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Vendor:Oracle

Exam Code:1Z0-593

Exam Name:Oracle Real Application Clusters 11g
Essentials

Version:Demo

QUESTION 1

Once OUI recognizes a set of nodes in a cluster, which three choices does it offer when installing the Oracle Database 11g Release 2 software?

- A. You can only install the Oracle Database with the RAC option on selected nodes.
- B. OUI forces you to configure ASM for shared storage before proceeding.
- C. You can install the Oracle Database as a single instance or with the RAC option on all the nodes.
- D. You can install the Oracle Database as a single instance or with the RAC option on selected nodes.
- E. You can install Oracle RAC One Node.

Correct Answer: BDE

B, D: Complete the prerequisite tasks for converting to an Oracle RAC database: Oracle Clusterware and Oracle Database software is installed on all target nodes. Oracle Clusterware is started.

(D)

The Oracle Database binary is enabled for Oracle RAC on all target nodes.

(B)

Shared storage is configured and accessible from all nodes.

User equivalency is configured for the operating system user performing the conversion.

Enterprise Manager agents are configured and running on all nodes, and are configured with the cluster and host information.

The database being converted has been backed up successfully.

E: Installing Oracle RAC One Node is available starting with Oracle Database 11g Release 2 (11.2.0.2).

Note:

* By default, the standard Oracle Database 11g software installation process installs the Oracle RAC option when OUI recognizes that you are performing the installation on a cluster.

QUESTION 2

Which statement regarding the node VIPs is incorrect?

- A. Should register the hostnames for the VIP with a DNS, if available
- B. DNS name should be resolvable from any server node
- C. DNS name must be resolvable from any client
- D. VIP address should be in use at the time of installation

Correct Answer: D

During installation of the Oracle Grid Infrastructure for a cluster, a listener is created for each of the SCAN addresses. Clients that access the Oracle RAC database should use the SCAN or SCAN address, not the VIP name or address.

Incorrect:

Not A: The VIPs should be registered in the DNS.

Not C: Advantage of Virtual IP deployment in Oracle RAC:

Using VIP configuration, client can be able to get connection fast even fail over of connection request to node. Because vip automatically assign to another surviving node faster and it can't wait for TNS timeout old fashion.

Reference: Oracle Real Application Cluster (Oracle RAC) Virtual IP

QUESTION 3

Which two statements about ASM paths and file names are correct?

- A. Absolute paths must begin from the root directory of the server.
- B. Relative paths start from the Grid Infrastructure home directory.
- C. When an Oracle ASM file is created with an alias file name, you can access the file with either name.
- D. Absolute paths can access a file or directory regardless of the current directory.

Correct Answer: CD

C: Alias names, or aliases, are intended to provide a more user-friendly means of referring to Oracle ASM files, rather than using the system-generated filenames.

You can create an alias for a file when you create it in the database, or you can add an alias to an existing file using the ADD ALIAS clause of the ALTER DISKGROUP statement. You can create an alias in any system-generated or user-created Oracle ASM directory. An alias must include the disk group name; you cannot create an alias at the root level (+).

QUESTION 4

What should be the default software location for Oracle Clusterware?

- A. The same directory as the Oracle Database home
- B. Using Oracle RAC 11g Release 1, the Oracle Grid Infrastructure Home
- C. Using Oracle RAC 11g Release 2, the Oracle Grid Infrastructure Home
- D. The root file system

Correct Answer: A

*

Oracle Clusterware is installed as part of Oracle Database 11g. OUI installs Oracle Clusterware into a directory structure that is referred to as CRS_home. This home is separate from the home directories of other Oracle software products installed on the same server.

*

The Oracle RAC database software is installed from the same Oracle Database 11g installation media. By default, the standard Oracle Database 11g software installation process installs the Oracle RAC option when OUI recognizes that you are performing the installation on a cluster. OUI installs Oracle RAC into a directory structure that is referred to as Oracle_home. This home is separate from the home directories of other Oracle software products installed on the same server. Reference: Installing and Configuring Oracle Clusterware and Oracle RAC

QUESTION 5

You have configured your eight-node cluster to use the GRID Naming Service (GNS). The network administrator has established a delegated subdomain for the cluster, which is MYCLUSTER.COMPANY.COM. DHCP has been configured as that the cluster now manages IP addresses within it.

Select three responses that describe the VIPs that will exist in this configuration.

- A. 1 GNS VIP
- B. 3 GNS VIPs
- C. 1 SCAN VIP
- D. 3 SCAN VIPs
- E. 3 Node VIPs
- F. 8 Node VIPs

Correct Answer: ADF

A: As part of the Grid Infrastructure installation process, optionally we can also provide Grid Naming Service (GNS) information, which includes the GNS Sub Domain Name and the GNS VIP Address.

Using GNS assumes that a DHCP server is running on the public network with enough available addresses to assign the required IP addresses and the SCAN VIP. Only one static IP address is required to be configured and it should be in the DNS domain.

D:

*

The node VIP and the three SCAN VIPs are obtained from the DHCP server when using GNS.

*

RAC instances register to SCAN listeners as remote listeners. Oracle recommends assigning 3 addresses to SCAN, which will create 3 SCAN listeners, though the cluster has got dozens of nodes.. SCAN is a domain name registered to at least one and up to three IP addresses, either in DNS (Domain Name Service) or GNS (Grid Naming Service). The SCAN must resolve to at least one address on the public network. For high availability and scalability, Oracle recommends configuring the SCAN to resolve to three addresses.

SCAN components in a cluster:

SCAN Name

SCAN IPs (3)

SCAN Listeners (3)

F:

*

One VIP address for each node.

