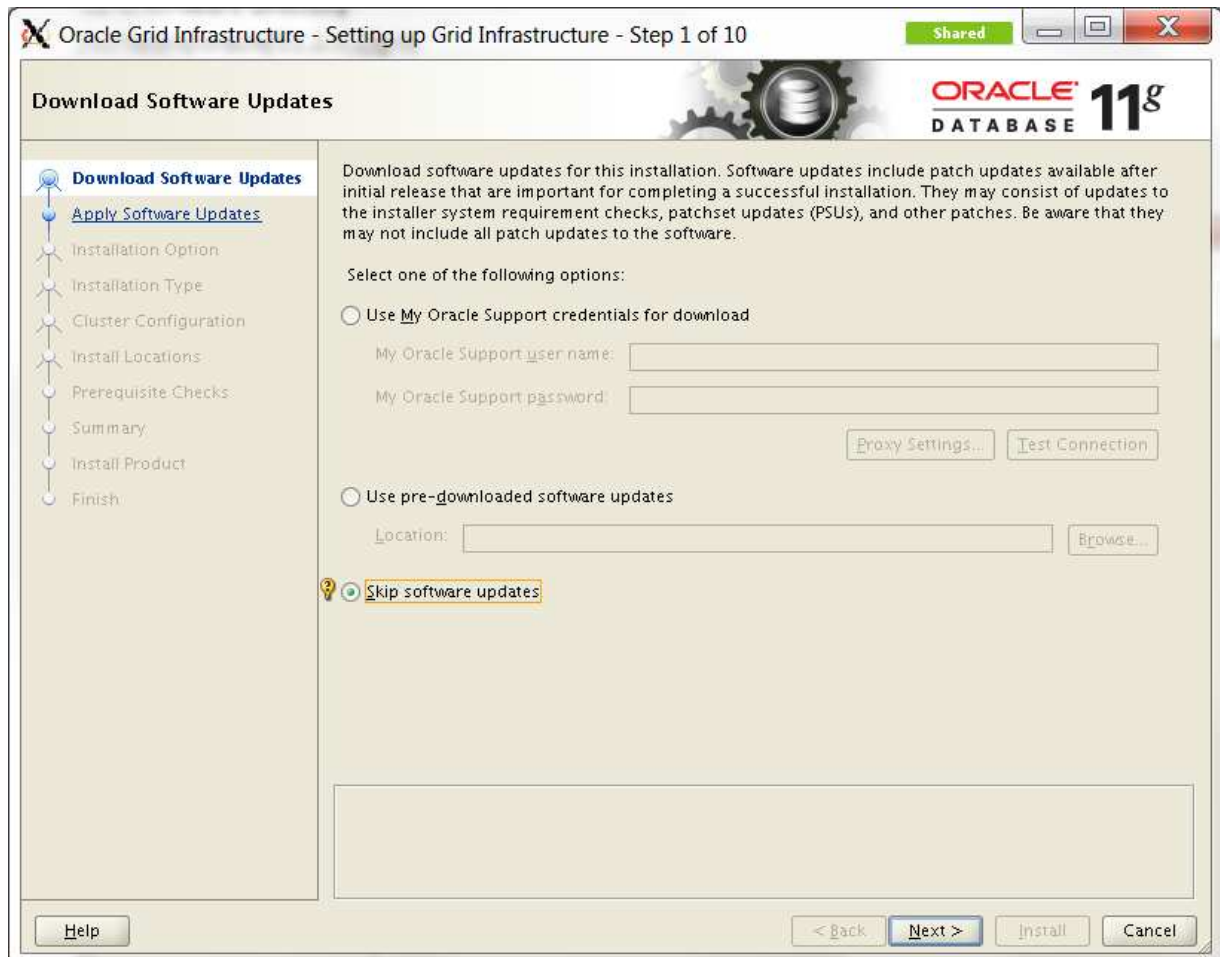
Oracle 11g R2 Grid Installation Screenshot

Cd to software directory

/software/oracle/11.2.0.2/grid

Set terminal emulation and check if xclock is showing the window

./runInstaller&

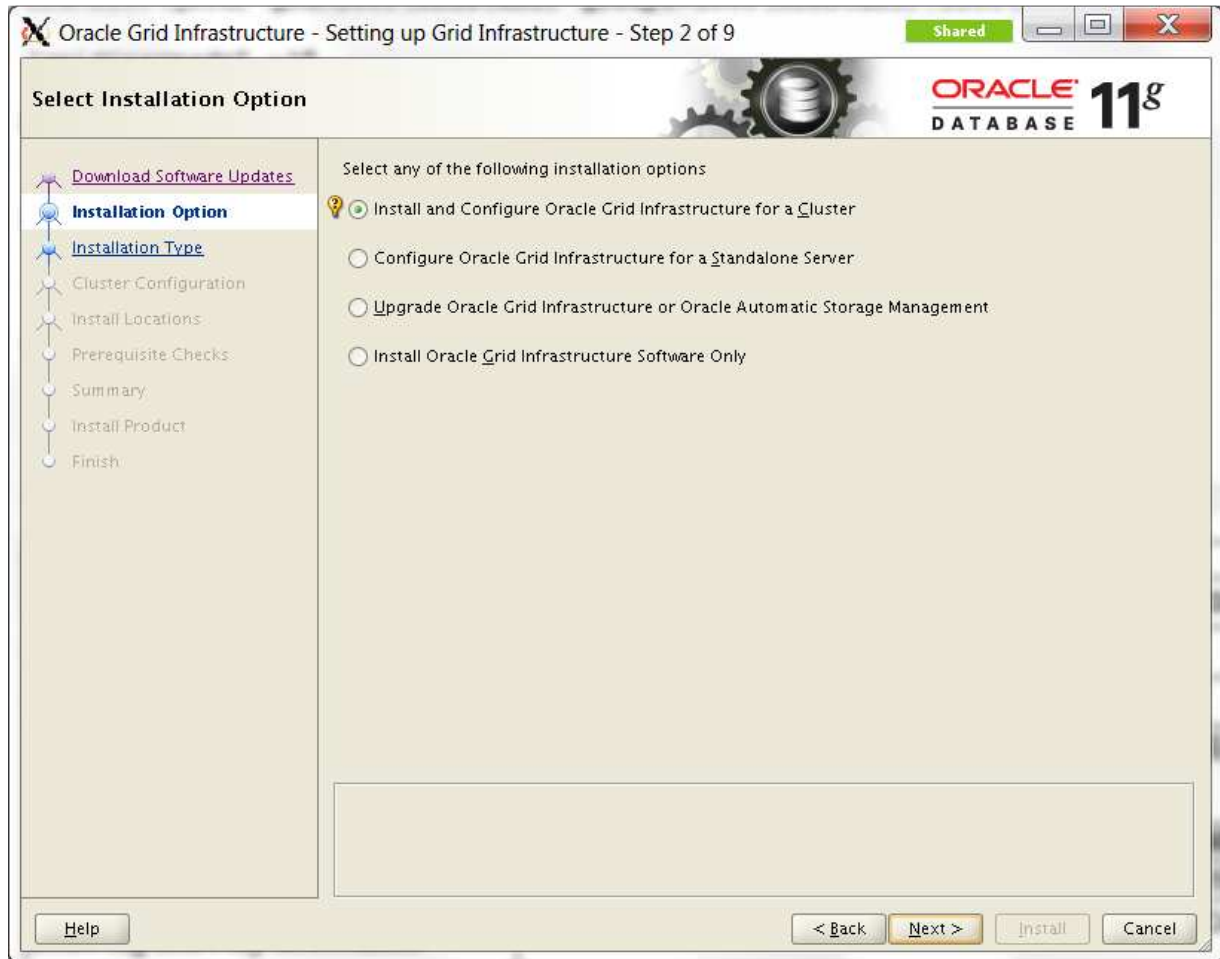


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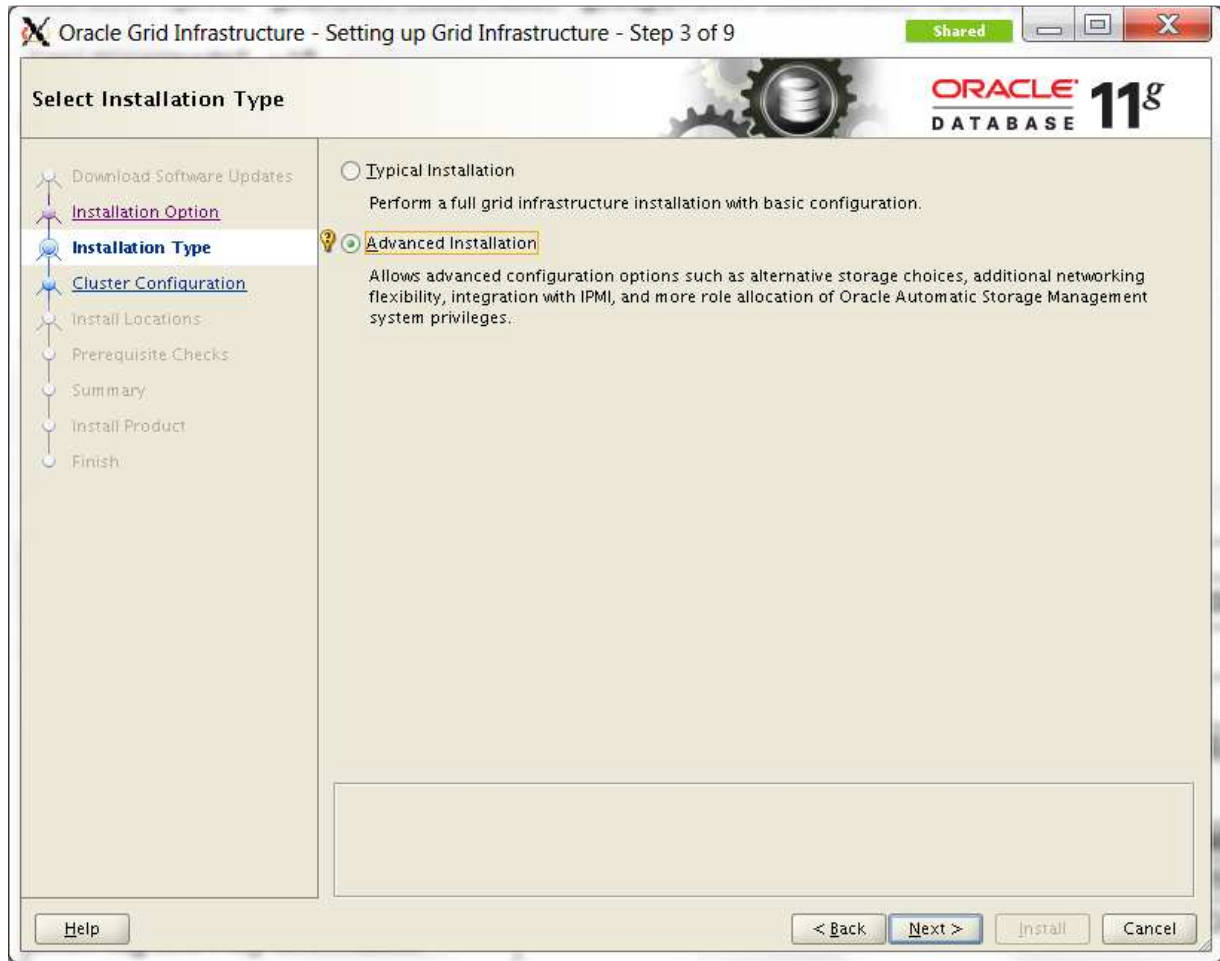
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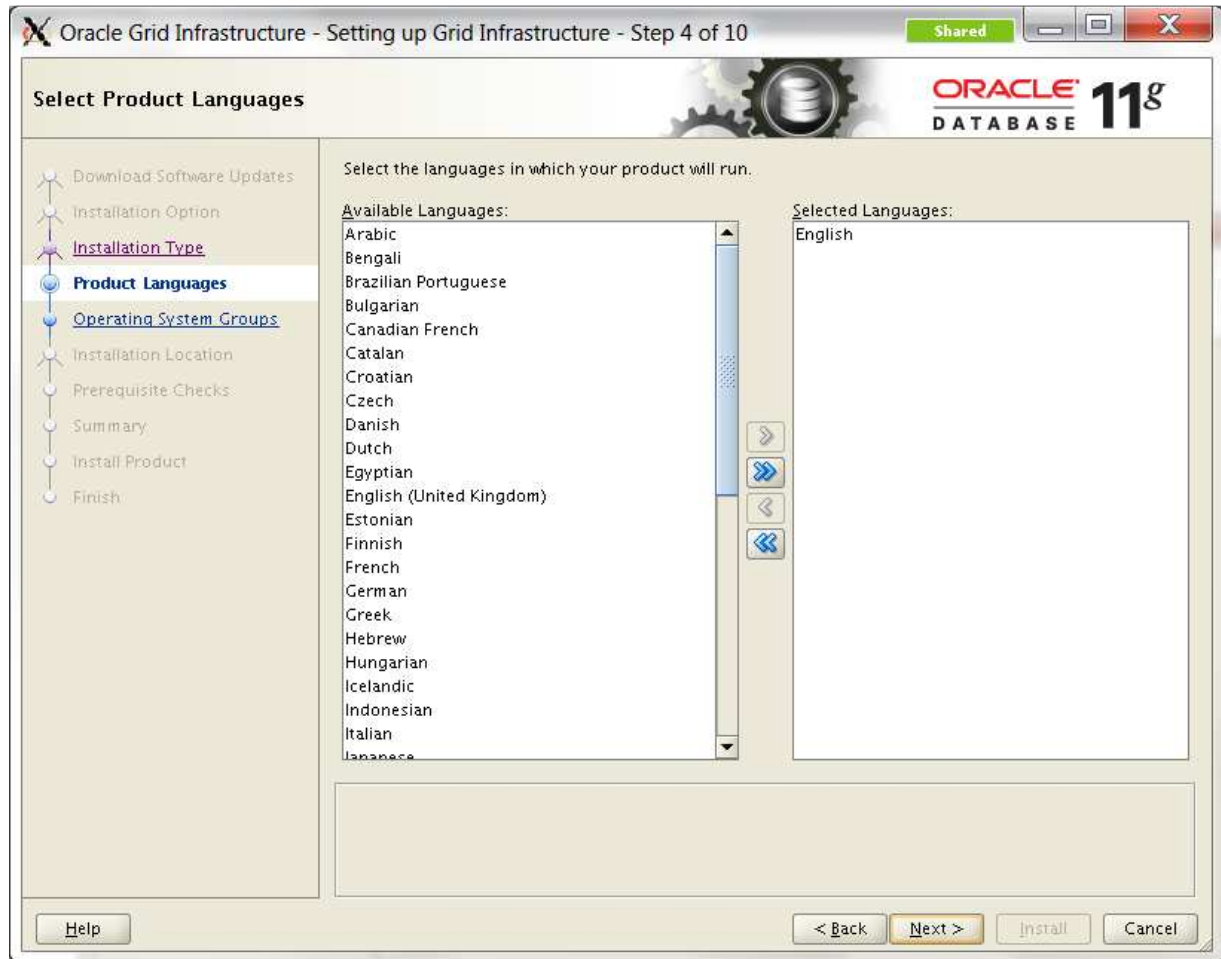
Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot

