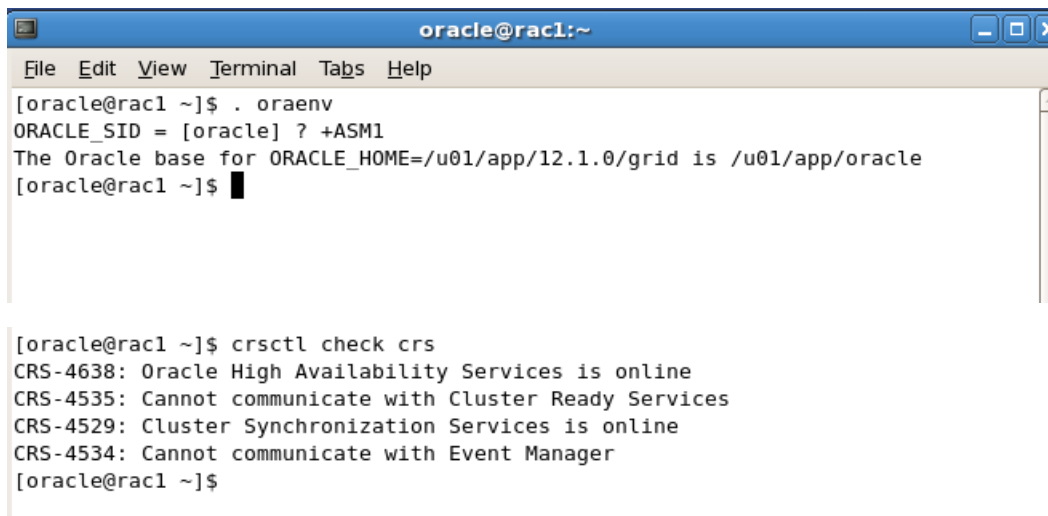


# Oracle 12c RAC

## Lab Module 6

Module 6 Lab: Use CRSCTL/OCRCHECK

- 1) User crsctl to check the status of CRS
  - a. On ol7-122-rac1
  - b. \$. oraenv
  - c. +ASM1
  - d. \$ crsctl check crs



```
oracle@rac1:~  
File Edit View Terminal Tabs Help  
[oracle@rac1 ~]$ . oraenv  
ORACLE_SID = [oracle] ? +ASM1  
The Oracle base for ORACLE_HOME=/u01/app/12.1.0/grid is /u01/app/oracle  
[oracle@rac1 ~]$  
  
[oracle@rac1 ~]$ crsctl check crs  
CRS-4638: Oracle High Availability Services is online  
CRS-4535: Cannot communicate with Cluster Ready Services  
CRS-4529: Cluster Synchronization Services is online  
CRS-4534: Cannot communicate with Event Manager  
[oracle@rac1 ~]$
```

- 2) Check the status of all the RAC resources.
  - a. crsctl stat res

```

[oracle@rac1 ~]$ crsctl stat res
NAME=ora.DATA.dg
TYPE=ora.diskgroup.type
TARGET=ONLINE          , ONLINE
STATE=ONLINE on rac1, ONLINE on rac2

NAME=ora.FRA.dg
TYPE=ora.diskgroup.type
TARGET=ONLINE          , ONLINE
STATE=ONLINE on rac1, ONLINE on rac2

NAME=ora.LISTENER.lsnr
TYPE=ora.listener.type
TARGET=ONLINE          , ONLINE
STATE=ONLINE on rac1, ONLINE on rac2

NAME=ora.LISTENER_SCAN1.lsnr
TYPE=ora.scan_listener.type
TARGET=ONLINE
STATE=ONLINE on rac1

NAME=ora.MGMTLSNR
TYPE=ora.mgmtlsnr.type
TARGET=ONLINE

```

3) Find the location of the voting disk

a. crsctl query css votedisk

```

[oracle@rac1 ~]$
[oracle@rac1 ~]$ crsctl query css votedisk
##  STATE      File Universal Id                        File Name Disk group
--  -
  1.  ONLINE    7ca2d09133404f5bbfb5da3446dbbd43  (ORCL:DISK1) [RAC]
Located 1 voting disk(s).
[oracle@rac1 ~]$ █

```

4) Display the options for crsctl

a. crsctl -h

```

[oracle@rac1 ~]$ crsctl -h
Usage: crsctl add      - add a resource, type or other entity
      crsctl check    - check the state or operating status of a service, resource, or other entity
      crsctl config    - display automatic startup configuration
      crsctl debug     - display or modify debug state
      crsctl delete    - delete a resource, type or other entity
      crsctl disable  - disable automatic startup
      crsctl discover  - discover DHCP server
      crsctl enable    - enable automatic startup
      crsctl eval      - evaluate operations on resource or other entity without performing them
      crsctl get       - get an entity value
      crsctl getperm   - get entity permissions
      crsctl lsmodules - list debug modules
      crsctl modify    - modify a resource, type or other entity
      crsctl query     - query service state
      crsctl pin       - make the leases of specified nodes immutable

```

- 5) Show the configuration of crs. This must be performed as the root account.
  - a. `. grid_env` # Run as oracle user
  - b. `su` # Enter the root password: fenago
  - c. `crsctl config crs`

```

[oracle@rac1 ~]$ su -
Password:
[root@rac1 ~]# . oraenv
ORACLE_SID = [root] ? +ASM1
The Oracle base for ORACLE_HOME=/u01/app/12.1.0/grid is /u01/app/oracle
[root@rac1 ~]# crsctl config crs
CRS-4622: Oracle High Availability Services autostart is enabled.
[root@rac1 ~]#

```

- 6) Check the location of the OCR disk
  - a.) `ocrcheck`

```

[root@rac1 ~]# ocrcheck
Status of Oracle Cluster Registry is as follows :
    Version             :             4
    Total space (kbytes) :      409568
    Used space (kbytes)  :        1500
    Available space (kbytes) :    408068
    ID                   :    1441225884
    Device/File Name     :      +RAC
                           Device/File integrity check succeeded

                           Device/File not configured

                           Device/File not configured

                           Device/File not configured

                           Device/File not configured

    Cluster registry integrity check succeeded

    Logical corruption check succeeded

[root@rac1 ~]#

```

- b. Check the location of the local ocr disk
- c. ocrcheck -local

```

[root@rac1 ~]# ocrcheck -local
Status of Oracle Local Registry is as follows :
    Version             :             4
    Total space (kbytes) :      409568
    Used space (kbytes)  :         788
    Available space (kbytes) :    408780
    ID                   :    969149363
    Device/File Name     : /u01/app/12.1.0/grid/cdata/rac1.olr
                           Device/File integrity check succeeded

    Local registry integrity check succeeded

    Logical corruption check succeeded

[root@rac1 ~]# █

```