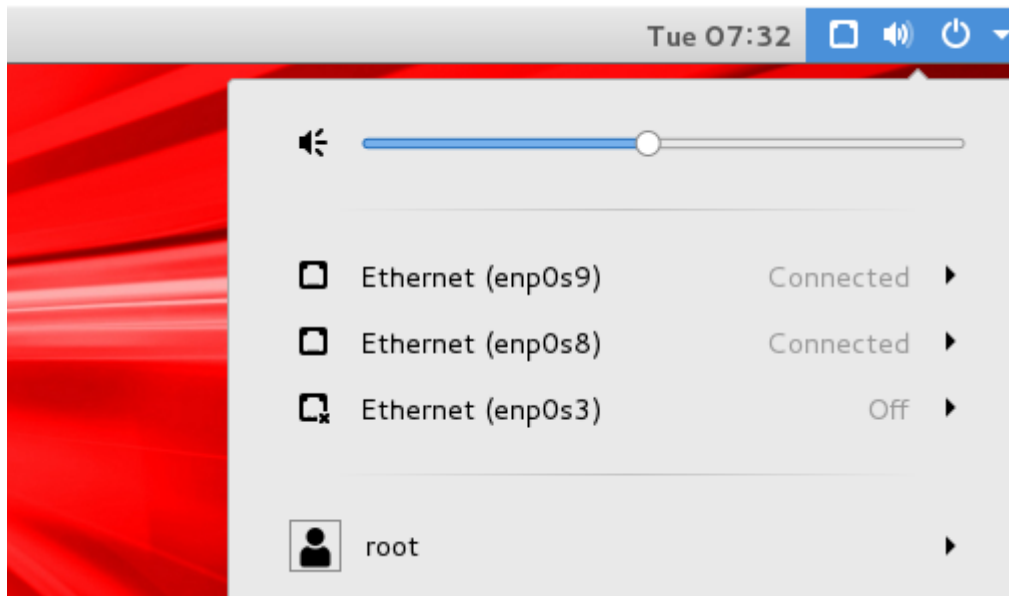


Start RAC Database

Note: Make sure to turn off enp0s3 and Connect enp0s8 and enp0s9 on both machines before proceeding:

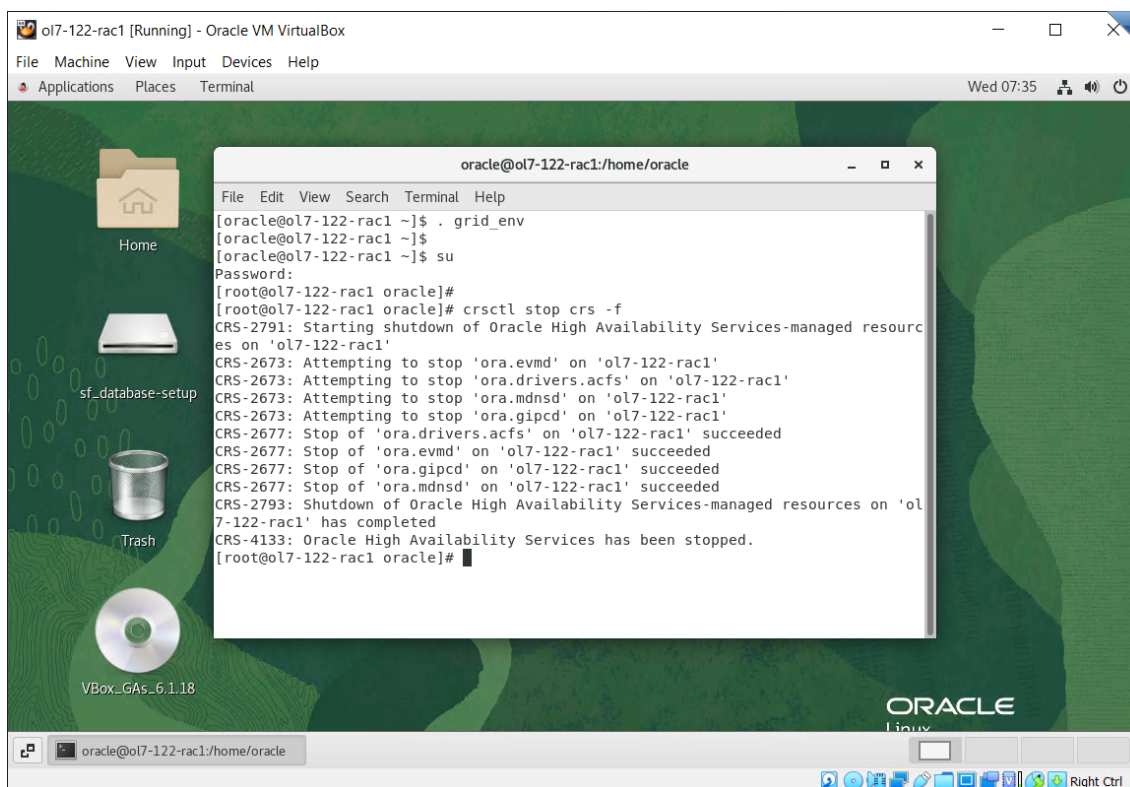


Connect to Node 1

Login as oracle user:

```
su - oracle
. grid_env
su
crsctl stop crs -f
crsctl start crs

crsctl check cluster -all
```

