



Oracle

Exam 1z0-068

Oracle Database 12c: RAC and Grid Infrastructure Administration

Version: 7.0

[Total Questions: 91]

Question No : 1

Which three types of patches and upgrades are supported for Oracle Grid Infrastructure 12c?

- A. in-place upgrades using the Oracle Universal Installer
- B. out-of-place patching for patch bundles
- C. in-place patching for patch bundles
- D. out-of-place upgrades using the Oracle Universal Installer
- E. in-place patching for one-off patches
- F. in-place patching for patch sets

Answer: A,B,E

Question No : 2

Oracle Clusterware manages an administrator-managed database service defined with the MANUAL management policy.

Which two statements are true?

- A. The service must be manually restarted with SRVCTL every time the instance hosting the service fails.
- B. Clusterware will monitor the service while it is active.
- C. The service must be manually restarted with SRVCTL after restarting the Clusterware stack on the node hosting the service.
- D. When manually started, the service will always start on one or more available instances rather than on their preferred instances.
- E. The service must be manually started with SRVCTL after a planned restart of the instance hosting the service.

Answer: B,D

Question No : 3

Which three components are integral parts of High Availability NFS (HANFS)?

- A. Application VIP
- B. DHCP
- C. ExportFS
- D. HAVIP
- E. NFS

F. HAIP

Answer: B,C,E

Question No : 4

Which two components must always be defined or specified by an administrator to make an application highly available using Oracle 12c Clusterware?

- A. A Server Pool
- B. an application VIP
- C. an application resource
- D. a resource dependency definition
- E. a script agent

Answer: B,C

Question No : 5

Which three statements are true about ASM Cloud File System (ACFS) replication?

- A. ACFS auditing information is replicated from the primary file system to the standby file system.
- B. One site of an ACFS replication configuration can be host both primary and standby file systems.
- C. Replication is automatically terminated if the primaries file system has less than 2GB free space.
- D. Standby redo log files are required on the standby site for synchronous redo transport.
- E. The privilege SYSREPL has been introduced for ACFS replication.

Answer: B,C,D

Explanation:

A site can host both primary and standby file systems.

If the primary file system has less than 2 GB available free disk space, Oracle ACFS attempts to automatically terminate replication on the primary file system.

Reference: [https://docs.oracle.com/database/121/OSTMG/GUID-8522E0B6-BE6E-4BE3-B7C7-](https://docs.oracle.com/database/121/OSTMG/GUID-8522E0B6-BE6E-4BE3-B7C7-5EA2ED4A602C.htm#OSTMG34600)

[5EA2ED4A602C.htm#OSTMG34600](https://docs.oracle.com/database/121/OSTMG/GUID-8522E0B6-BE6E-4BE3-B7C7-5EA2ED4A602C.htm#OSTMG34600)

https://docs.oracle.com/cd/B19306_01/server.102/b14239/log_transport.htm#i1280979

Question No : 6

Which statement is true concerning the installation of an Oracle Grid Infrastructure 12c patchset and its status during the installation?

- A. Some grid infrastructure patchsets may not be installed in a rolling fashion.
- B. They can be applied in-place.
- C. When performing rolling patches, crsctl query crs softwareversion always displays the lowest version of the software running anywhere in the cluster
- D. When performing rolling patches, the VIPs for the node being patched are relocated to another node.

Answer: C

Question No : 7

Which three statements are true about Oracle Clusterware 12c Flex Cluster architecture?

- A. Each leaf node must be connected to storage shared across all cluster nodes.
- B. Hub nodes require direct access to the voting disks.
- C. Each leaf node must be connected to storage shared across all leaf nodes.
- D. Each hub node must be connected to storage shared across all hub nodes.
- E. Hub nodes require direct access to the OCR file.
- F. Leaf nodes require direct access to the voting disks.

Answer: B,C,F

Question No : 8

Which three statements are true about the cluster file system archiving scheme?

- A. Each node can read only the archived logs written by itself.
- B. Nodes don't use network to archive files.
- C. Each node can read the archive redo log files of the other nodes.
- D. Each node archives to a uniquely named local directory.
- E. Each node archives to a local directory with the same path on each cluster node.

