

## RACNODE1:

```
[root@racnode1 ~]# cd /u01/app/12.1.0/grid
[root@racnode1 grid]# ./root.sh
Performing root user operation.
```

The following environment variables are set as:

```
ORACLE_OWNER= grid
ORACLE_HOME= /u01/app/12.1.0/grid
```

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.

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/12.1.0/grid/crs/install/crsconfig\_params

2015/12/17 22:34:56 CLSRSC-4001: Installing Oracle Trace File Analyzer (TFA) Collector.

2015/12/17 22:35:26 CLSRSC-4002: Successfully installed Oracle Trace File Analyzer (TFA) Collector.

2015/12/17 22:35:27 CLSRSC-363: User ignored prerequisites during installation

OLR initialization - successful

```
root wallet
root wallet cert
root cert export
peer wallet
profile reader wallet
pa wallet
peer wallet keys
pa wallet keys
peer cert request
pa cert request
peer cert
pa cert
peer root cert TP
profile reader root cert TP
pa root cert TP
peer pa cert TP
pa peer cert TP
profile reader pa cert TP
profile reader peer cert TP
peer user cert
pa user cert
```

2015/12/17 22:36:27 CLSRSC-330: Adding Clusterware entries to file 'oracle-ohasd.conf'

CRS-4133: Oracle High Availability Services has been stopped.

CRS-4123: Oracle High Availability Services has been started.

CRS-4133: Oracle High Availability Services has been stopped.

CRS-4123: Oracle High Availability Services has been started.

CRS-2672: Attempting to start 'ora.evmd' on 'racnode1'

CRS-2672: Attempting to start 'ora.mdnsd' on 'racnode1'

CRS-2676: Start of 'ora.mdnsd' on 'racnode1' succeeded

CRS-2676: Start of 'ora.evmd' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.gpnpd' on 'racnode1'

CRS-2676: Start of 'ora.gpnpd' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.cssdmonitor' on 'racnode1'

CRS-2672: Attempting to start 'ora.gipcd' on 'racnode1'

CRS-2676: Start of 'ora.cssdmonitor' on 'racnode1' succeeded

CRS-2676: Start of 'ora.gipcd' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.cssd' on 'racnode1'

CRS-2672: Attempting to start 'ora.diskmon' on 'racnode1'

CRS-2676: Start of 'ora.diskmon' on 'racnode1' succeeded

CRS-2676: Start of 'ora.cssd' on 'racnode1' succeeded

ASM created and started successfully.

Disk Group CRS created successfully.

CRS-2672: Attempting to start 'ora.crf' on 'racnode1'  
CRS-2672: Attempting to start 'ora.storage' on 'racnode1'  
CRS-2676: Start of 'ora.storage' on 'racnode1' succeeded  
CRS-2676: Start of 'ora.crf' on 'racnode1' succeeded  
CRS-2672: Attempting to start 'ora.crsd' on 'racnode1'  
CRS-2676: Start of 'ora.crsd' on 'racnode1' succeeded  
CRS-4256: Updating the profile  
Successful addition of voting disk 6623c2c7b3a24fc5bffd28b93c053000.  
Successfully replaced voting disk group with +CRS.

CRS-4256: Updating the profile

CRS-4266: Voting file(s) successfully replaced

| ## | STATE | File Universal Id | File Name | Disk group |
|----|-------|-------------------|-----------|------------|
|----|-------|-------------------|-----------|------------|

|    |        |                                  |                                  |       |
|----|--------|----------------------------------|----------------------------------|-------|
| 1. | ONLINE | 6623c2c7b3a24fc5bffd28b93c053000 | (/dev/oracleasm/disks/ASMDISK01) | [CRS] |
|----|--------|----------------------------------|----------------------------------|-------|

Located 1 voting disk(s).