Oracle Grid Infrastructure - Setting up Grid Infrastructure - Step 5 of 16

Grid Plug and Play Information

Single Client Access Name (SCAN) allows clients to use one name in connection strings to connect to the cluster as a whole. Client connect requests to the SCAN name can be handled by any cluster node.

Cluster Name:

SCAN Name:

SCAN Port:

☐ **Configure GNS**

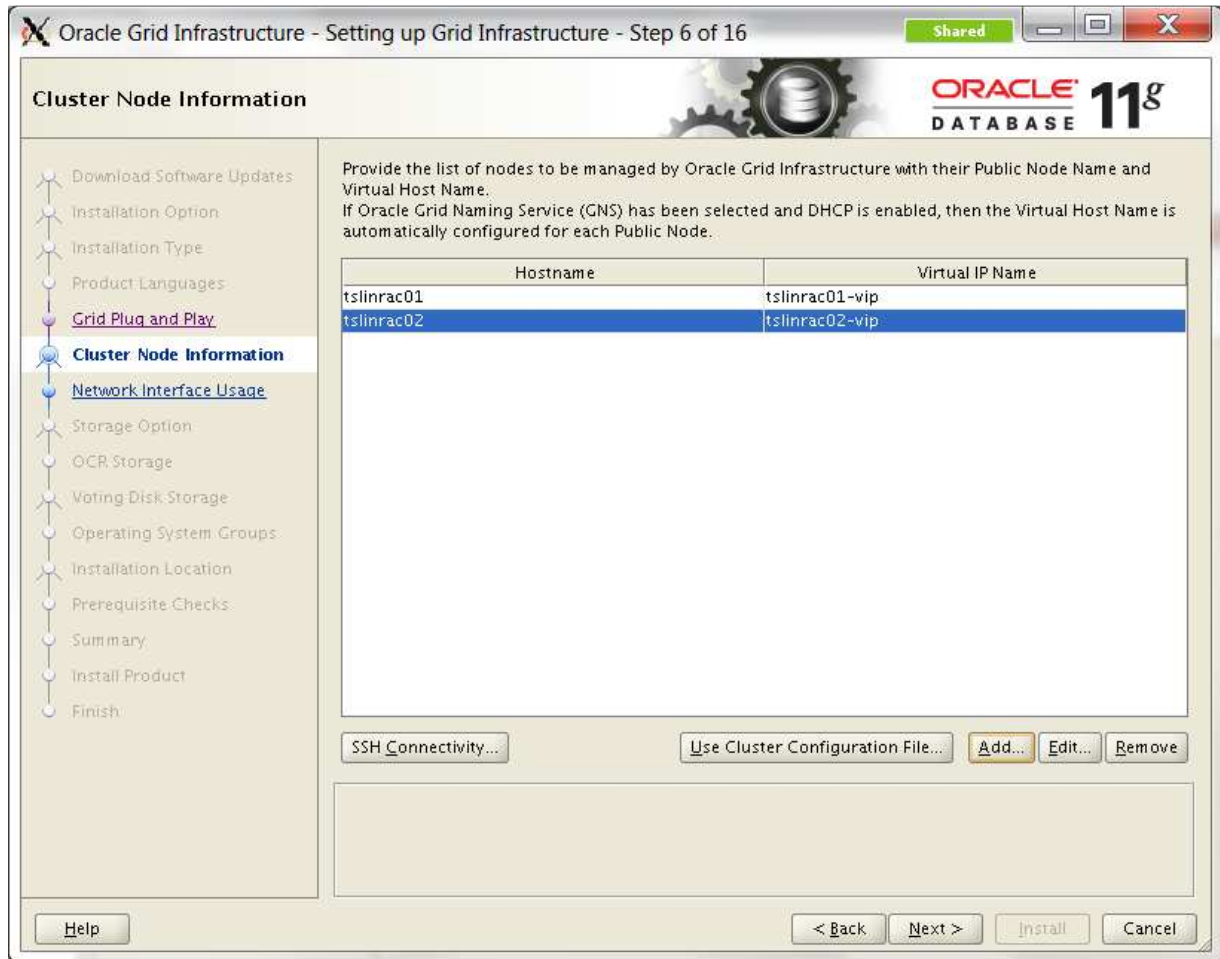
GNS Sub Domain:
For example: grid.example.com

GNS VIP Address:

Help < Back Next > Install Cancel

Add all additional hosts + vips in the next screen

Oracle 11g R2 Grid Installation Screenshot



Tslinrac02 was "add"ed

After ALL nodes are specified with their public hostname and VIP names, click "SSH Connectivity" to for OUI to establish ssh connectivity.

Oracle 11g R2 Grid Installation Screenshot

Oracle Grid Infrastructure - Setting up Grid Infrastructure - Step 6 of 16

Cluster Node Information

Provide the list of nodes to be managed by Oracle Grid Infrastructure with their Public Node Name and Virtual Host Name.
If Oracle Grid Naming Service (GNS) has been selected and DHCP is enabled, then the Virtual Host Name is automatically configured for each Public Node.

Hostname	Virtual IP Name
tslinrac01	tslinrac01-vip
tslinrac02	tslinrac02-vip

SSH Connectivity... Use Cluster Configuration File... Add... Edit... Remove

OS Username: grid OS Password: *****

☐ User home is shared by the selected nodes

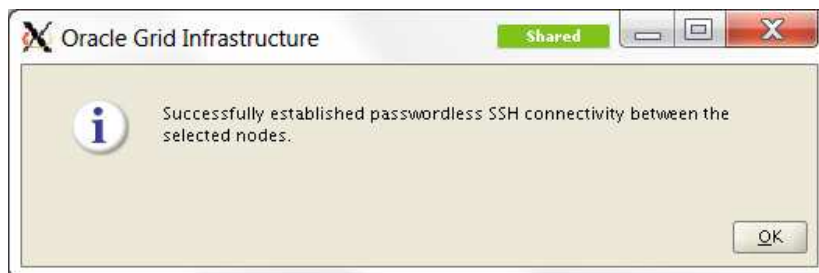
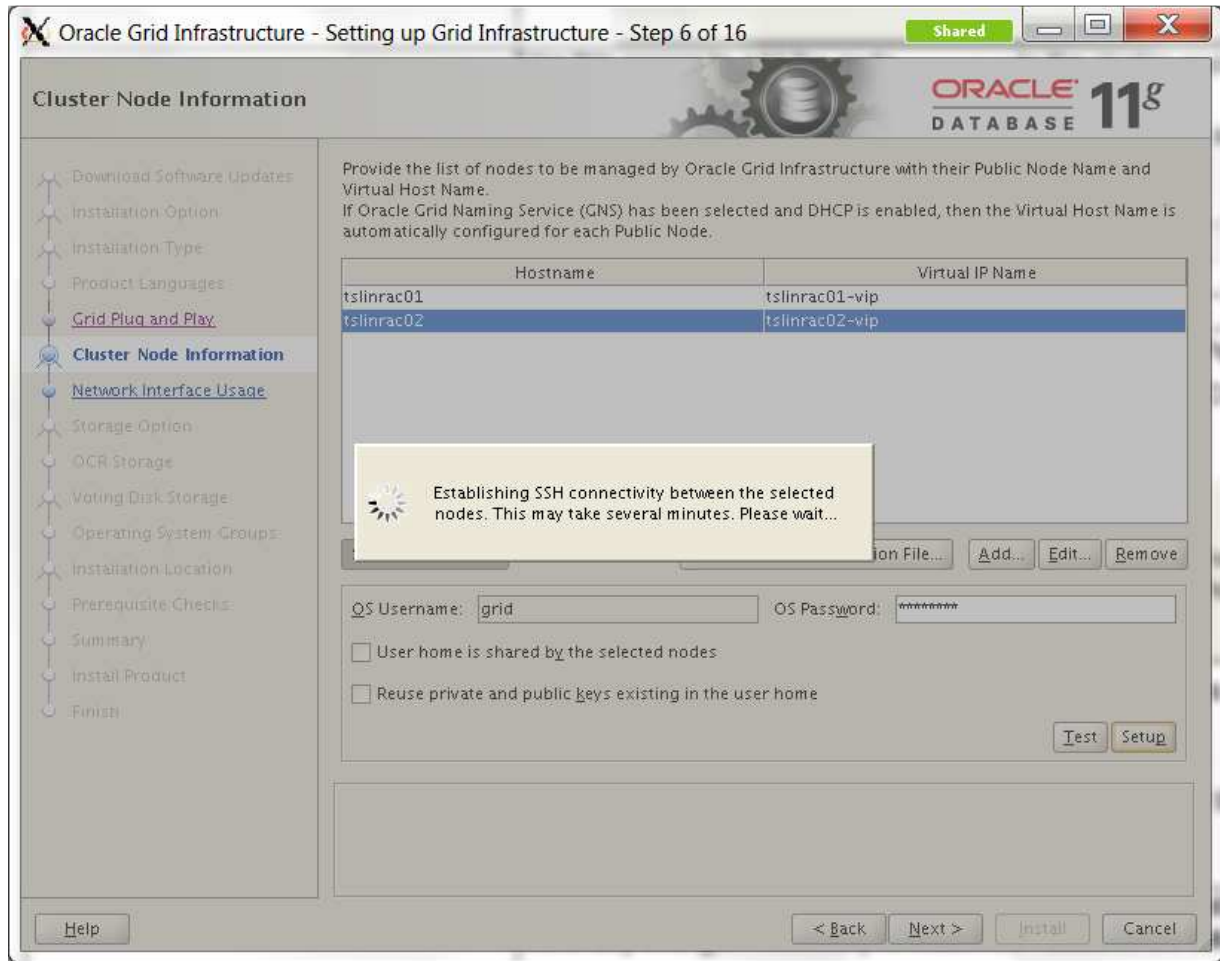
☐ Reuse private and public keys existing in the user home

Test Setup

Help < Back Next > Install Cancel

Click "setup". If you have already established ssh equivalence, "test" will fail but "setup" will succeed. "setup" will backup the existing authorized_keys and put in a new one.