F. Each node writes to a single location on the cluster file system while archiving the redo log files.

Answer: A,C,D

Explanation:

Each node can read the logs written by itself and any other node. Each node can read the archived redo log files of the other nodes. Each node archives to a uniquely named local directory.

Reference: https://docs.oracle.com/cd/E18283_01/rac.112/e16795/rman.htm

https://docs.oracle.com/cd/E11882_01/rac.112/e41960/rman.htm#RACAD320

[https://www.google.com.pk/url?](https://www.google.com.pk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwjfpsutmZjLAhUMcl4KHQI-DDUQFggaMAA&url=https%3A%2F%2Fdocs.oracle.com%2Fcd%2FE11882_01%2Frac.112%2Fe41960%2Frman.htm&usq=AFQjCNF54ysmEZx1uyl4UreB_aBSP3HoFA&sig2=03a0bvlmDDXv3hSvLi18Uw)

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[DDUQFggaMAA&url=https%3A%2F%2Fdocs.oracle.com%2Fcd%2FE11882_01%2Frac.112%2Fe41960%](https://www.google.com.pk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwjfpsutmZjLAhUMcl4KHQI-DDUQFggaMAA&url=https%3A%2F%2Fdocs.oracle.com%2Fcd%2FE11882_01%2Frac.112%2Fe41960%2Frman.htm&usq=AFQjCNF54ysmEZx1uyl4UreB_aBSP3HoFA&sig2=03a0bvlmDDXv3hSvLi18Uw)

[2Frman.htm&usq=AFQjCNF54ysmEZx1uyl4UreB_aBSP3HoFA&sig2=03a0bvlmDDXv3hSvLi18Uw](https://www.google.com.pk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwjfpsutmZjLAhUMcl4KHQI-DDUQFggaMAA&url=https%3A%2F%2Fdocs.oracle.com%2Fcd%2FE11882_01%2Frac.112%2Fe41960%2Frman.htm&usq=AFQjCNF54ysmEZx1uyl4UreB_aBSP3HoFA&sig2=03a0bvlmDDXv3hSvLi18Uw)

Question No : 9

Which three statements are true concerning policy-based cluster management in Oracle 12c Clusterware?

- A. Server Pools must be managed with the crsctl utility for servers hosting an application or other administrator-defined high-availability resource.
- B. All servers in a new cluster installation belong to the generic server pool.
- C. The server pool contains servers that host administrator-defined high availability resources.
- D. Server pools must be managed with the srvctl utility for servers hosting a database.
- E. All servers in a new cluster installation belong to the free server pool.

Answer: B,D,E

Question No : 10

A directory +DATA/ORCL/DATAFILE/USERS exists in ASM.

USERS is a user created directory; ORCL and DATAFILE are system generated

directories. Which two statements are true about user-created directories?

- A. You can create subdirectories under the USERS directory.
- B. You cannot rename a user-created subdirectory.
- C. You cannot drop a directory containing aliases unless you delete the aliases first.
- D. You cannot create a user-defined directory at the root (+) level.
- E. You cannot create a nested subdirectory /USERS/2014 under USERS with a single CREATE DIRECTORY command even if directory USER1 doesn't exist.

Answer: A,C

Question No : 11

Which three statements are true about Quality of Service Management (QoS)?

- A. A server-pool can be managed by QoS even if it does have database instances running on any server in the pool.
- B. It can manage database services only if they are defined as UNIFORM services.
- C. It requires Oracle Grid Infrastructure for a Cluster to be installed and Clusterware to be running.
- D. It supports multiple databases assigned to the same server pool.
- E. Databases managed by QoS can be administrator managed or policy managed.

Answer: C,D,E

Question No : 12

You administer a three-instance, policy-managed, multitenant RAC database CDB1 with two PDBs: PDB_1 and PDB_2.

Examine these commands executed on host01:

```
$ srvctl add service -db CDB1 -pdb PDB_1 -serverpool prod_pool -cardinality singleton
```

```
$ srvctl start service -db CDB1 -service CRM $ srvctl stop service -db CDB1 -service CRM
```

Which three statements are true?