*

Node listeners on each node which connect clients to the chosen instance these listeners are not normally contacted by the clients at the initial connection request and not referenced by the REMOTE_LISTENER parameter except for upgraded RAC databases from prior releases. Each local listener also has a vip and these are examples of "LOCAL RESOURCES" in the OCR.

*

The node VIP and the three SCAN VIPs are obtained from the DHCP server when using GNS.

QUESTION 6

You are setting up IP addresses for your Oracle Clusterware-based cluster. Which two types of IP addresses should be registered with DNS?

- A. Public IP address
- B. Private IP address
- C. VIP address
- D. Storage IP address

Correct Answer: AC

Reference: Oracle Clusterware Administration and Deployment Guide

QUESTION 7

Which two requests can be fulfilled with the oifcfg getif command?

- A. Identifying the public network interface
- B. Verifying the proper format for network interface names
- C. Obtaining local and global configuration settings
- D. Identifying the cluster_interconnect interface

Correct Answer: AD

* oifcfg getif

Displays the interfaces for which an interface type has been defined with the setif command, along with the type for that interface.

* Example Retrieving Network Information

You can also retrieve specific OIFCFG information with a getif command.

oifcfg getif [[-global | -node nodename] [-if if_name[/subnet]] [-type if_type]] For example, after you install Oracle Clusterware, you can verify that the public and cluster interconnect have been set to the desired values by entering the following

commands as root:

```
$ oifcfg getif
```

This command should return values for global public and global cluster_interconnect. For example:

```
en0 144.25.68.0 global public
```

```
hme0 139.185.141.0 global cluster_interconnect
```

QUESTION 8

Which two options are valid choices for the ASM configuration file?

- A. init.ora
- B. init.asm
- C. asm.ini
- D. SPFILE

Correct Answer: AD

"Oracle?Automatic Storage Management Administrator\\'s Guide 11g Release 2 (11.2) Part Number E16102-05"

There are two parameters files: spfile.ora and init.ora as sample, in fact init+ASM.ora with default, but not mandatory names !

QUESTION 9

Which is not a node app?

- A. ASM
- B. ONS
- C. GSD

D. VIP

Correct Answer: A

Note:

*

srvctl modify nodeapps Options Option Description -n node_name Node name. -o clusterware_home Oracle Clusterware home for node applications such as VIP, ONS, and GSD. -A new_vip_address The node level VIP address (name|ip/netmask[/if1[|if2|...]]).

*

srvctl config nodeapps Option

Option Description -n node_name Node name. -a Displays the VIP address configuration. -g Displays the GSD configuration. -s Displays the ONS configuration.

Displays the listener configuration.

Reference: Oracle Real Application Clusters Administration and Deployment Guide, A Server Control Utility Reference

QUESTION 10

Which three items can be stored on the ACFS (Oracle ASM Cluster File System)?

- A. Oracle Database Homes (shared home approach)
- B. Any type of application-related configuration or log files
- C. The Oracle Grid Infrastructure Home
- D. Oracle Backup Sets (RMAN backup sets)

Correct Answer: ABD

Oracle ASM Cluster File System (ACFS) is a general purpose cluster file system implemented as part of ASM. It can be used to store almost anything, including the database executables. The only things that should not be stored in ACFS are the Grid Infrastructure home and any Oracle files that can be directly stored in Oracle ASM.

Reference: Oracle ASM Cluster File Systems (ACFS) in Oracle Database 11g Release 2

QUESTION 11

You are creating a RAC database with DBCA. Which of these is NOT a main area of initialization parameters you can configure as part of the process?

- A. Memory
- B. page size
- C. Character set

D. Connection mode

Correct Answer: B

The Initialization Parameters page appears. By default, the Initialization Parameters page shows only the basic parameters, and only enables you to change the parameter file definition if you are using raw storage. Each tab on the Initialization Parameters page provides different sets of information that you can add or modify as follows:

a.

Memory Tab.

b.

Sizing Tab: Use this page to select the database standard block size and process count.

c.

Character Sets Tab: Use this page to set the database character set value.

d.

Connection Mode Tab: You can use this tab to select either dedicated or shared database connections to your database.

e.

Parameter File Tab: This tab will only appear if you are using raw storage. Use this tab to enter a raw device name for the location of the server parameter file.

Reference: Oracle Database Oracle Clusterware and Oracle Real Application Clusters Installation Guide 10g Release 2 (10.2) for Microsoft Window, Creating an Oracle Real Application Clusters Database with DBCA

QUESTION 12

Which two actions do you need to take in order to start up Oracle Grid Infrastructure automatically on boot?

- A. If Oracle Grid Infrastructure was disabled on a node, use "crsctl enable crs" to enable the automatic startup.
- B. Add the daemons to the system startup list.
- C. Nothing. By default, Oracle Grid Infrastructure is set up to start automatically on server boot.
- D. You must start clusterware daemons with individual commands in a batch file.

Correct Answer: AC

We can use crsctl commands as follows to enable and disable the startup of the Oracle Clusterware daemons. Run the following command to enable startup for all of the Oracle Clusterware daemons:

```
crsctl enable crs
```

Run the following command to disable the startup of all of the Oracle Clusterware daemons:

```
crsctl disable crs
```


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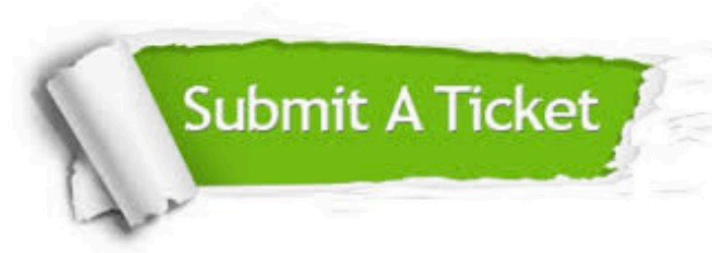
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