Oracle 11g R2 Grid Installation Screenshot



Click next.

Oracle 11g R2 Grid Installation Screenshot

Oracle Grid Infrastructure - Setting up Grid Infrastructure - Step 7 of 16

Specify Network Interface Usage

Identify the planned use for each global interface shown in the box below as Public, Private, or Do Not Use. Private interfaces are used by Oracle Grid Infrastructure for internode traffic.

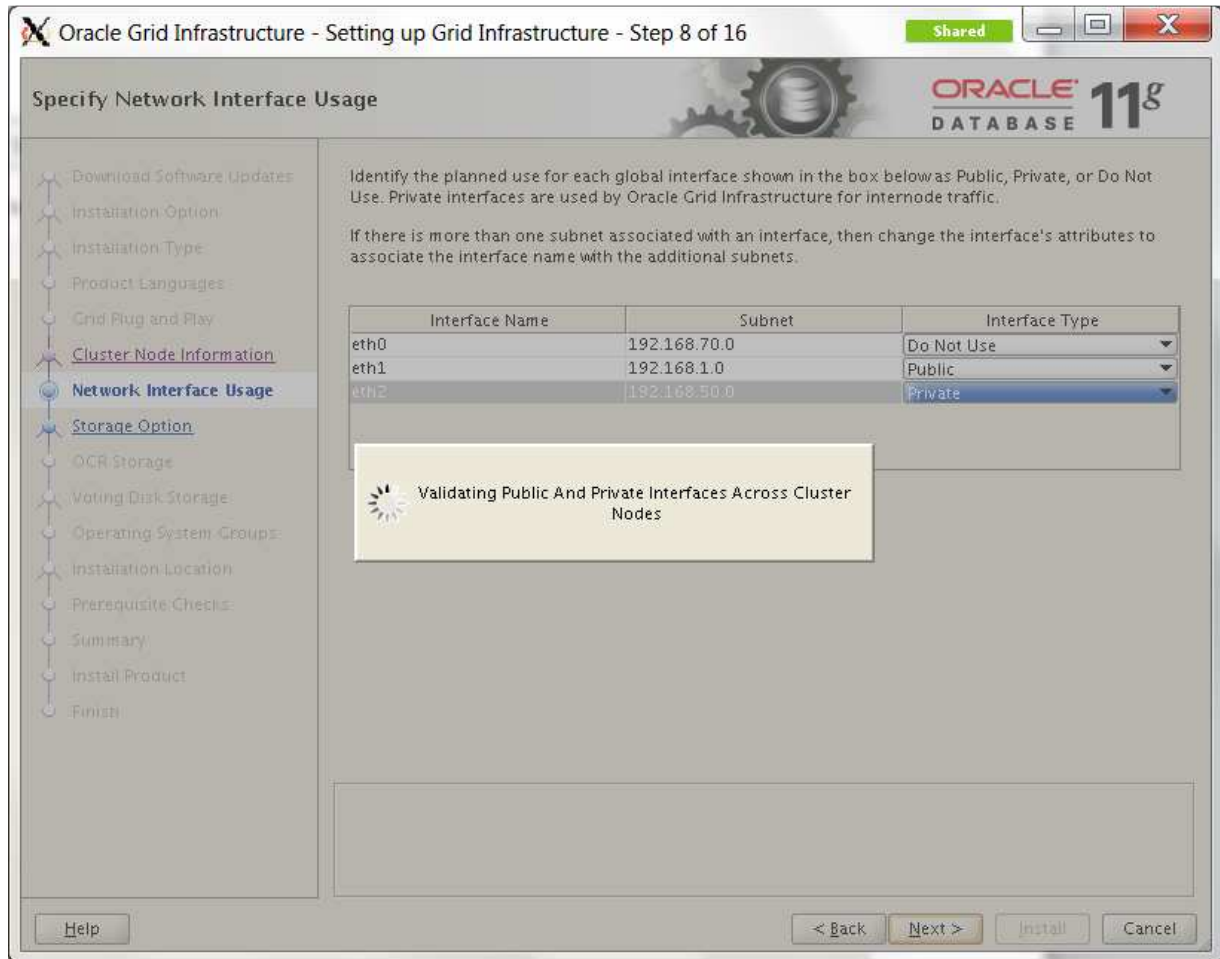
If there is more than one subnet associated with an interface, then change the interface's attributes to associate the interface name with the additional subnets.

Interface Name	Subnet	Interface Type
eth0	192.168.70.0	Do Not Use
eth1	192.168.1.0	Public
eth2	192.168.50.0	Private

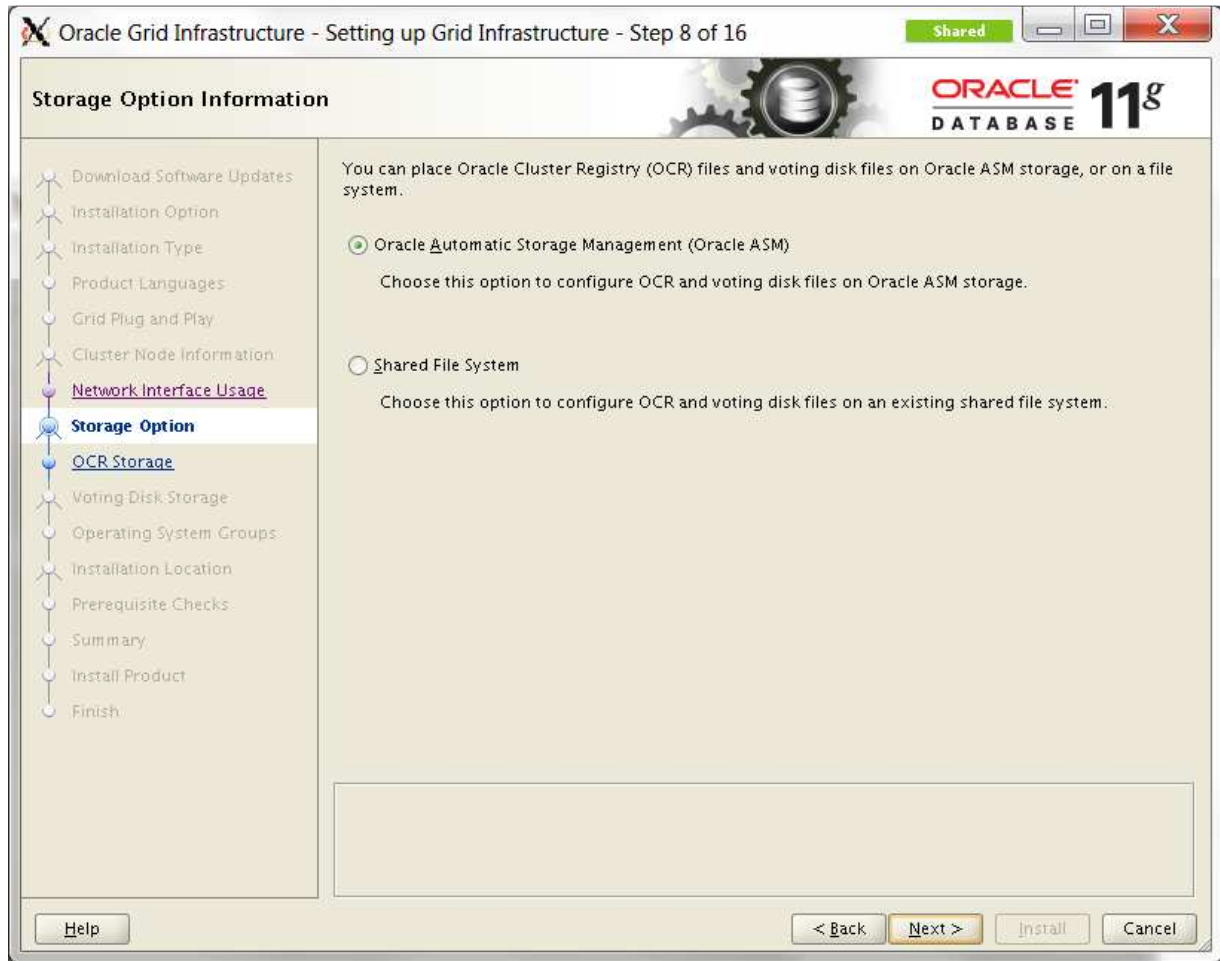
Help < Back Next > Install Cancel

Make the correct selections for public and private network. Mark any other network as "Do Not Use"

