Before proceeding with the downgrade identify the "ocr-node". OCR node an Oracle term for the node which created the backup of the OCR when the GI was upgraded. This is usually the node on which the first rootupgrade.sh was run during the upgrade. Look in the cdata folder inside GI HOME and locate the backup ocr of the form ocr*old\_version*.

[root@rac1 ~]# cd /u01/app/11.2.0.4/grid/cdata/

[root@rac1 cdata]# ll

total 266736

drwxr-xr-x 2 oracle oinstall 4096 Dec 17 20:37 localhost

-rw------- 1 root root 86975 Dec 17 20:54 ocr11.2.0.3.0

drwxr-xr-x 2 oracle oinstall 4096 Dec 17 20:55 rac1

-rw------- 1 root oinstall 272756736 Dec 17 21:14 rac1.olr

drwxrwxr-x 2 oracle oinstall 4096 Dec 17 20:38 rac-cluster

[root@rac1 cdata]#

[root@rac2 install]# ./rootcrs.pl -downgrade -force -oldcrshome /u01/app/11.2.0/grid -version 11.2.0.3.0

Using configuration parameter file: ./crsconfig\_params

CRS-2791: Starting shutdown of Oracle High Availability Services-managed resources on 'rac2'

CRS-2673: Attempting to stop 'ora.crsd' on 'rac2'

CRS-2790: Starting shutdown of Cluster Ready Services-managed resources on 'rac2'

CRS-2673: Attempting to stop 'ora.OCR.dg' on 'rac2'

CRS-2673: Attempting to stop 'ora.registry.acfs' on 'rac2'

CRS-2673: Attempting to stop 'ora.LISTENER\_SCAN1.lsnr' on 'rac2'

CRS-2673: Attempting to stop 'ora.LISTENER.lsnr' on 'rac2'

CRS-2673: Attempting to stop 'ora.oc4j' on 'rac2'

CRS-2677: Stop of 'ora.LISTENER.lsnr' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.rac2.vip' on 'rac2'

CRS-2677: Stop of 'ora.LISTENER\_SCAN1.lsnr' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.scan1.vip' on 'rac2'

CRS-2677: Stop of 'ora.rac2.vip' on 'rac2' succeeded

CRS-2672: Attempting to start 'ora.rac2.vip' on 'rac1'

CRS-2677: Stop of 'ora.registry.acfs' on 'rac2' succeeded

CRS-2677: Stop of 'ora.scan1.vip' on 'rac2' succeeded

CRS-2672: Attempting to start 'ora.scan1.vip' on 'rac1'

CRS-2676: Start of 'ora.rac2.vip' on 'rac1' succeeded

CRS-2676: Start of 'ora.scan1.vip' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.LISTENER\_SCAN1.lsnr' on 'rac1'

CRS-2676: Start of 'ora.LISTENER\_SCAN1.lsnr' on 'rac1' succeeded

CRS-2677: Stop of 'ora.OCR.dg' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.asm' on 'rac2'

CRS-2677: Stop of 'ora.oc4j' on 'rac2' succeeded

CRS-2672: Attempting to start 'ora.oc4j' on 'rac1'

CRS-2677: Stop of 'ora.asm' on 'rac2' succeeded

CRS-2676: Start of 'ora.oc4j' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.ons' on 'rac2'

CRS-2677: Stop of 'ora.ons' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.net1.network' on 'rac2'

CRS-2677: Stop of 'ora.net1.network' on 'rac2' succeeded

CRS-2792: Shutdown of Cluster Ready Services-managed resources on 'rac2' has completed

CRS-2677: Stop of 'ora.crsd' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.crf' on 'rac2'

CRS-2673: Attempting to stop 'ora.ctssd' on 'rac2'

CRS-2673: Attempting to stop 'ora.evmd' on 'rac2'

CRS-2673: Attempting to stop 'ora.asm' on 'rac2'

CRS-2673: Attempting to stop 'ora.drivers.acfs' on 'rac2'

CRS-2673: Attempting to stop 'ora.mdnsd' on 'rac2'