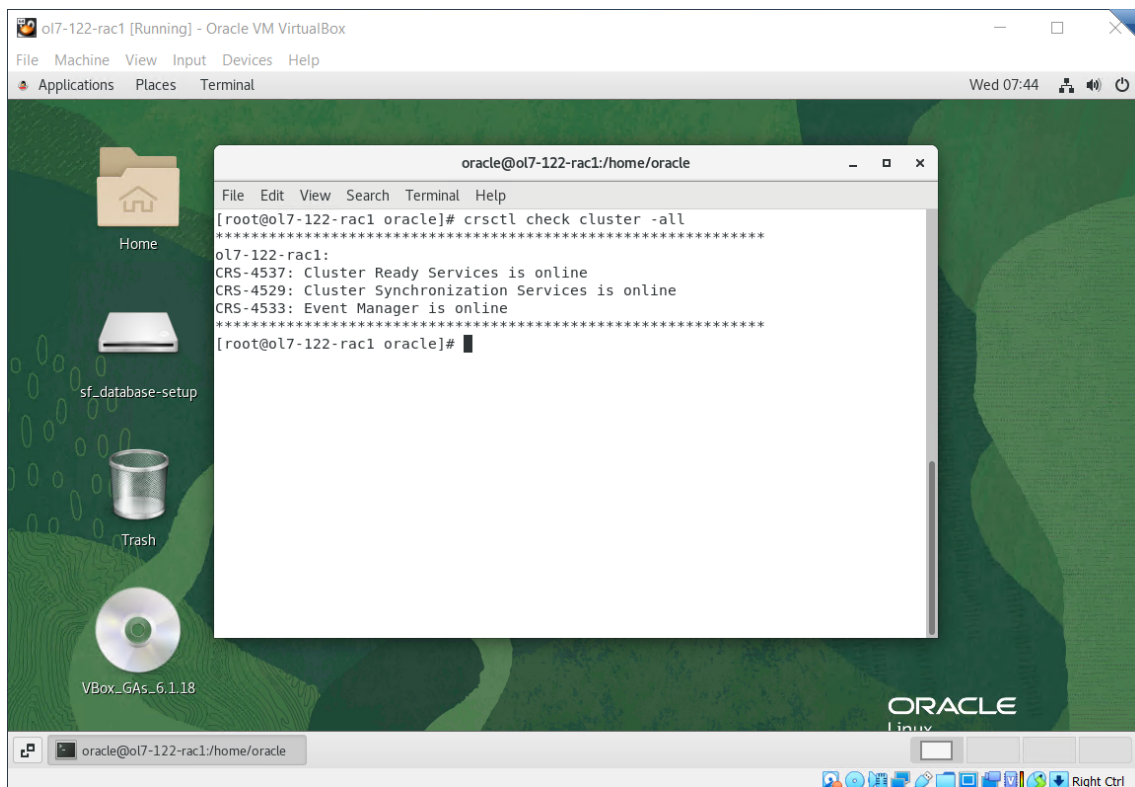


Run command:

```
crsctl check cluster -all
```

You will see "CRS-4639: Could not contact Oracle High Availability Services" or "CRS-4535: Cannot communicate with Cluster Ready Services" messages. Wait 5 minutes and then again check with "crsctl check cluster -all" command. This time Database administrator will get "CRS-4537: Cluster Ready Services is online".