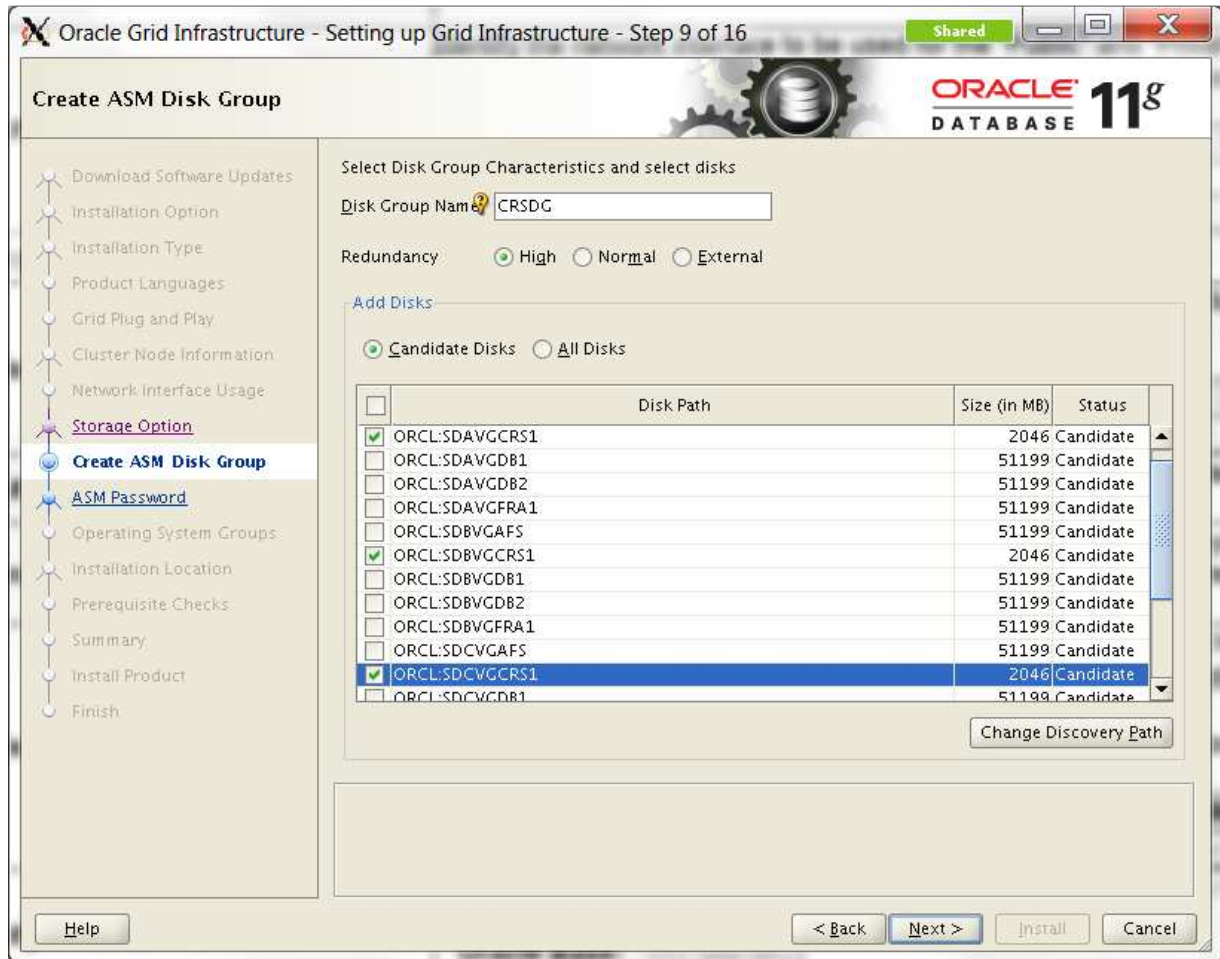
Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot



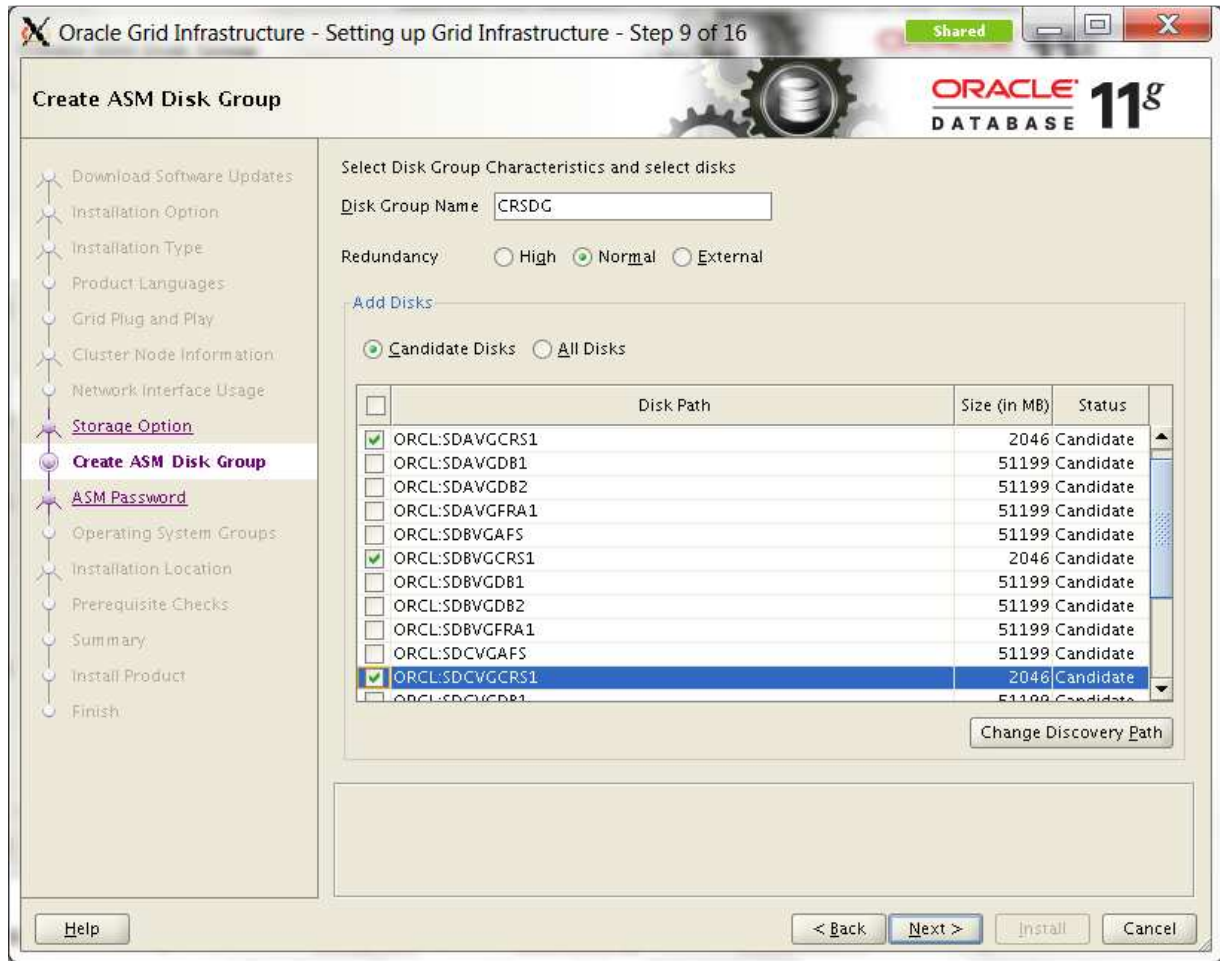
Oracle 11g R2 Grid Installation Screenshot



We are creating only CRSDG diskgroup to hold CRS+Voting disk for clusterware. Choosing HIGH redundancy and providing 3 Luns for it. Additional DG's will be created later to hold the database.

It is not accepting 3 devices with High option. It is accepting 3 devices with Normal option. Check into this.

Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot

Oracle Grid Infrastructure - Setting up Grid Infrastructure - Step 10 of 16

Specify ASM Password

The new Oracle Automatic Storage Management (Oracle ASM) instance requires its own SYS user with SYSASM privileges for administration. Oracle recommends that you create a less privileged ASMSNMP user with SYSDBA privileges to monitor the ASM instance.

Specify the password for these user accounts:

☐ Use different passwords for these accounts:

	Password	Confirm Password
SYS	<input type="password"/>	<input type="password"/>
ASMSNMP	<input type="password"/>	<input type="password"/>

☒ Use same passwords for these accounts

Specify Password: Confirm Password:

Help < Back Next > Install Cancel

Password is ""

Oracle 11g R2 Grid Installation Screenshot

Oracle Grid Infrastructure - Setting up Grid Infrastructure - Step 11 of 17 Shared

Failure Isolation Support

Choose one of the following Failure Isolation Support options.

☐ Use Intelligent Platform Management Interface (IPMI)

To ensure successful installation with IPMI enabled, ensure your IPMI drivers are properly installed and enabled.

User Name :

Password :

☒ Do not use Intelligent Platform Management Interface (IPMI)

[Download Software Updates](#)

[Installation Option](#)

[Installation Type](#)

[Product Languages](#)

[Grid Plug and Play](#)

[Cluster Node Information](#)

[Network Interface Usage](#)

[Storage Option](#)

[Create ASM Disk Group](#)

[ASM Password](#)

Failure Isolation

[Operating System Groups](#)

[Installation Location](#)

[Prerequisite Checks](#)

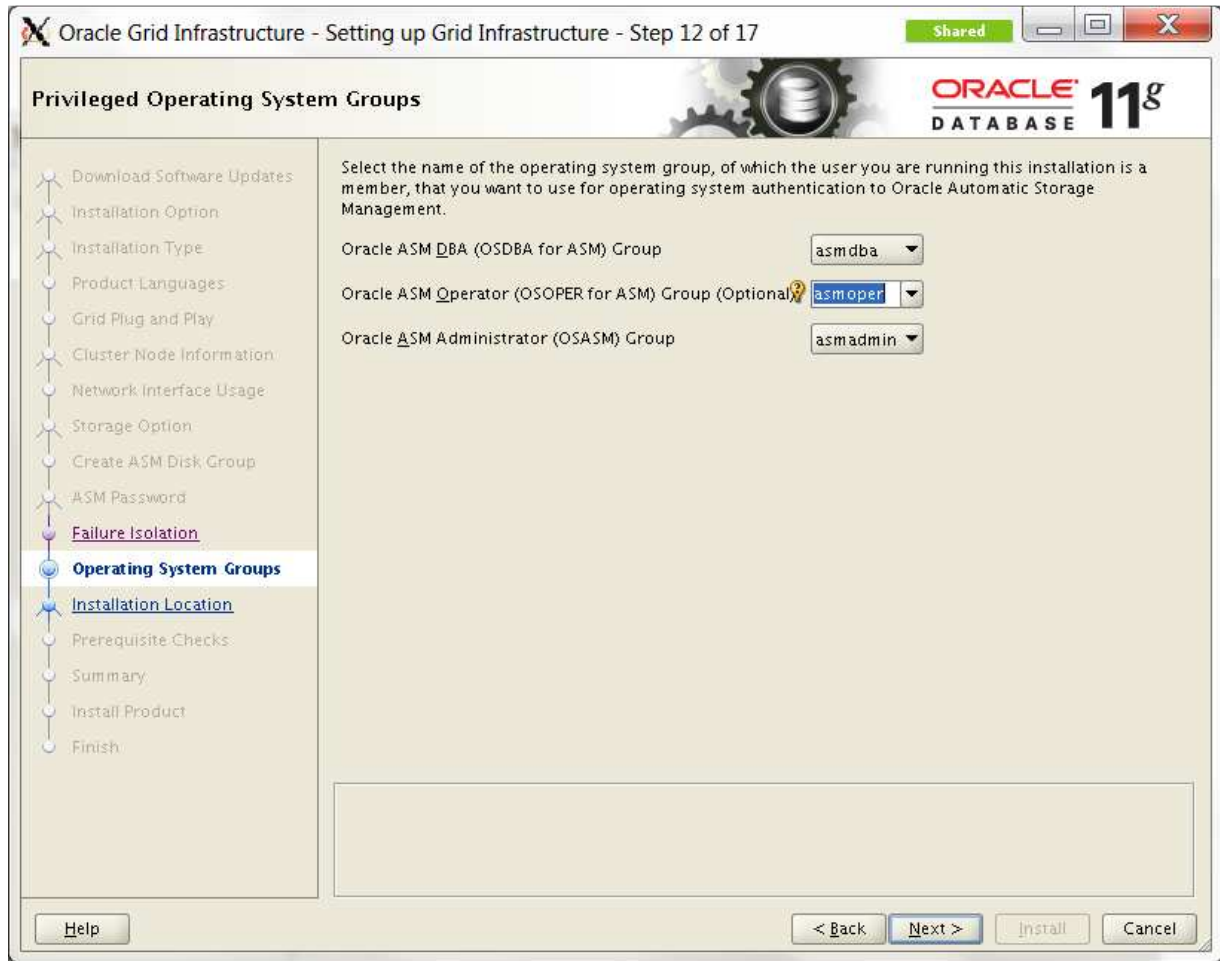
[Summary](#)

[Install Product](#)