CRS-2677: Stop of 'ora.crf' on 'rac2' succeeded

CRS-2677: Stop of 'ora.evmd' on 'rac2' succeeded

CRS-2677: Stop of 'ora.mdnsd' on 'rac2' succeeded

CRS-2677: Stop of 'ora.asm' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.cluster\_interconnect.haip' on 'rac2'

CRS-2677: Stop of 'ora.ctssd' on 'rac2' succeeded

CRS-2677: Stop of 'ora.cluster\_interconnect.haip' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.cssd' on 'rac2'

CRS-2677: Stop of 'ora.cssd' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.gipcd' on 'rac2'

CRS-2677: Stop of 'ora.drivers.acfs' on 'rac2' succeeded

CRS-2677: Stop of 'ora.gipcd' on 'rac2' succeeded

CRS-2673: Attempting to stop 'ora.gpnpd' on 'rac2'

CRS-2677: Stop of 'ora.gpnpd' on 'rac2' succeeded

CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'rac2' has completed

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

Successfully downgraded Oracle Clusterware stack on this node

[root@rac2 install]#

[root@rac1 install]# pwd

/u01/app/11.2.0.4/grid/crs/install

[root@rac1 install]# ./rootcrs.pl -downgrade -force -lastnode -oldcrshome /u01/app/11.2.0/grid -version 11.2.0.3.0

Using configuration parameter file: ./crsconfig\_params

CRS-2791: Starting shutdown of Oracle High Availability Services-managed resources on 'rac1'

CRS-2673: Attempting to stop 'ora.crsd' on 'rac1'

CRS-2790: Starting shutdown of Cluster Ready Services-managed resources on 'rac1'

CRS-2673: Attempting to stop 'ora.rac2.vip' on 'rac1'

CRS-2673: Attempting to stop 'ora.LISTENER\_SCAN1.lsnr' on 'rac1'

CRS-2673: Attempting to stop 'ora.OCR.dg' on 'rac1'

CRS-2673: Attempting to stop 'ora.registry.acfs' on 'rac1'

CRS-2673: Attempting to stop 'ora.scan3.vip' on 'rac1'

CRS-2673: Attempting to stop 'ora.scan2.vip' on 'rac1'

CRS-2673: Attempting to stop 'ora.LISTENER.lsnr' on 'rac1'

CRS-2673: Attempting to stop 'ora.cvu' on 'rac1'

CRS-2673: Attempting to stop 'ora.oc4j' on 'rac1'

CRS-2677: Stop of 'ora.cvu' on 'rac1' succeeded

CRS-2677: Stop of 'ora.LISTENER\_SCAN1.lsnr' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.scan1.vip' on 'rac1'

CRS-2677: Stop of 'ora.LISTENER.lsnr' on 'rac1' succeeded

CRS-2677: Stop of 'ora.scan2.vip' on 'rac1' succeeded

CRS-2677: Stop of 'ora.registry.acfs' on 'rac1' succeeded

CRS-2677: Stop of 'ora.scan3.vip' on 'rac1' succeeded

CRS-2677: Stop of 'ora.rac2.vip' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.rac1.vip' on 'rac1'

CRS-2677: Stop of 'ora.rac1.vip' on 'rac1' succeeded

CRS-2677: Stop of 'ora.scan1.vip' on 'rac1' succeeded

CRS-2677: Stop of 'ora.oc4j' on 'rac1' succeeded

CRS-2677: Stop of 'ora.OCR.dg' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.asm' on 'rac1'

CRS-2677: Stop of 'ora.asm' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.ons' on 'rac1'

CRS-2677: Stop of 'ora.ons' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.net1.network' on 'rac1'

CRS-2677: Stop of 'ora.net1.network' on 'rac1' succeeded

CRS-2792: Shutdown of Cluster Ready Services-managed resources on 'rac1' has completed

CRS-2677: Stop of 'ora.crsd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.drivers.acfs' on 'rac1'

CRS-2673: Attempting to stop 'ora.ctssd' on 'rac1'

CRS-2673: Attempting to stop 'ora.evmd' on 'rac1'

CRS-2673: Attempting to stop 'ora.asm' on 'rac1'

