

Oracle 12c RAC

Lab Module 2

Module 02 Lab: Using SRVCTL

Prerequisite:

Edit the "/home/oracle/db_env" and "/home/oracle/grid_env" file on the "ol7-122-rac2" node to use the correct the ORACLE_SID and ORACLE_HOSTNAME values:

```
export ORACLE_SID=cdbrac2
```

```
export ORACLE_HOSTNAME=ol7-122-rac2.localdomain
```

1. Status commands

Verify that cluster is up and running. DBA can also use "**ps -ef | grep d.bin**" to check cluster status.

- 1) Set the environment to the database home
 - a. . grid_env
 - b. su # switch to root user
- 2) Use srvctl to check the status of the database
 - a. srvctl status database -d cdbrac
- 3) Use srvctl to check the status of ASM
 - a. srvctl status asm
- 4) Use srvctl to check the status of the instance on ol7-122-rac2
 - a. srvctl status instance -d cdbrac -i orclcdb2
- 5) Check the configuration of the database
 - a. srvctl config database -d cdbrac
- 6) Check the status of the node applications
 - a. srvctl status nodeapps
Check the status of nodeapps on ol7-122-rac2
 - b. srvctl status nodeapps -n ol7-122-rac2

Note: All of the services below while be running if you have running cluster, you can also check with status commad before running start commands.

2. Start Node applications running on nodes:

To start node applications running on a node, enter the following command, where node is the name of the node where the applications are running

```
[grid@ol7-122-rac1 bin]$ srvctl start nodeapps -n ol7-122-rac1
```

```
[grid@ol7-122-rac1 bin]$ srvctl status nodeapps -n ol7-122-rac1
```

VIP ol7-122-rac1-vip is enabled

VIP ol7-122-rac1-vip is running on node: ol7-122-rac1

Network is enabled

Network is running on node: ol7-122-rac1

GSD is disabled

GSD is not running on node: ol7-122-rac1

ONS is enabled

ONS daemon is running on node: ol7-122-rac1

DBA has to execute this command for each node to start Real Application Clusters Cluster database.

3. Start All ASM instances from all nodes:

Next DBA has to start all ASM instances which are used to access database, enter the following command, where node is the name of the node where the ASM instance has to start.

```
[grid@ol7-122-rac1 bin]$ srvctl start asm -n ol7-122-rac1
```

```
[grid@ol7-122-rac1 bin]$ srvctl status asm -n ol7-122-rac1
```

ASM is running on ol7-122-rac1

DBA has to start ASM instance on all database nodes.

4. Start RAC Database Instances on all nodes:

Now, We will start database instances on database nodes to access data.

```
[grid@ol7-122-rac1 bin]$ srvctl start database -d cdbrac
```

```
[grid@ol7-122-rac1 bin]$ srvctl status database -d cdbrac
```

Instance cdbrac1 is running on node ol7-122-rac1

Instance cdbrac2 is running on node ol7-122-rac2

Now database is up and running on both DB nodes.

5. Start Oracle Home process accessing database:

let's start listener to allow users to connect to the database.

```
[grid@ol7-122-rac1 bin]$ srvctl start listener -n ol7-122-rac1
```

```
[grid@ol7-122-rac1 bin]$ srvctl status listener -n ol7-122-rac1
```

Listener LISTENER is enabled on node(s): ol7-122-rac1

Listener LISTENER is running on node(s): ol7-122-rac1

Task

Run all of the above commands for ol7-122-rac2 and verify output.