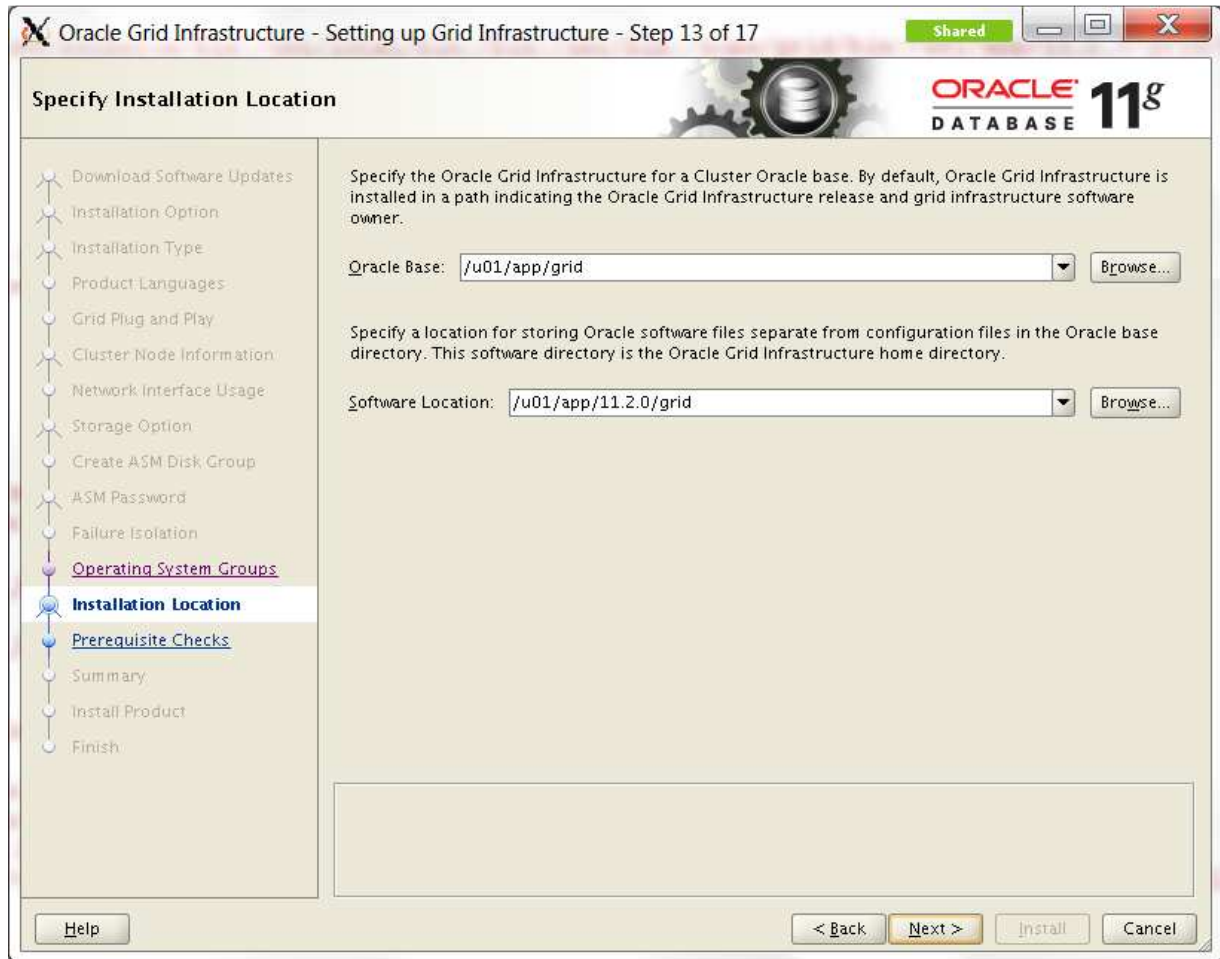
[Finish](#)

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

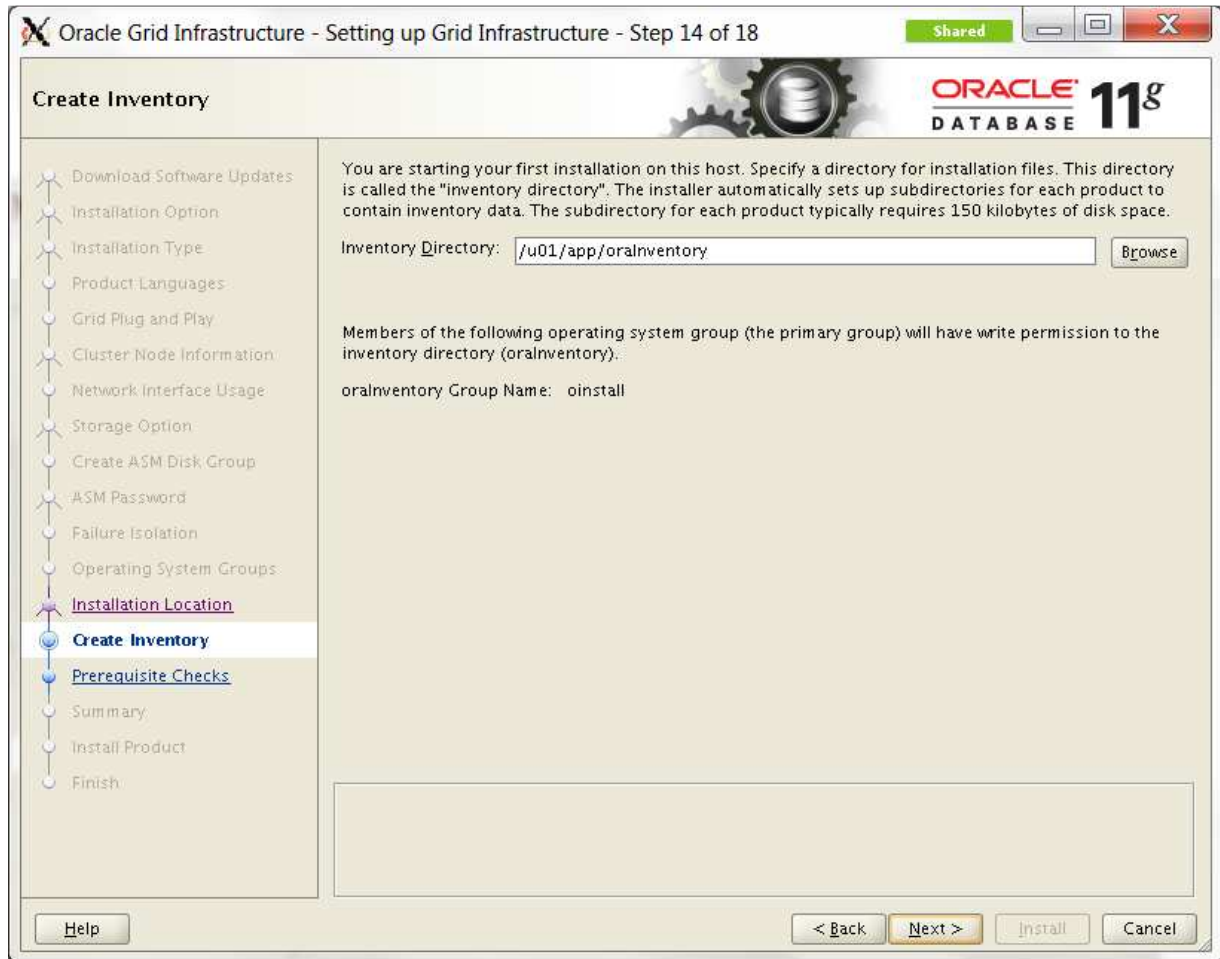
Oracle 11g R2 Grid Installation Screenshot



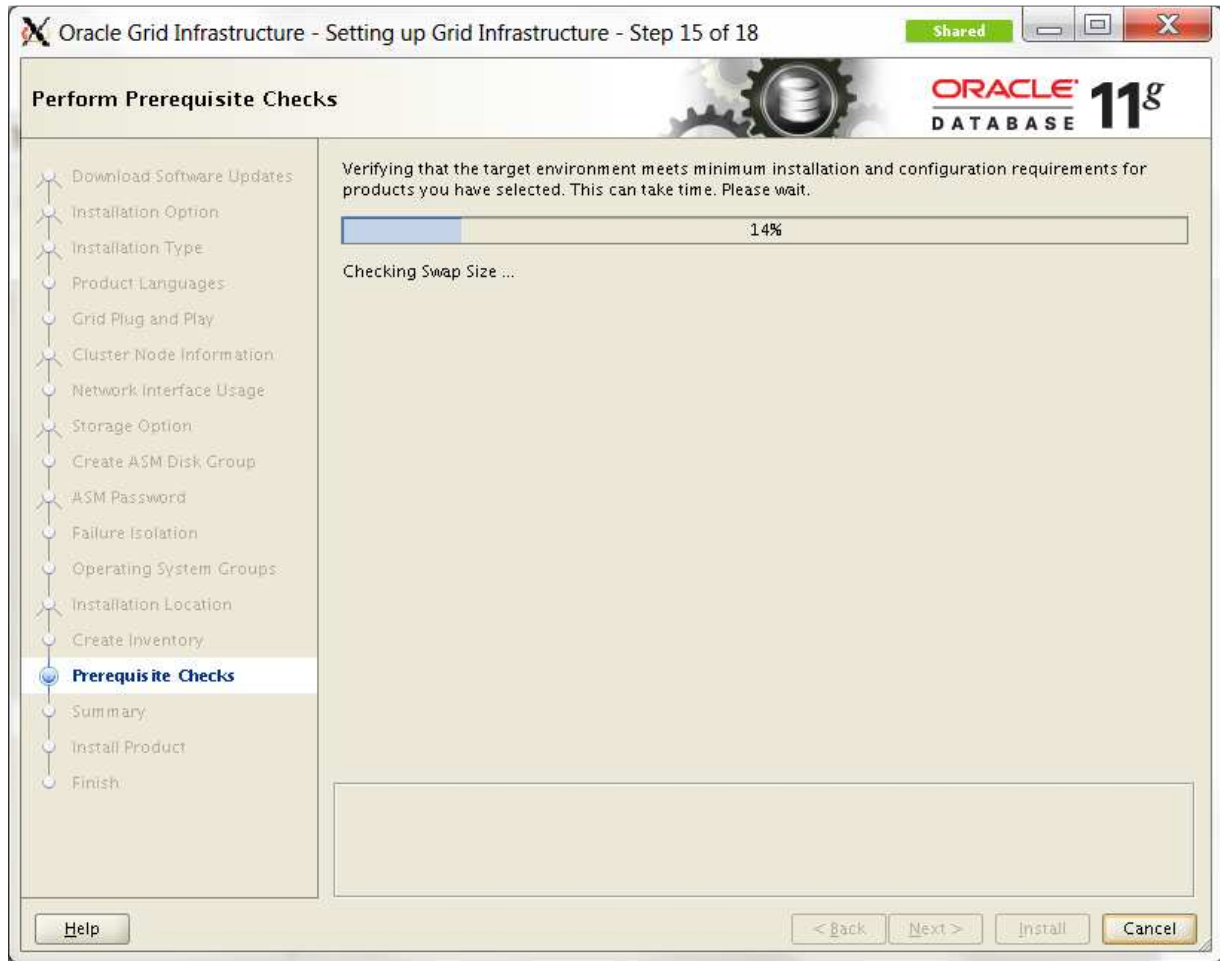
Oracle 11g R2 Grid Installation Screenshot



