A

Administring RAC using

① To know the configuration of DataBase

```
$ srvctl config database -d hrms
```

dbname

② To chk the status of database instance

```
$ srvctl status database -d hrms
```

③ To stop the cluster database

option

```
$ srvctl stop database -d hrms -o transactional
$ srvctl stop database -d hrms -o immediate
$ srvctl stop database -d hrms -o abort.
```

→ To mount a db

```
$ srvctl start database -d hrms -o mount
```

④ To chk the status of a specific instance

```
$ srvctl status instance -i hrms1 -d hrms
```

options : start
stop

⑤ To chk the status of ASM

node name

```
$ srvctl status asm -n lnx01
```

⇒ $ srvctl status asm ⇒ 11gR2

⑥ To chk the status of nodeapps

```
$ srvctl status nodeapps -n lnx01
```

options : start
stop

→ To disable a database

```
$ srvctl disable database -d hrms
```

enable

⇒ To register a database with the cluster

```
$ srvctl add database -d hrms -o $ORACLE_HOME
```

↓

```
$ srvctl add instance -i hrms1 -d hrms -n lnx03
```

To stop the listener

```
$ srvctl stop listener -n lnx01
```

options : start
stop

To chk the status of all services of a database

```
                          ↗ database name
$ srvctl status service -d hms
```

options : start
stop

To create a service

```
                      ↗ service name  ↗ database name  ↗ preferred instance
$ srvctl add service -s test       -d hms           -i hms1
      ↗ available instance  ↗ TAF policy parameter.
   -a hms2             -P basic .
```

TAF → Transparent Application Failover

To chk the status of a specific service

```
$ srvctl status service -s test -d hms
```

options : start
stop

To register a database with the cluster

```
$ srvctl add database -d hms -o $ORACLE_HOME
```

To register an instance

```
$ srvctl add instance -i hms1 -d hms -n lnx01
```

→ To remove a database from the cluster

```
$ srvctl remove database -d hims
```

11g Rel2

→ To know the configuration of scan

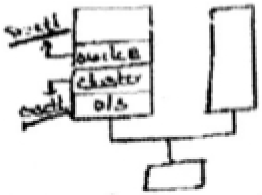
```
$ srvctl status scan
```

→ To know the status of scan listener

```
$ srvctl status scan_listener
```

options : start
stop

Administering cluster using crsctl



→ To check the status of cluster

```
$ crsctl check crs
```
⇒ It'll show the deamons of the cluster

→ To stop the cluster

NOTE :- Inorder to start or stop the cluster we require root privilages.
In the industry we use pseudo

```
#cd /etc/init.d
#./initcrs.stop
```
(or)
```
#cd $ORA_CRS_HOME/bin
#./crsctl stop crs
```

To start the cluster

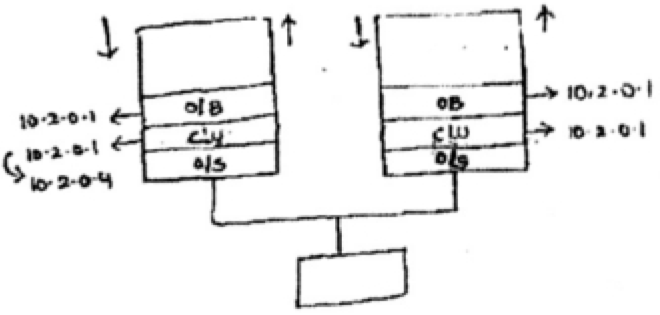
```
# cd /etc/init.d
# ./initcrs.start
```
(or)
```
# cd $ORA_CRS_HOME/bin
# ./~~init.~~crsctl start crs
```

NOTE :- In 11g Rel2, we can start the cluster, stop the cluster and check the status of the cluster in all the nodes in a single command.

```
$ crsctl check cluster -all
#crsctl stop cluster -all
#crsctl status cluster -all
#crsctl start cluster -all
```

→ To know the version of the cluster.

```
$ crsctl query crs softwareversion
(or)
$ crsctl query crs activeversion
```



→ To know the location of voting disk

```
$crsctl query css votedisk
```

→ To know the location of OCR file & to check the integrity of OCR

```
$ ocrcheck
```

→ To dump the content of ocr into a text file

```
$ ocrdump
```

→ To know the no. of nodes participating in cluster

```
$ olsnodes
```

→ To Know the Location of OLR.

```
$ ocrcheck -local
```

→ To check the status of has & dependencies

```
$ crsctl status has
$ crsctl stop has
```

→ To disable/enable the cluster

```
$crsctl disable crs
$ crsctl enable crs
```

→ To know the status of all resources that are registered in the cluster

```
$crs_stat -t ⇒ deprecated in 11gR2
               $crsctl status resource -t
```

→ To know the default backup location of OCR file

```
$ ocrconfig -showbackup
```

→ To take the backup of OCR manually

```
$ ocrconfig -export /opt/ocr.bkp
```

→ To know the entire information about the cluster

```
$cd $ORA_CRS_HOME/install
$ cat paramfile.crs
```

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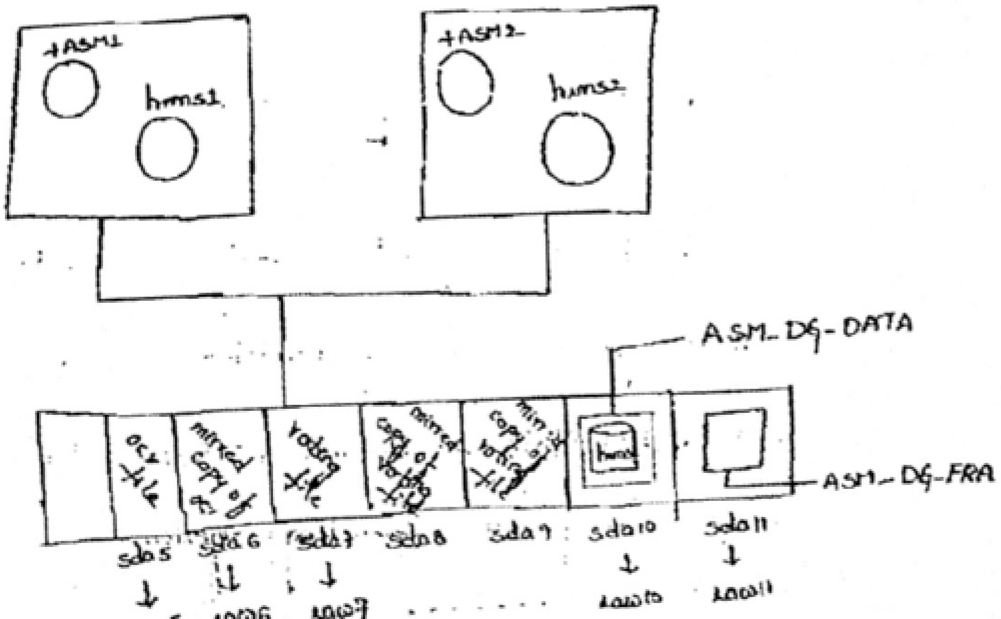
Implementation of 10g Rel2 RAC on RHEL AS 4 update8 (2.6.9-89.ELsmp) using OCFS2 and ASM devices

↗ kernel version



+ASM1
hrms1
+ASM2
hrms2
ocr file
mirred copy of ocr
voting file
mirred copy of voting file
mirr copy of voting file
hrms
ASM-DG-DATA
ASM-DG-FRA
sda5
sda6
sda7
sda8
sda9
sda10
sda11
raw5
raw6
raw7
raw10
raw11