CRS-2791: Starting shutdown of Oracle High Availability Services-managed resources on 'racnode1'

CRS-2673: Attempting to stop 'ora.crsd' on 'racnode1'

CRS-2677: Stop of 'ora.crsd' on 'racnode1' succeeded

CRS-2673: Attempting to stop 'ora.storage' on 'racnode1'

CRS-2673: Attempting to stop 'ora.mdnsd' on 'racnode1'

CRS-2673: Attempting to stop 'ora.gpnpd' on 'racnode1'

CRS-2673: Attempting to stop 'ora.drivers.acfs' on 'racnode1'

CRS-2677: Stop of 'ora.storage' on 'racnode1' succeeded

CRS-2677: Stop of 'ora.drivers.acfs' on 'racnode1' succeeded

CRS-2673: Attempting to stop 'ora.crf' on 'racnode1'

CRS-2673: Attempting to stop 'ora.ctssd' on 'racnode1'

CRS-2673: Attempting to stop 'ora.evmd' on 'racnode1'

CRS-2673: Attempting to stop 'ora.asm' on 'racnode1'

CRS-2677: Stop of 'ora.mdnsd' on 'racnode1' succeeded

CRS-2677: Stop of 'ora.gpnpd' on 'racnode1' succeeded

CRS-2677: Stop of 'ora.crf' on 'racnode1' succeeded

CRS-2677: Stop of 'ora.ctssd' on 'racnode1' succeeded

CRS-2677: Stop of 'ora.evmd' on 'racnode1' succeeded

CRS-2677: Stop of 'ora.asm' on 'racnode1' succeeded

CRS-2673: Attempting to stop 'ora.cluster\_interconnect.haip' on 'racnode1'

CRS-2677: Stop of 'ora.cluster\_interconnect.haip' on 'racnode1' succeeded

CRS-2673: Attempting to stop 'ora.cssd' on 'racnode1'

CRS-2677: Stop of 'ora.cssd' on 'racnode1' succeeded

CRS-2673: Attempting to stop 'ora.gipcd' on 'racnode1'

CRS-2677: Stop of 'ora.gipcd' on 'racnode1' succeeded

CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'racnode1' has completed

CRS-4133: Oracle High Availability Services has been stopped.

CRS-4123: Starting Oracle High Availability Services-managed resources

CRS-2672: Attempting to start 'ora.mdnsd' on 'racnode1'

CRS-2672: Attempting to start 'ora.evmd' on 'racnode1'

CRS-2676: Start of 'ora.mdnsd' on 'racnode1' succeeded

CRS-2676: Start of 'ora.evmd' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.gpnpd' on 'racnode1'

CRS-2676: Start of 'ora.gpnpd' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.gipcd' on 'racnode1'

CRS-2676: Start of 'ora.gipcd' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.cssdmonitor' on 'racnode1'

CRS-2676: Start of 'ora.cssdmonitor' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.cssd' on 'racnode1'

CRS-2672: Attempting to start 'ora.diskmon' on 'racnode1'

CRS-2676: Start of 'ora.diskmon' on 'racnode1' succeeded

CRS-2676: Start of 'ora.cssd' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.cluster\_interconnect.haip' on 'racnode1'

CRS-2672: Attempting to start 'ora.ctssd' on 'racnode1'

CRS-2676: Start of 'ora.ctssd' on 'racnode1' succeeded

CRS-2676: Start of 'ora.cluster\_interconnect.haip' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.asm' on 'racnode1'

CRS-2676: Start of 'ora.asm' on 'racnode1' succeeded

CRS-2672: Attempting to start 'ora.storage' on 'racnode1'

CRS-2676: Start of 'ora.storage' on 'racnode1' succeeded  
CRS-2672: Attempting to start 'ora.crf' on 'racnode1'  
CRS-2676: Start of 'ora.crf' on 'racnode1' succeeded  
CRS-2672: Attempting to start 'ora.crsd' on 'racnode1'  
CRS-2676: Start of 'ora.crsd' on 'racnode1' succeeded  
CRS-6023: Starting Oracle Cluster Ready Services-managed resources  
CRS-6017: Processing resource auto-start for servers: racnode1  
CRS-6016: Resource auto-start has completed for server racnode1  
CRS-6024: Completed start of Oracle Cluster Ready Services-managed resources  
CRS-4123: Oracle High Availability Services has been started.  
2015/12/17 22:49:00 CLSRSC-343: Successfully started Oracle Clusterware stack

CRS-2672: Attempting to start 'ora.CRS.dg' on 'racnode1'  
CRS-2676: Start of 'ora.CRS.dg' on 'racnode1' succeeded  
2015/12/17 22:59:18 CLSRSC-325: Configure Oracle Grid Infrastructure for a Cluster ... succeeded

## **RACNODE2:**

```
[root@racnode2 ~]# cd /u01/app/12.1.0/grid  
[root@racnode2 grid]# ./root.sh  
Performing root user operation.
```

The following environment variables are set as:  
ORACLE\_OWNER= grid  
ORACLE\_HOME= /u01/app/12.1.0/grid

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.