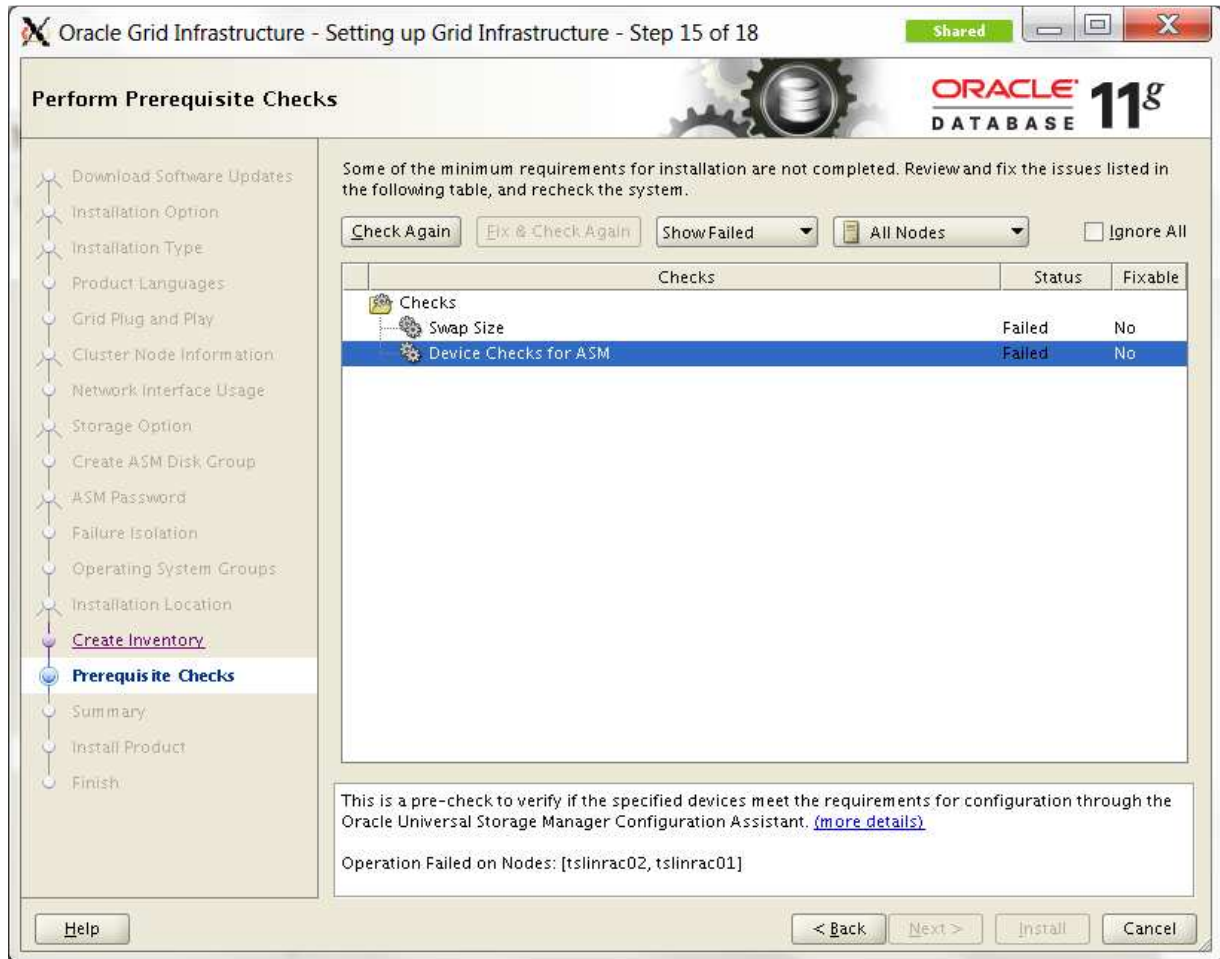
Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot

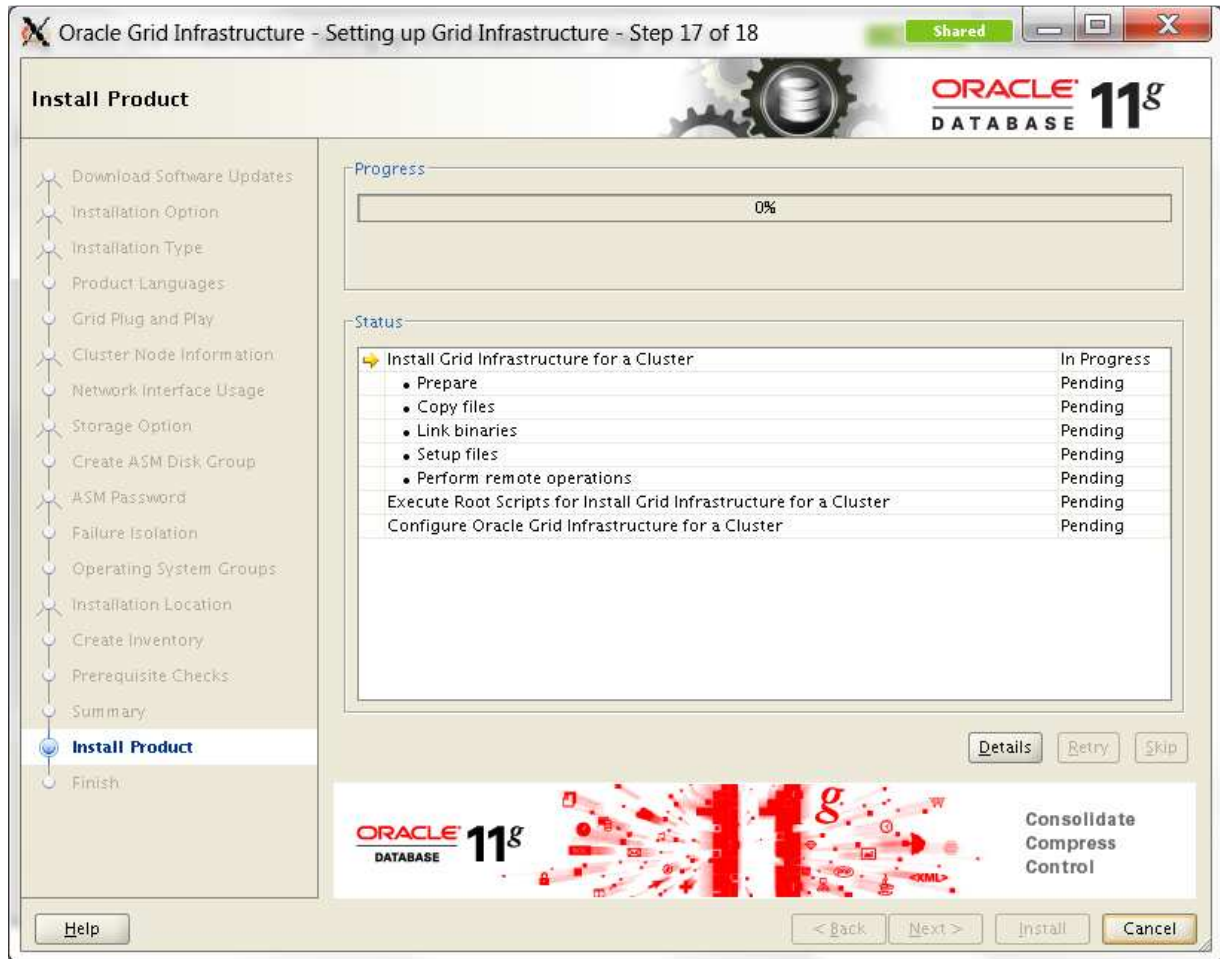


Ignore all and move on

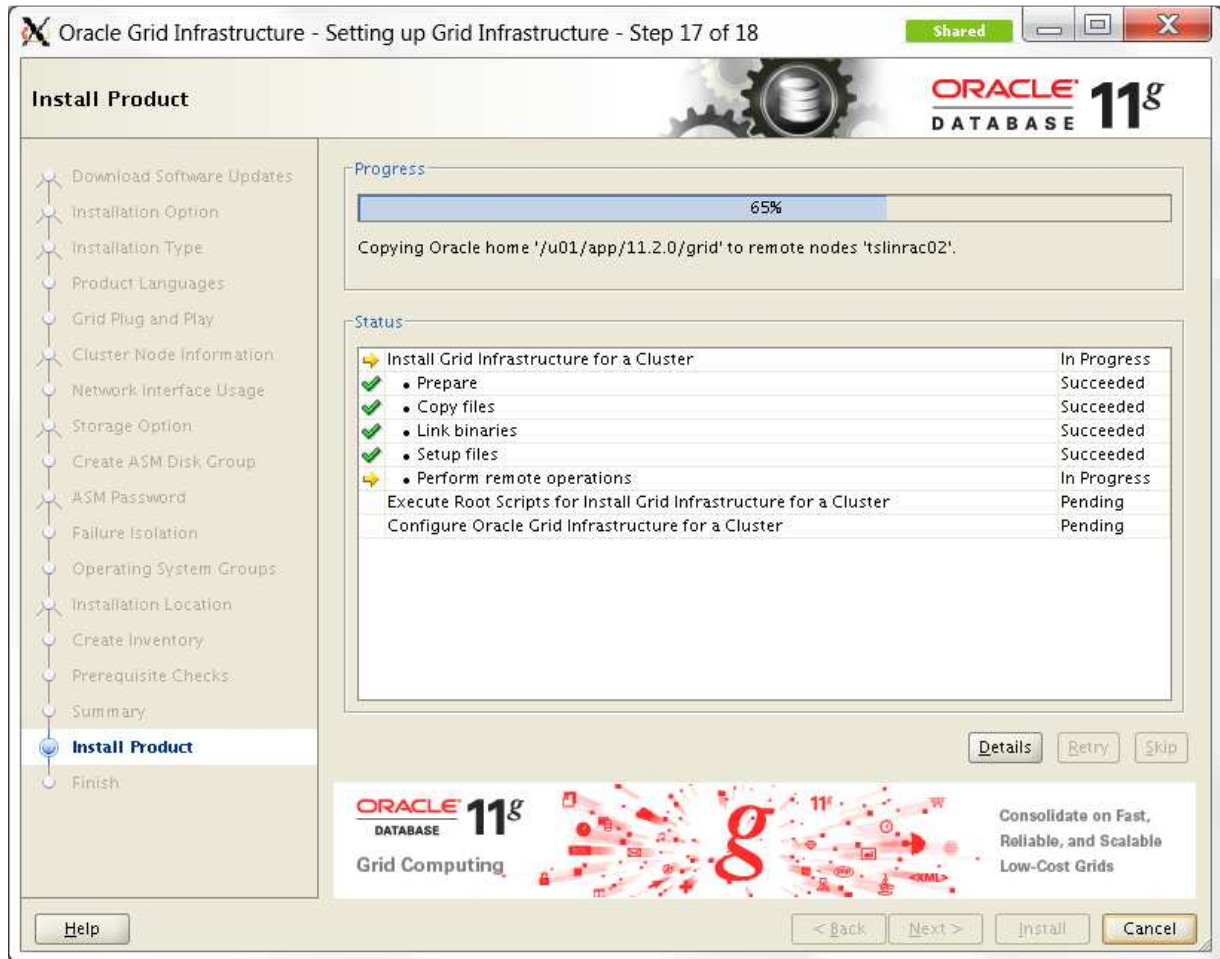
There is a metalink note describing the ASM issue as a bug. **1210863.1**