CRS-2673: Attempting to stop 'ora.mdnsd' on 'rac1'

CRS-2677: Stop of 'ora.evmd' on 'rac1' succeeded

CRS-2677: Stop of 'ora.mdnsd' on 'rac1' succeeded

CRS-2677: Stop of 'ora.ctssd' on 'rac1' succeeded

CRS-2677: Stop of 'ora.asm' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.cluster\_interconnect.haip' on 'rac1'

CRS-2677: Stop of 'ora.cluster\_interconnect.haip' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.cssd' on 'rac1'

CRS-2677: Stop of 'ora.drivers.acfs' on 'rac1' succeeded

CRS-2677: Stop of 'ora.cssd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.crf' on 'rac1'

CRS-2677: Stop of 'ora.crf' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.gipcd' on 'rac1'

CRS-2677: Stop of 'ora.gipcd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.gpnpd' on 'rac1'

CRS-2677: Stop of 'ora.gpnpd' on 'rac1' succeeded

CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'rac1' has completed

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

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

CRS-2672: Attempting to start 'ora.mdnsd' on 'rac1'

CRS-2676: Start of 'ora.mdnsd' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.gpnpd' on 'rac1'

CRS-2676: Start of 'ora.gpnpd' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.cssdmonitor' on 'rac1'

CRS-2672: Attempting to start 'ora.gipcd' on 'rac1'

CRS-2676: Start of 'ora.cssdmonitor' on 'rac1' succeeded

CRS-2676: Start of 'ora.gipcd' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.cssd' on 'rac1'

CRS-2672: Attempting to start 'ora.diskmon' on 'rac1'

CRS-2676: Start of 'ora.diskmon' on 'rac1' succeeded

CRS-2676: Start of 'ora.cssd' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.drivers.acfs' on 'rac1'

CRS-2679: Attempting to clean 'ora.cluster\_interconnect.haip' on 'rac1'

CRS-2672: Attempting to start 'ora.ctssd' on 'rac1'

CRS-2681: Clean of 'ora.cluster\_interconnect.haip' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.cluster\_interconnect.haip' on 'rac1'

CRS-2676: Start of 'ora.drivers.acfs' on 'rac1' succeeded

CRS-2676: Start of 'ora.ctssd' on 'rac1' succeeded

CRS-2676: Start of 'ora.cluster\_interconnect.haip' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.asm' on 'rac1'

CRS-2676: Start of 'ora.asm' on 'rac1' succeeded

CRS-2791: Starting shutdown of Oracle High Availability Services-managed resources on 'rac1'

CRS-2673: Attempting to stop 'ora.ctssd' on 'rac1'

CRS-2673: Attempting to stop 'ora.asm' on 'rac1'

CRS-2673: Attempting to stop 'ora.drivers.acfs' on 'rac1'

CRS-2673: Attempting to stop 'ora.mdnsd' on 'rac1'

CRS-2677: Stop of 'ora.mdnsd' on 'rac1' succeeded

CRS-2677: Stop of 'ora.ctssd' on 'rac1' succeeded

CRS-2677: Stop of 'ora.asm' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.cluster\_interconnect.haip' on 'rac1'

CRS-2677: Stop of 'ora.cluster\_interconnect.haip' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.cssd' on 'rac1'

CRS-2677: Stop of 'ora.drivers.acfs' on 'rac1' succeeded

CRS-2677: Stop of 'ora.cssd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.gipcd' on 'rac1'

CRS-2677: Stop of 'ora.gipcd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.gpnpd' on 'rac1'

CRS-2677: Stop of 'ora.gpnpd' on 'rac1' succeeded

CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'rac1' has completed

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

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

CRS-2672: Attempting to start 'ora.mdnsd' on 'rac1'

CRS-2676: Start of 'ora.mdnsd' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.gpnpd' on 'rac1'

CRS-2676: Start of 'ora.gpnpd' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.cssdmonitor' on 'rac1'

CRS-2672: Attempting to start 'ora.gipcd' on 'rac1'

CRS-2676: Start of 'ora.cssdmonitor' on 'rac1' succeeded

CRS-2676: Start of 'ora.gipcd' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.cssd' on 'rac1'

