

Oracle 12c RAC

Lab Module 5

Module 5 Lab: Diagnosis RAC

- 1) This lab will review the rac specific log files.
- 2) Perform a crsctl command to determine RAC availability
 - a. \$. oraenv
 - b. +ASM1
 - c. crsctl stat res -t

```
[oracle@rac1 trace]$ . oraenv
ORACLE_SID = [orcl_cdb] ? +ASM1
The Oracle base for ORACLE_HOME=/u01/app/12.1.0/grid is /u01/app/oracle
[oracle@rac1 trace]$ crsctl stat res -t
```

Name	Target	State	Server	State details
Local Resources				
ora.DATA.dg	ONLINE	ONLINE	rac1	STABLE
	ONLINE	ONLINE	rac2	STABLE
ora.FRA.dg	ONLINE	ONLINE	rac1	STABLE
	ONLINE	ONLINE	rac2	STABLE
ora.LISTENER.lsnr	ONLINE	ONLINE	rac1	STABLE
	ONLINE	ONLINE	rac2	STABLE
ora.RAC.dg	ONLINE	ONLINE	rac1	STABLE
	ONLINE	ONLINE	rac2	STABLE
ora.asm	ONLINE	ONLINE	rac1	Started,STABLE

- 3) Perform a srvctl command to determine the availability of node apps
 - a. srvctl status nodeapps

```
oracle@rac1:/u01/app/oracle/diag/rdbms/orcl_cdb/orclcdb1/trace
File Edit View Terminal Tabs Help
[oracle@rac1 trace]$ srvctl status nodeapps
VIP rac1-vip.localdomain is enabled
VIP rac1-vip.localdomain is running on node: rac1
VIP rac2-vip.localdomain is enabled
VIP rac2-vip.localdomain is running on node: rac2
Network is enabled
Network is running on node: rac1
Network is running on node: rac2
ONS is enabled
ONS daemon is running on node: rac1
ONS daemon is running on node: rac2
[oracle@rac1 trace]$
```

4) Navigate to the ADR to view the RAC log files.

```
[oracle@rac1 trace]$ cd $ORACLE_BASE/diag
[oracle@rac1 diag]$ ls
afdbboot asm clients diagtool em ios netcman plsqlapp tnslnsr
apx asmtool crs dps gsm lsnrctl ofm rdbms
[oracle@rac1 diag]$ █

[oracle@rac1 trace]$ pwd
/u01/app/oracle/diag/crs/rac1/crs/trace
[oracle@rac1 trace]$ ls -ltr *.log
-rw-rw---- 1 root dba 40701 Apr 10 13:00 alert.log
[oracle@rac1 trace]$ █
```

5) Review the alert.log file for the crs on rac1, then review the same file on ol7-122-rac2

```
oracle@rac1:/u01/app/oracle/diag/crs/rac1/crs/trace
File Edit View Terminal Tabs Help
2015-04-09 18:28:51.759 [OCRCONFIG(13543)]CRS-2101: The OLR was formatted using version 4.
2015-04-09 18:29:44.053 [OHASD(14523)]CRS-8500: Oracle Clusterware OHASD process is starting with o
perating system process ID 14523
2015-04-09 18:29:44.056 [OHASD(14523)]CRS-0714: Oracle Clusterware Release 12.1.0.2.0.
2015-04-09 18:29:44.088 [OHASD(14523)]CRS-2112: The OLR service started on node rac1.
2015-04-09 18:29:44.145 [OHASD(14523)]CRS-1301: Oracle High Availability Service started on node ra
c1.
2015-04-09 18:29:51.381 [CLSECHO(14745)]CRS-10001: 09-Apr-15 18:29 OKA-9201: Not Supported
2015-04-09 18:29:51.467 [CLSECHO(14755)]CRS-10001: 09-Apr-15 18:29 OKA-9201: Not Supported
2015-04-09 18:29:53.943 [CLSECHO(14917)]CRS-10001: 09-Apr-15 18:29 ACFS-9200: Supported
2015-04-09 18:30:06.315 [OHASD(15015)]CRS-8500: Oracle Clusterware OHASD process is starting with o
perating system process ID 15015
2015-04-09 18:30:06.316 [OHASD(15015)]CRS-0714: Oracle Clusterware Release 12.1.0.2.0.
2015-04-09 18:30:06.339 [OHASD(15015)]CRS-2112: The OLR service started on node rac1.
2015-04-09 18:30:06.350 [OHASD(15015)]CRS-1301: Oracle High Availability Service started on node ra
c1.
2015-04-09 18:30:06.885 [CSSDAGENT(15124)]CRS-8500: Oracle Clusterware CSSDAGENT process is startin
g with operating system process ID 15124
2015-04-09 18:30:06.929 [CSSDMONITOR(15126)]CRS-8500: Oracle Clusterware CSSDMONITOR process is sta
rting with operating system process ID 15126
2015-04-09 18:30:08.346 [ORAAGENT(15121)]CRS-8500: Oracle Clusterware ORAAGENT process is starting
with operating system process ID 15121
2015-04-09 18:30:09.049 [ORAROOTAGENT(15117)]CRS-8500: Oracle Clusterware ORAROOTAGENT process is s
tarting with operating system process ID 15117
2015-04-09 18:30:11.723 [CLSECHO(15344)]CRS-10001: 09-Apr-15 18:30 ACFS-9200: Supported
2015-04-09 18:30:12.082 [CLSECHO(15493)]CRS-10001: 09-Apr-15 18:30 ACFS-9200: Supported
2015-04-09 18:30:12.804 [CLSECHO(15672)]CRS-10001: 09-Apr-15 18:30 ACFS-9300: ADVN/ACFS distributio
n files found.
@
"alert.log" 346L, 40701C 1,1 Top
```

6) Review the GRID_HOME/log/ol7-122-rac(1,2) directories for each server respectively. Review the files to determine contents of the files. Notice the files exist with no information.

```
oracle@rac1:/u01/app/12.1.0/grid/log/rac1
File Edit View Terminal Tabs Help
[oracle@rac1 rac1]$ ls
acfs afd client crfmond cssd diskmon gipcd gpnpd ohasd srvm
admin alertrac1.log crflogd crsd ctssd evmd gnsd mdnsd racg xag
[oracle@rac1 rac1]$ pwd
/u01/app/12.1.0/grid/log/rac1
[oracle@rac1 rac1]$
```

Task

Check log files in all folders inside log/logs directories above and find any reported errors and their reason.