Summary screen

Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot

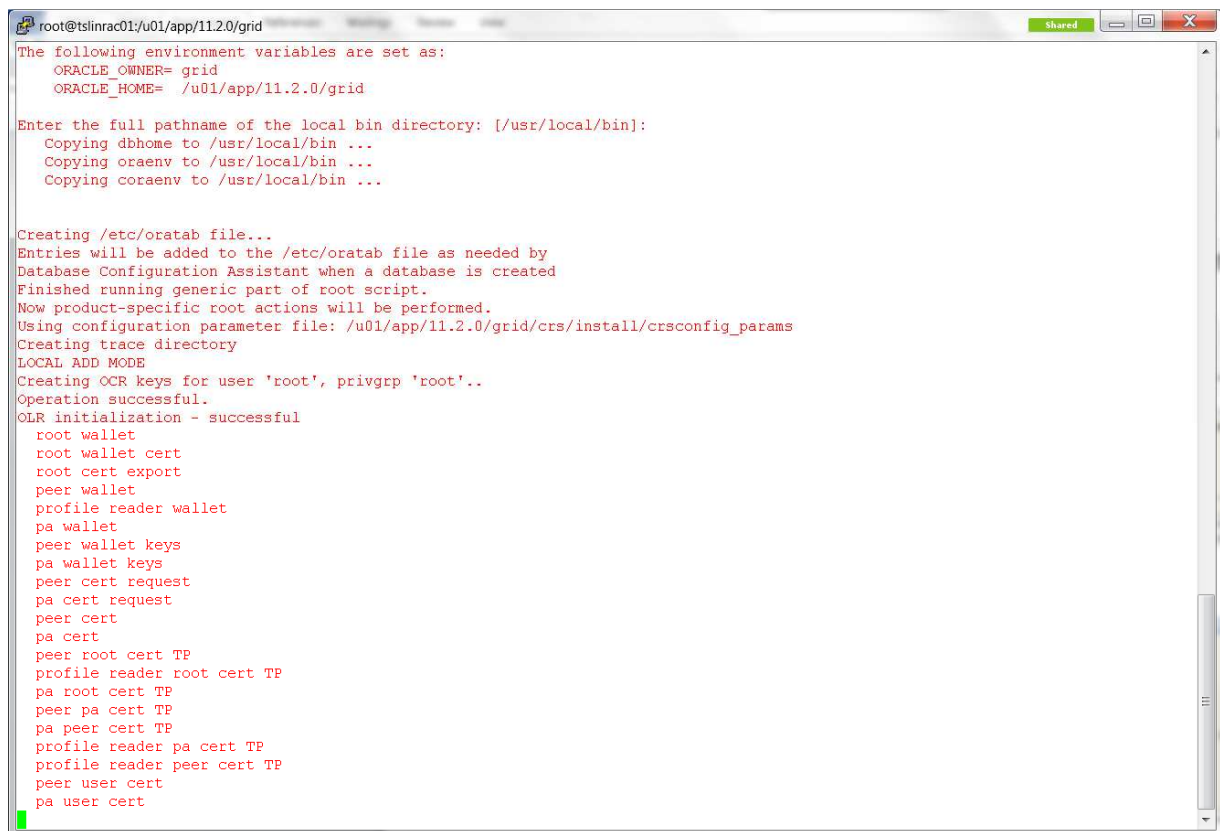
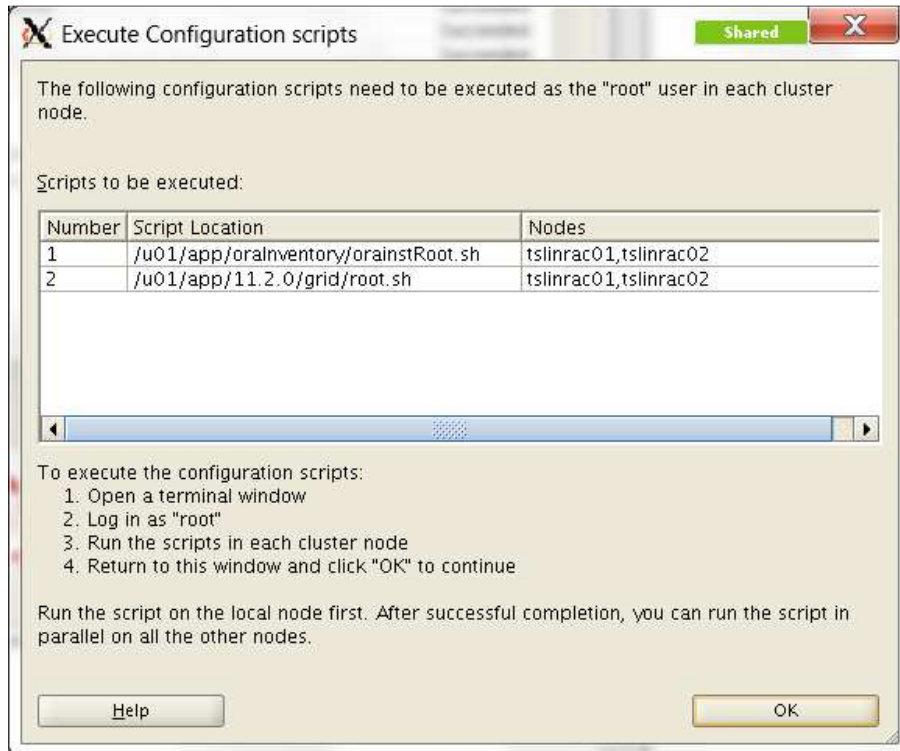


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Oracle 11g R2 Grid Installation Screenshot



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Oracle 11g R2 Grid Installation Screenshot

```

root@tslinrac01:/u01/app/11.2.0/grid
pa user cert
Adding daemon to inittab
ACFS-9200: Supported
ACFS-9300: ADVN/ACFS distribution files found.
ACFS-9307: Installing requested ADVN/ACFS software.
ACFS-9308: Loading installed ADVN/ACFS drivers.
ACFS-9321: Creating udev for ADVN/ACFS.
ACFS-9323: Creating module dependencies - this may take some time.
ACFS-9327: Verifying ADVN/ACFS devices.
ACFS-9309: ADVN/ACFS installation correctness verified.
CRS-2672: Attempting to start 'ora.mnnsd' on 'tslinrac01'
CRS-2676: Start of 'ora.mnnsd' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.gpnnd' on 'tslinrac01'
CRS-2676: Start of 'ora.gpnnd' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.cssdmonitor' on 'tslinrac01'
CRS-2676: Start of 'ora.cssdmonitor' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.gipcd' on 'tslinrac01'
CRS-2676: Start of 'ora.gipcd' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.cssd' on 'tslinrac01'
CRS-2676: Start of 'ora.cssd' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.diskmon' on 'tslinrac01'
CRS-2676: Start of 'ora.diskmon' on 'tslinrac01' succeeded
CRS-2676: Start of 'ora.cssd' on 'tslinrac01' succeeded

ASM created and started successfully.

Disk Group CRSDBG created successfully.

clscfg: -install mode specified
Successfully accumulated necessary OCR keys.
Creating OCR keys for user 'root', privgrp 'root'..
Operation successful.
CRS-4256: Updating the profile
Successful addition of voting disk 0af83b84fca64f05bf96f027b6fc9.
Successful addition of voting disk 3492f4ef75924f56bf57d59ed58f7a6d.
Successful addition of voting disk 9c2f851a0bdf4fd1bfd08b8d7da459aa.
Successfully replaced voting disk group with +CRSDBG.
CRS-4256: Updating the profile
CRS-4266: Voting file(s) successfully replaced
## STATE File Universal Id File Name Disk group
--
1. ONLINE 0af83b84fca64f05bf96f027b6fc9 (ORCL:SDAVGCRS1) [CRSDBG]
2. ONLINE 3492f4ef75924f56bf57d59ed58f7a6d (ORCL:SDBVGRS1) [CRSDBG]
3. ONLINE 9c2f851a0bdf4fd1bfd08b8d7da459aa (ORCL:SDCVGRS1) [CRSDBG]

CRS-2676: Start of 'ora.gpnnd' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.cssdmonitor' on 'tslinrac01'
CRS-2672: Attempting to start 'ora.gipcd' on 'tslinrac01'
CRS-2676: Start of 'ora.cssdmonitor' on 'tslinrac01' succeeded
CRS-2676: Start of 'ora.gipcd' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.cssd' on 'tslinrac01'
CRS-2672: Attempting to start 'ora.diskmon' on 'tslinrac01'
CRS-2676: Start of 'ora.diskmon' on 'tslinrac01' succeeded
CRS-2676: Start of 'ora.cssd' on 'tslinrac01' succeeded

ASM created and started successfully.

Disk Group CRSDBG created successfully.

clscfg: -install mode specified
Successfully accumulated necessary OCR keys.
Creating OCR keys for user 'root', privgrp 'root'..
Operation successful.
CRS-4256: Updating the profile
Successful addition of voting disk 0af83b84fca64f05bf96f027b6fc9.
Successful addition of voting disk 3492f4ef75924f56bf57d59ed58f7a6d.
Successful addition of voting disk 9c2f851a0bdf4fd1bfd08b8d7da459aa.
Successfully replaced voting disk group with +CRSDBG.
CRS-4256: Updating the profile
CRS-4266: Voting file(s) successfully replaced
## STATE File Universal Id File Name Disk group
--
1. ONLINE 0af83b84fca64f05bf96f027b6fc9 (ORCL:SDAVGCRS1) [CRSDBG]
2. ONLINE 3492f4ef75924f56bf57d59ed58f7a6d (ORCL:SDBVGRS1) [CRSDBG]
3. ONLINE 9c2f851a0bdf4fd1bfd08b8d7da459aa (ORCL:SDCVGRS1) [CRSDBG]
Located 3 voting disk(s).

CRS-2672: Attempting to start 'ora.asm' on 'tslinrac01'
CRS-2676: Start of 'ora.asm' on 'tslinrac01' succeeded
CRS-2672: Attempting to start 'ora.CRSDBG.dg' on 'tslinrac01'
CRS-2676: Start of 'ora.CRSDBG.dg' on 'tslinrac01' succeeded
ACFS-9200: Supported
ACFS-9200: Supported
CRS-2672: Attempting to start 'ora.registry.acfs' on 'tslinrac01'
CRS-2676: Start of 'ora.registry.acfs' on 'tslinrac01' succeeded
Configure Oracle Grid Infrastructure for a Cluster ... succeeded
[root@tslinrac01 grid]#
[root@tslinrac01 grid]#

