```
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]:
   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.
Relinking oracle with rac_on option
Using configuration parameter file: /u01/app/12.1.0/grid/crs/install/crsconfig_params
2016/03/05 19:37:42 CLSRSC-4001: Installing Oracle Trace File Analyzer (TFA) Collector.

2016/03/05 19:38:32 CLSRSC-4002: Successfully installed Oracle Trace File Analyzer (TFA) Collector.

2016/03/05 19:38:33 CLSRSC-363: User ignored prerequisites during installation

OLR initialization - successful
2016/03/05 19:39:45 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 'racnode3'
CRS-2673: Attempting to stop 'ora.drivers.acfs' on 'racnode3'
CRS-2677: Stop of 'ora.drivers.acfs' on 'racnode3' succeeded
CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'racnode3' 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 'racnode3'
CRS-2672: Attempting to start 'ora.evmd' on 'racnode3'
CRS-2676: Start of 'ora.mdnsd' on 'racnode3' succeeded
CRS-2676: Start of 'ora.evmd' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.gpnpd' on 'racnode3'
CRS-2676: Start of 'ora.gpnpd' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.gipcd' on 'racnode3'
CRS-2676: Start of 'ora.gipcd' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.cssdmonitor' on 'racnode3'
CRS-2676: Start of 'ora.cssdmonitor' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.cssd' on 'racnode3'
CRS-2672: Attempting to start 'ora.diskmon' on 'racnode3'
CRS-2676: Start of 'ora.diskmon' on 'racnode3' succeeded
CRS-2676: Start of 'ora.cssd' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.cluster_interconnect.haip' on 'racnode3'
CRS-2672: Attempting to start 'ora.ctssd' on 'racnode3'
CRS-2676: Start of 'ora.ctssd' on 'racnode3' succeeded
CRS-2676: Start of 'ora.cluster_interconnect.haip' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.asm' on 'racnode3'
CRS-2676: Start of 'ora.asm' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.storage' on 'racnode3'
CRS-2676: Start of 'ora.storage' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.crf' on 'racnode3'
CRS-2676: Start of 'ora.crf' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.crsd' on 'racnode3'
CRS-2676: Start of 'ora.crsd' on 'racnode3' succeeded
CRS-6017: Processing resource auto-start for servers: racnode3
CRS-2673: Attempting to stop 'ora.LISTENER_SCAN2.lsnr' on 'racnode2'
CRS-2672: Attempting to start 'ora.net1.network' on 'racnode3'
CRS-2672: Attempting to start 'ora.FRA.dg' on 'racnode3'
CRS-2672: Attempting to start 'ora.DATA.dg' on 'racnode3'
```

```
CRS-2676: Start of 'ora.net1.network' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.ons' on 'racnode3'
CRS-2677: Stop of 'ora.LISTENER_SCAN2.lsnr' on 'racnode2' succeeded
CRS-2673: Attempting to stop 'ora.scan2.vip' on 'racnode2'
CRS-2676: Start of 'ora.FRA.dg' on 'racnode3' succeeded
CRS-2677: Stop of 'ora.scan2.vip' on 'racnode2' succeeded
CRS-2672: Attempting to start 'ora.scan2.vip' on 'racnode3'
CRS-2676: Start of 'ora.DATA.dg' on 'racnode3' succeeded
CRS-2676: Start of 'ora.ons' on 'racnode3' succeeded
CRS-2676: Start of 'ora.scan2.vip' on 'racnode3' succeeded
CRS-2672: Attempting to start 'ora.LISTENER_SCAN2.lsnr' on 'racnode3'
CRS-2676: Start of 'ora.LISTENER_SCAN2.lsnr' on 'racnode3' succeeded
CRS-6016: Resource auto-start has completed for server racnode3
CRS-6024: Completed start of Oracle Cluster Ready Services-managed resources
CRS-4123: Oracle High Availability Services has been started.
2016/03/05 19:43:48 CLSRSC-343: Successfully started Oracle Clusterware stack

clscfg: EXISTING configuration version 5 detected.
clscfg: version 5 is 12c Release 1.
Successfully accumulated necessary OCR keys.
Creating OCR keys for user 'root', privgrp 'root'..
Operation successful.
2016/03/05 19:44:12 CLSRSC-325: Configure Oracle Grid Infrastructure for a Cluster ... succeeded
```