Run again after 4-5 minutes: `crsctl check cluster -all`



Connect to Node 2

Login as oracle user:

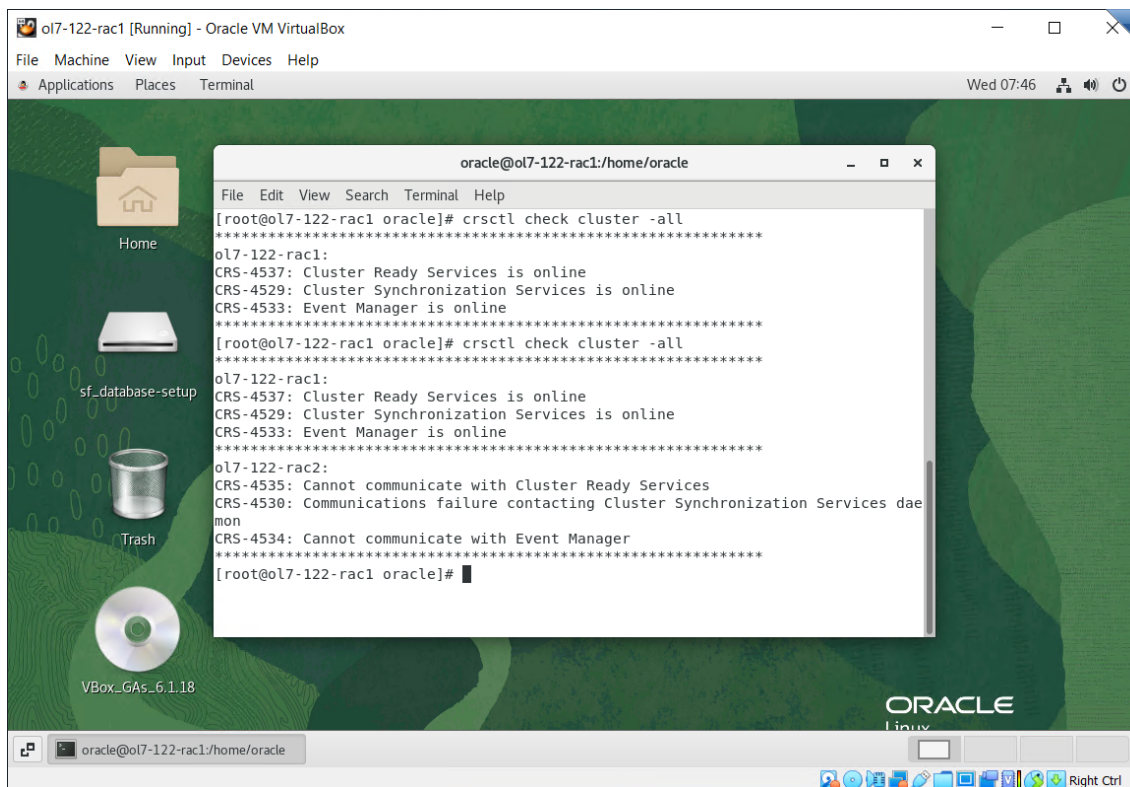
```
. grid_env
su
crsctl stop crs -f
crsctl start crs
```

The screenshot shows a terminal window titled "ol7-122-rac2 [Running] - Oracle VM VirtualBox". The terminal session is as follows:

```
oracle@ol7-122-rac2:/home/oracle
File Edit View Search Terminal Help
[oracle@ol7-122-rac2 ~]$ . grid_env
[oracle@ol7-122-rac2 ~]$
[oracle@ol7-122-rac2 ~]$
[oracle@ol7-122-rac2 ~]$ su
Password:
[root@ol7-122-rac2 oracle]#
[root@ol7-122-rac2 oracle]# crsctl stop crs -f
CRS-2791: Starting shutdown of Oracle High Availability Services-managed resources on '
ol7-122-rac2'
CRS-2673: Attempting to stop 'ora.mdnscd' on 'ol7-122-rac2'
CRS-2673: Attempting to stop 'ora.gipcd' on 'ol7-122-rac2'
CRS-2673: Attempting to stop 'ora.evmd' on 'ol7-122-rac2'
CRS-2673: Attempting to stop 'ora.drivers.acfs' on 'ol7-122-rac2'
CRS-2677: Stop of 'ora.drivers.acfs' on 'ol7-122-rac2' succeeded
CRS-2677: Stop of 'ora.gipcd' on 'ol7-122-rac2' succeeded
CRS-2677: Stop of 'ora.evmd' on 'ol7-122-rac2' succeeded
CRS-2677: Stop of 'ora.mdnscd' on 'ol7-122-rac2' succeeded
CRS-2793: Shutdown of Oracle High Availability Services-managed resources on 'ol7-122-r
ac2' has completed
CRS-4133: Oracle High Availability Services has been stopped.
[root@ol7-122-rac2 oracle]#
```