CRS-2672: Attempting to start 'ora.diskmon' on 'rac1'

CRS-2676: Start of 'ora.diskmon' on 'rac1' succeeded

CRS-2676: Start of 'ora.cssd' on 'rac1' succeeded

CRS-2679: Attempting to clean 'ora.cluster\_interconnect.haip' on 'rac1'

CRS-2672: Attempting to start 'ora.ctssd' on 'rac1'

CRS-2681: Clean of 'ora.cluster\_interconnect.haip' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.cluster\_interconnect.haip' on 'rac1'

CRS-2676: Start of 'ora.ctssd' on 'rac1' succeeded

CRS-2676: Start of 'ora.cluster\_interconnect.haip' on 'rac1' succeeded

CRS-2672: Attempting to start 'ora.asm' on 'rac1'

CRS-2676: Start of 'ora.asm' on 'rac1' succeeded

Successfully downgraded OCR to 11.2.0.3.0

CRS-2672: Attempting to start 'ora.crsd' on 'rac1'

CRS-2676: Start of 'ora.crsd' on 'rac1' succeeded

CRS-2791: Starting shutdown of Oracle High Availability Services-managed resources on 'rac1'

CRS-2673: Attempting to stop 'ora.crsd' on 'rac1'

CRS-2677: Stop of 'ora.crsd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.mdnsd' on 'rac1'

CRS-2673: Attempting to stop 'ora.ctssd' on 'rac1'

CRS-2673: Attempting to stop 'ora.asm' on 'rac1'

CRS-2677: Stop of 'ora.mdnsd' on 'rac1' succeeded

CRS-2677: Stop of 'ora.asm' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.cluster\_interconnect.haip' on 'rac1'

CRS-2677: Stop of 'ora.cluster\_interconnect.haip' on 'rac1' succeeded

CRS-2677: Stop of 'ora.ctssd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.cssd' on 'rac1'

CRS-2677: Stop of 'ora.cssd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.gipcd' on 'rac1'

CRS-2677: Stop of 'ora.gipcd' on 'rac1' succeeded

CRS-2673: Attempting to stop 'ora.gpnpd' on 'rac1'

CRS-2677: Stop of 'ora.gpnpd' on 'rac1' succeeded

CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'rac1' has completed

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

Successfully downgraded Oracle Clusterware stack on this node

Run '/u01/app/11.2.0/grid/bin/crsctl start crs' on all nodes

[root@rac1 install]#

Remove below entry from /etc/inittab (All the nodes)

htfa:35:respawn:/etc/init.d/init.tfa run >/dev/null 2>&1 </dev/null

cat /etc/oratab

+ASM1:/u01/app/11.2.0/grid:N # line added by Agent

[root@rac1 ~]# . oraenv

ORACLE\_SID = [+ASM1] ?

The Oracle base remains unchanged with value /u01/app/oracle

[root@rac1 ~]#

[root@rac1 ~]# crsctl start crs

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

[root@rac1 ~]#

[root@rac1 ~]# crsctl check crs

CRS-4638: Oracle High Availability Services is online

CRS-4537: Cluster Ready Services is online

CRS-4529: Cluster Synchronization Services is online

CRS-4533: Event Manager is online

[root@rac1 ~]#

Add below entry to /etc/oratab

+ASM2:/u01/app/11.2.0/grid:N

[root@rac2 ~]# . oraenv

ORACLE\_SID = [root] ? +ASM2

The Oracle base has been set to /u01/app/oracle

[root@rac2 ~]# crsctl start crs

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

[root@rac2 ~]#

[root@rac2 ~]# crsctl check crs

CRS-4638: Oracle High Availability Services is online

CRS-4537: Cluster Ready Services is online

CRS-4529: Cluster Synchronization Services is online

CRS-4533: Event Manager is online

[root@rac2 ~]#

[root@rac2 ~]# crsctl query crs activeversion

Oracle Clusterware active version on the cluster is [11.2.0.3.0]

[root@rac2 ~]# crsctl query crs softwareversion

Oracle Clusterware version on node [rac2] is [11.2.0.3.0]

[root@rac2 ~]#