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/12.1.0/grid/crs/install/crsconfig\_params  
2015/12/17 23:04:38 CLSRSC-4001: Installing Oracle Trace File Analyzer (TFA) Collector.

2015/12/17 23:05:06 CLSRSC-4002: Successfully installed Oracle Trace File Analyzer (TFA) Collector.

2015/12/17 23:05:07 CLSRSC-363: User ignored prerequisites during installation

OLR initialization - successful

2015/12/17 23:18:59 CLSRSC-330: Adding Clusterware entries to file 'oracle-ohasd.conf'

CRS-4133: Oracle High Availability Services has been stopped.  
CRS-4123: Oracle High Availability Services has been started.  
CRS-4133: Oracle High Availability Services has been stopped.  
CRS-4123: Oracle High Availability Services has been started.  
CRS-2791: Starting shutdown of Oracle High Availability Services-managed resources on 'racnode2'  
CRS-2673: Attempting to stop 'ora.drivers.acfs' on 'racnode2'  
CRS-2677: Stop of 'ora.drivers.acfs' on 'racnode2' succeeded  
CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'racnode2' has completed  
CRS-4133: Oracle High Availability Services has been stopped.  
CRS-4123: Starting Oracle High Availability Services-managed resources  
CRS-2672: Attempting to start 'ora.mdnsd' on 'racnode2'  
CRS-2672: Attempting to start 'ora.evmd' on 'racnode2'  
CRS-2676: Start of 'ora.mdnsd' on 'racnode2' succeeded  
CRS-2676: Start of 'ora.evmd' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.gpnpd' on 'racnode2'  
CRS-2676: Start of 'ora.gpnpd' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.gipcd' on 'racnode2'  
CRS-2676: Start of 'ora.gipcd' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.cssdmonitor' on 'racnode2'  
CRS-2676: Start of 'ora.cssdmonitor' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.cssd' on 'racnode2'  
CRS-2672: Attempting to start 'ora.diskmon' on 'racnode2'

CRS-2676: Start of 'ora.diskmon' on 'racnode2' succeeded  
CRS-2676: Start of 'ora.cssd' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.cluster\_interconnect.haip' on 'racnode2'  
CRS-2672: Attempting to start 'ora.ctssd' on 'racnode2'  
CRS-2676: Start of 'ora.ctssd' on 'racnode2' succeeded  
CRS-2676: Start of 'ora.cluster\_interconnect.haip' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.asm' on 'racnode2'  
CRS-2676: Start of 'ora.asm' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.storage' on 'racnode2'  
CRS-2676: Start of 'ora.storage' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.crf' on 'racnode2'  
CRS-2676: Start of 'ora.crf' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.crsd' on 'racnode2'  
CRS-2676: Start of 'ora.crsd' on 'racnode2' succeeded  
CRS-6017: Processing resource auto-start for servers: racnode2  
CRS-2672: Attempting to start 'ora.net1.network' on 'racnode2'  
CRS-2676: Start of 'ora.net1.network' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.ons' on 'racnode2'  
CRS-2676: Start of 'ora.ons' on 'racnode2' succeeded  
CRS-2673: Attempting to stop 'ora.LISTENER\_SCAN1.lsnr' on 'racnode1'  
CRS-2677: Stop of 'ora.LISTENER\_SCAN1.lsnr' on 'racnode1' succeeded  
CRS-2673: Attempting to stop 'ora.scan1.vip' on 'racnode1'  
CRS-2677: Stop of 'ora.scan1.vip' on 'racnode1' succeeded  
CRS-2672: Attempting to start 'ora.scan1.vip' on 'racnode2'  
CRS-2676: Start of 'ora.scan1.vip' on 'racnode2' succeeded  
CRS-2672: Attempting to start 'ora.LISTENER\_SCAN1.lsnr' on 'racnode2'  
CRS-2676: Start of 'ora.LISTENER\_SCAN1.lsnr' on 'racnode2' succeeded  
CRS-6016: Resource auto-start has completed for server racnode2  
CRS-6024: Completed start of Oracle Cluster Ready Services-managed resources  
CRS-4123: Oracle High Availability Services has been started.  
2015/12/17 23:25:27 CLSRSC-343: Successfully started Oracle Clusterware stack  
  
2015/12/17 23:26:17 CLSRSC-325: Configure Oracle Grid Infrastructure for a Cluster ... succeeded