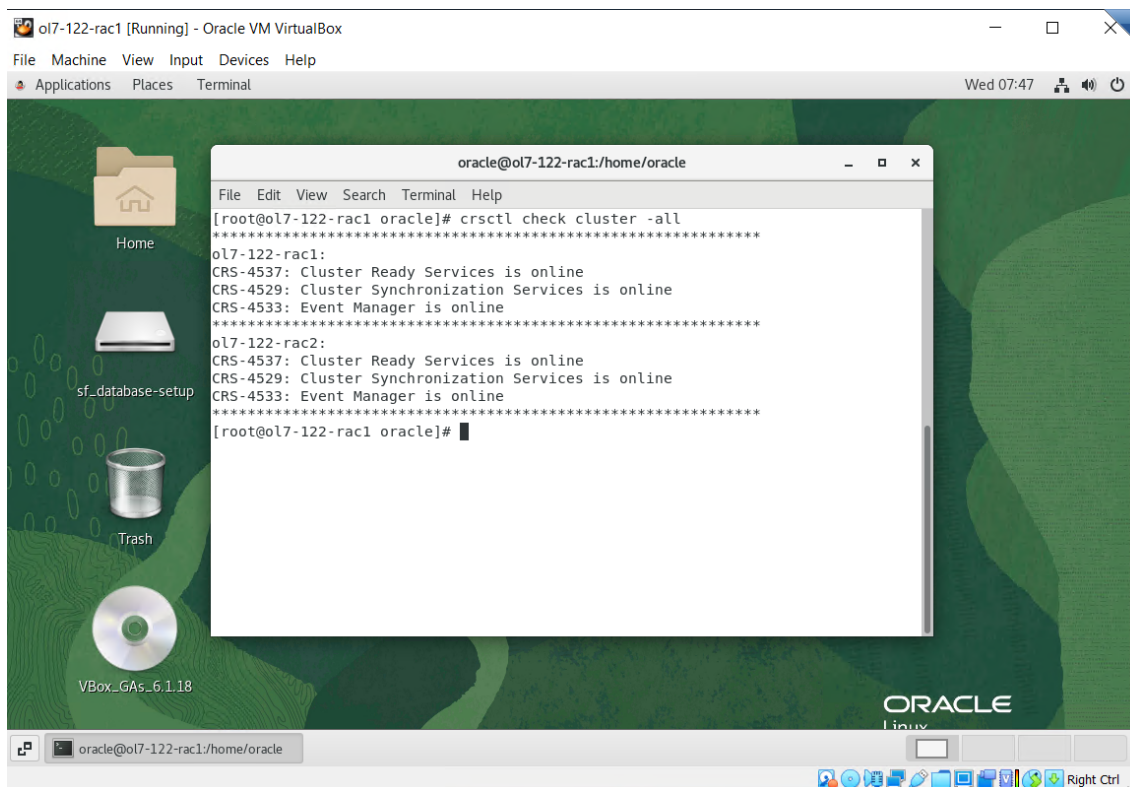
The terminal window includes a menu bar (File, Edit, View, Search, Terminal, Help), a title bar (ol7-122-rac2 [Running] - Oracle VM VirtualBox), and a status bar (1 / 4, Right Ctrl).

Terminal Node 1



Wait for processes to Node 2 and run following command on both nodes after few minutes:

```
# wait 4-5 minutes
crsctl check cluster -all
```



The RAC database startup is now complete.

Check the Status of the RAC

There are several ways to check the status of the RAC. The `srvctl` utility shows the current configuration and status of the RAC database.

```
$ srvctl config database -d cdbrac
Database unique name: cdbrac
Database name: cdbrac
Oracle home: /u01/app/oracle/product/12.2.0.1/db_1
Oracle user: oracle
Spfile: +DATA/CDBRAC/PARAMETERFILE/spfile.306.938083453
Password file: +DATA/CDBRAC/PASSWORD/pwdcdbrac.285.938081999
Domain:
Start options: open
Stop options: immediate
Database role: PRIMARY
Management policy: AUTOMATIC
Server pools:
Disk Groups: DATA
Mount point paths:
Services:
Type: RAC
Start concurrency:
Stop concurrency:
OSDBA group: dba
```

```

OSOPER group:
Database instances: cdbrac1,cdbrac2
Configured nodes: ol7-122-rac1,ol7-122-rac2
CSS critical: no
CPU count: 0
Memory target: 0
Maximum memory: 0
Default network number for database services:
Database is administrator managed
$

$ srvctl status database -d cdbrac
Instance cdbrac1 is running on node ol7-122-rac1
Instance cdbrac2 is running on node ol7-122-rac2
$

```

The `V$ACTIVE_INSTANCES` view can also display the current status of the instances.

```

$ . db_env
$ sqlplus / as sysdba

SQL*Plus: Release 12.2.0.1.0 Production on Wed Mar 8 11:04:42 2017

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Connected to:
Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 - 64bit Production

SQL> SELECT inst_name FROM v$active_instances;

INST_NAME
-----
ol7-122-rac1.localdomain:cdbrac1
ol7-122-rac2.localdomain:cdbrac2

SQL>

```