```

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Oracle 11g R2 Grid Installation Screenshot

```
root@tslinrac02:/u01/app/11.2.0/grid
drwxr-xr-x 2 grid oinstall 4096 Nov 25 13:00 mesg
drwxr-xr-x 2 grid oinstall 4096 Nov 25 13:00 instantclient
drwxr-xr-x 2 grid oinstall 4096 Nov 25 13:00 dc_ocr
drwxr-xr-x 6 grid oinstall 4096 Nov 25 13:02 pilsq1
drwxrwx--- 14 grid oinstall 4096 Nov 25 13:02 inventory
drwxr-xr-x 4 grid oinstall 4096 Nov 25 13:02 deinstall
drwxr-xr-x 2 grid oinstall 12288 Nov 25 13:02 bin
drwxr-xr-x 2 grid oinstall 4096 Nov 25 13:02 dbs
drwxr-xr-x 2 grid oinstall 4096 Nov 25 13:02 utl
-rw-r----- 1 grid oinstall 127 Nov 25 13:03 oraInst.loc
drwxr-xr-x 7 grid oinstall 4096 Nov 25 13:03 install
drwxrwxr-x 3 grid oinstall 4096 Nov 25 13:03 cfgtoollogs
drwxr-xr-x 4 grid oinstall 4096 Nov 25 13:07 gpnp
[root@tslinrac02 grid]# ./root.sh
Running Oracle 11g root script...

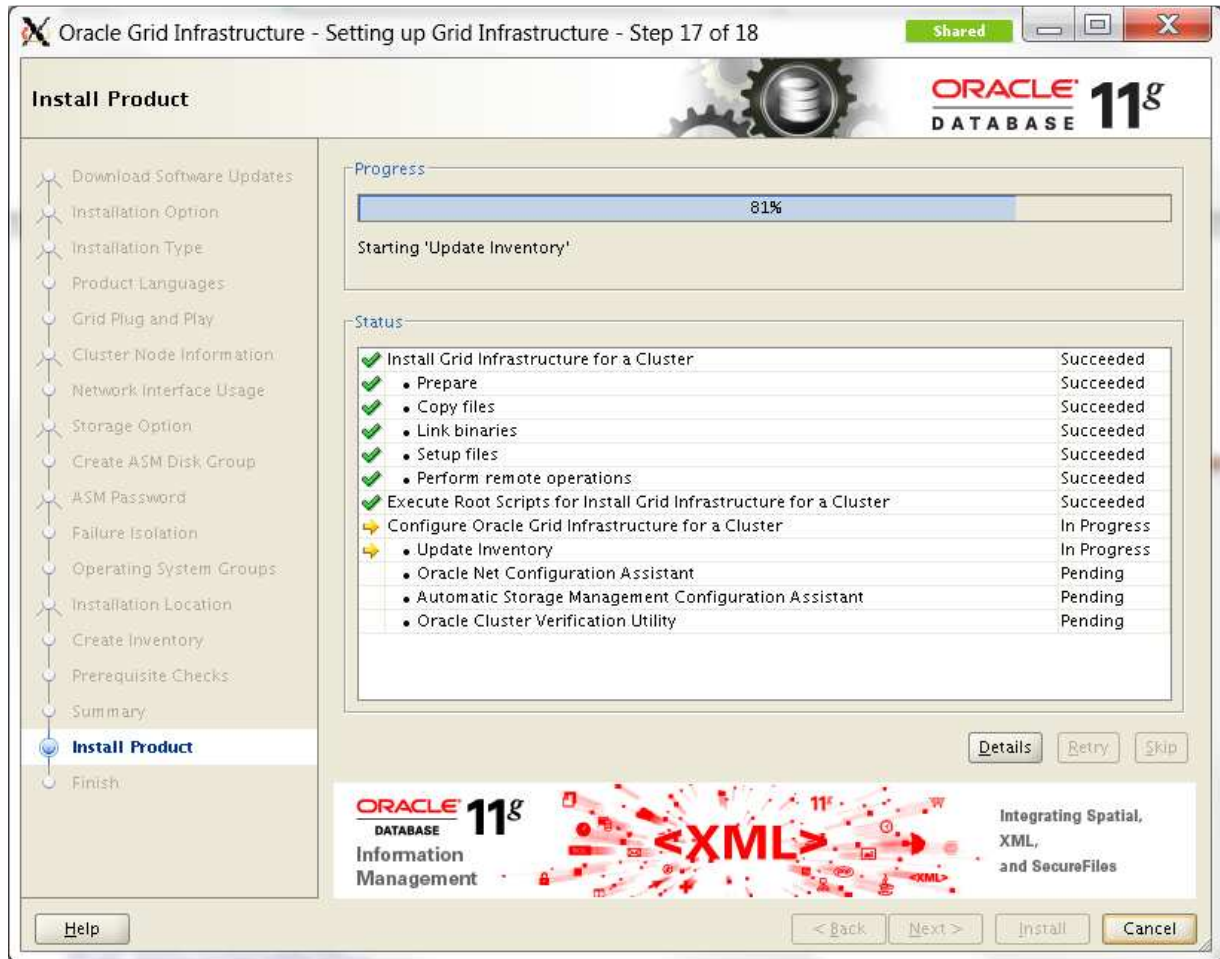
The following environment variables are set as:
  ORACLE_OWNER= grid
  ORACLE_HOME= /u01/app/11.2.0/grid

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 corasenv to /usr/local/bin ...

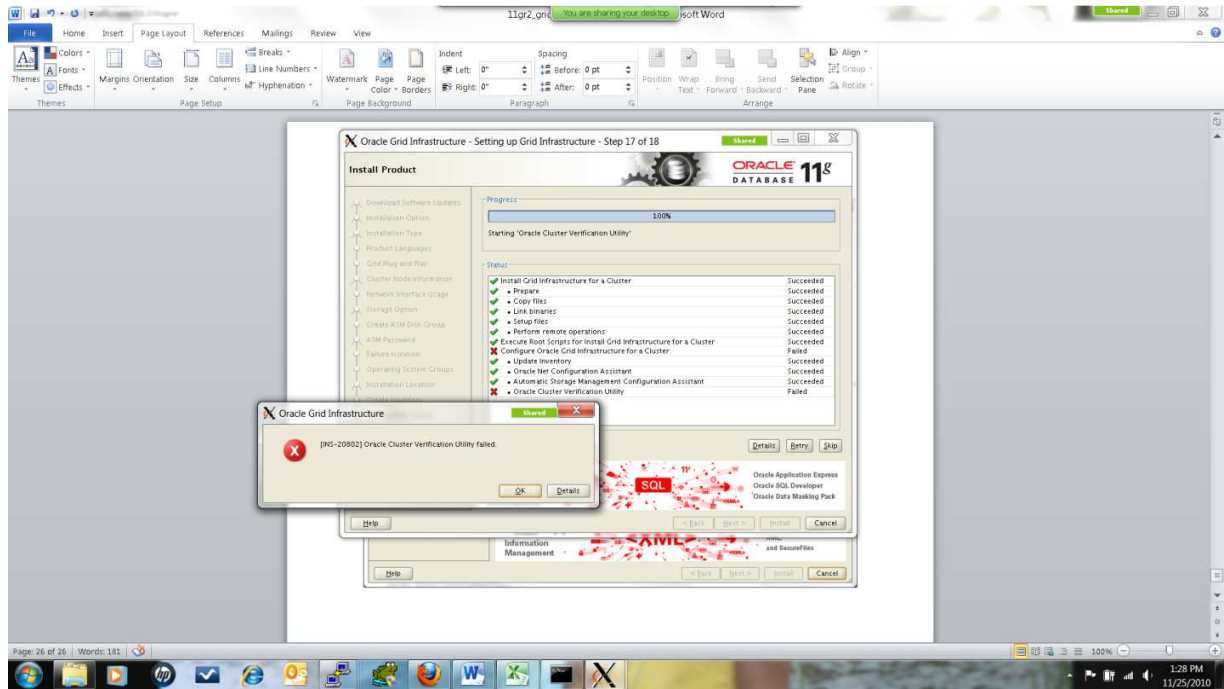
Creating /etc/oratab file...
Entries will be added to the /etc/oratab file as needed by
Database Configuration Assistant when a database is created
Finished running generic part of root script.
Now product-specific root actions will be performed.
Using configuration parameter file: /u01/app/11.2.0/grid/crs/install/crsconfig_params
Creating trace directory
LOCAL ADD MODE
Creating OCR keys for user 'root', privgrp 'root'..
Operation successful.
OCR initialization - successful
Adding daemon to inittab
ACFS-9200: Supported
ACFS-9300: ADVM/ACFS distribution files found.
ACFS-9307: Installing requested ADVM/ACFS software.
ACFS-9308: Loading installed ADVM/ACFS drivers.
ACFS-9321: Creating udev for ADVM/ACFS.
ACFS-9323: Creating module dependencies - this may take some time.
ACFS-9327: Verifying ADVM/ACFS devices.
ACFS-9309: ADVM/ACFS installation correctness verified.
CRS-4402: The CRS daemon was started in exclusive mode but found an active CRS daemon on node tslinrac01, number 1, and is terminating
An active cluster was found during exclusive startup, restarting to join the cluster
Configure Oracle Grid Infrastructure for a Cluster ... succeeded
[root@tslinrac02 grid]#
```

Click ok on the execute script window

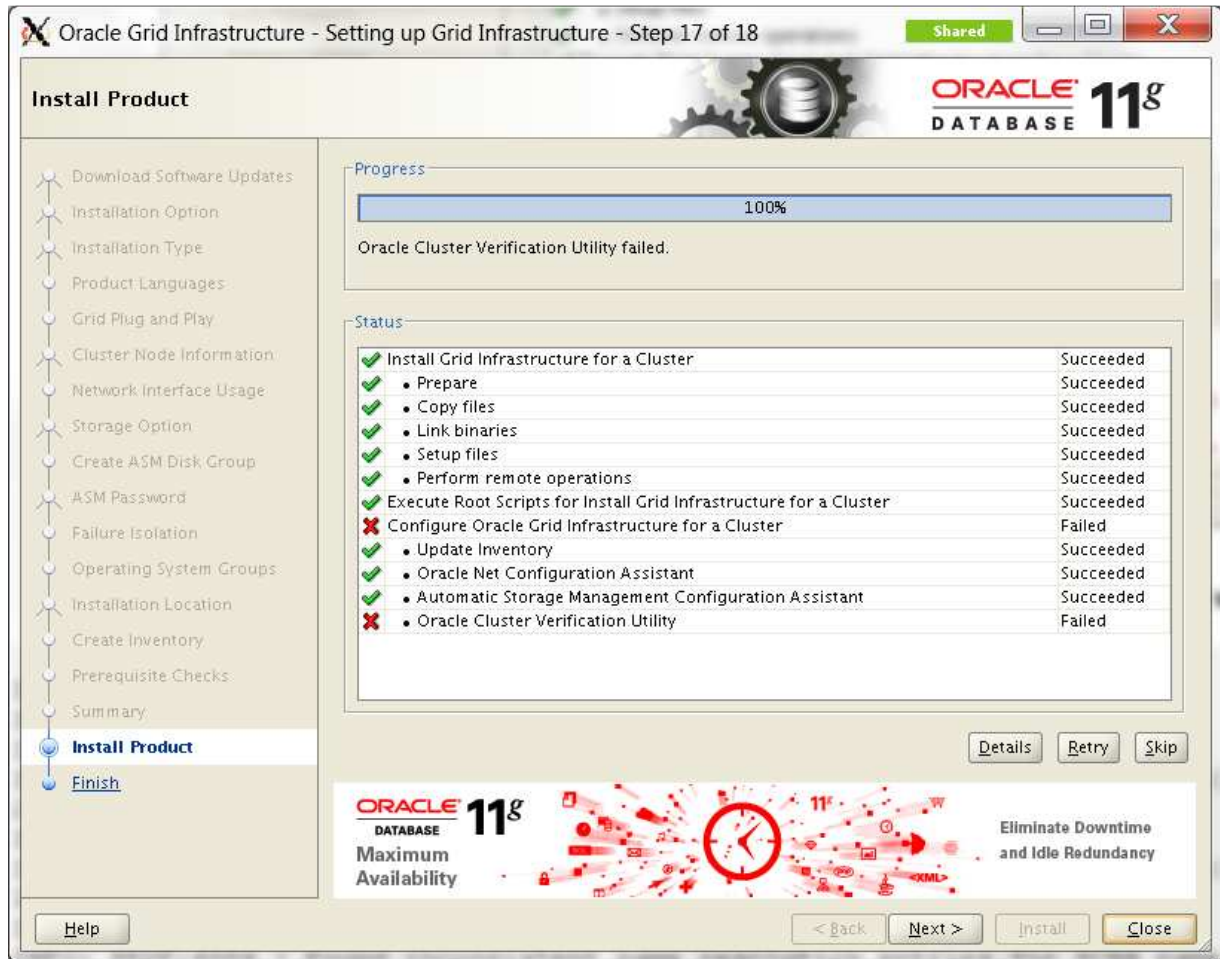
Oracle 11g R2 Grid Installation Screenshot



Oracle 11g R2 Grid Installation Screenshot

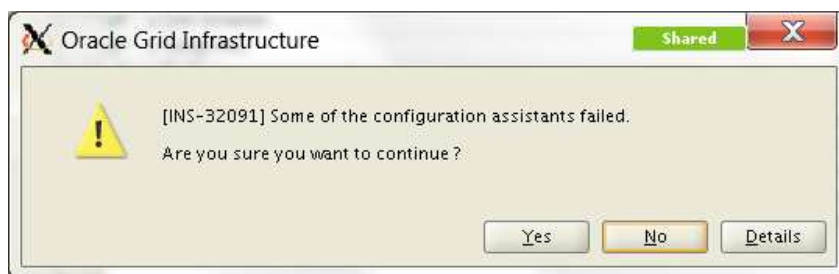


Oracle 11g R2 Grid Installation Screenshot



This is documented in Doc ID: [887471.1](https://docs.oracle.com/887471.1)

Click ok and move on



Oracle 11g R2 Grid Installation Screenshot