- A. CRM is only available for new logins on the CDB1 instance on host01.
- B. CRM is available for new logins on one CDB1 instance.
- C. The srvctl start service command automatically opens PDB_1 if not already opened.
- D. The srvctl stop service command does not close PDB_1 on any instance of CDB1.

E. The CRM service is not available for new logins on any instance of CDB1.

Answer: B,D,E

Question No : 13

Which two statements are true concerning ASM diskgroups using disks with a 4k sector size?

- A. Their COMPATIBLE.ASM attributes must be set to 12.1 or higher.
- B. Their COMPATIBLE.ASM attributes must be set to 11.2 or higher.
- C. Performance of ACFS is improved by using these diskgroups.
- D. Their COMPATIBLE.RDBMS attributes must be set to 11.2 or higher.
- E. Their sector size attributes can be changed using the ALTER DISKGROUP command.

Answer: B,D

Question No : 14

Which two utilities can be used to predict the consequences of a filesystem failure for the Oracle 12c Clusterware stack?

- A. asmcmd
- B. srvctl predict....
- C. crsctl fail....
- D. asmca
- E. acfsutil
- F. advmutil

Answer: C,E

Question No : 15

Examine this query and output:

```
SQL> select order_flag, cache_size, session_flag, keep_value,
```

```
2 from user_sequences where sequence_name = 'SEQ1';
```

```
O CACHE_SIZE S K
```

-- ----- -- -Y 10 N N

Performance analysis revealed severe SQ enqueue contention on the SEQ1 sequence.

The SEQ1 sequence is incremented from all instances equally and is frequently used.

Which two statements should you execute to reduce SQ enqueue contention?

- A. alter sequence seq1 cache 10000;
- B. alter sequence seq1 order;
- C. alter sequence seq1 noorder;
- D. exec sys.dbms_shared_pool.keep ('SEQ1', 'Q')
- E. alter sequence seq1 keep;

Answer: A,D

Question No : 16

Which four statements are true concerning the upgrading of Oracle Grid Infrastructure 12c?

- A. The ORACLE_HOME environment variable must be set to the Grid Infrastructure home directory in the installation owner's environment.
- B. The upgrade must be done in-place.
- C. The upgrade must be done out of place.
- D. Upgrade validation may be done using the Oracle Universal Installer which in turn invokes the built-in cluster verification utility.
- E. The cluster verification utility cluvfy.sh can verify that the cluster is ready for an upgrade.
- F. The ORACLE_SID environment variable must be set to the SID of the ASM instance in the installation owner's environment.
- G. The cluster verification utility cluvfy.sh can generate fixup scripts to run on all nodes of the cluster.

Answer: A,B,F,G

Question No : 17

Which two statements are true about ASM default templates?

- A. Default data file templates are only created by ASM when a normal redundancy disk group is created.
- B. Default template settings for redundancy depends on the disk group redundancy.
- C. Default templates for a disk group can be modified.

- D. Default template setting for striping depends on disk group redundancy.
- E. Templates may be shared across disk groups.

Answer: A,B

Explanation:

Default template settings depend on the disk group type. The default template for data files for a normal redundancy.

Reference:

http://docs.oracle.com/cd/E11882_01/server.112/e18951/asmfiles.htm#OSTMG139

Question No : 18

Examine this output:

```
ASMCMD> volinfo – G ACFS –a
```

Diskgroup Name: ACFS

Volume Name: VOL1

Volume Device: /dev/asm/vol1-280

State: ENABLED

Size (MB): 2048

Resize Unit (MB): 32

Redundancy: MIRROR

Stripe Columns: 4

Stripe Width (K): 128

Usage: ACFS

Mountpath: /u01/app/grid/acfsmount

The ACFS disk group has 10 GB free space and the file system is currently mounted.

You execute this command to increase the volume size: `ASMCMD >volresize –G ACFS –s 3G VOL1`

Which statement is true regarding the outcome?

- A. It succeeds
- B. It fails because the file system must be unmounted before resizing.
- C. It fails because resizing a volume containing an ACFS file system must be performed using ACFSUTIL.
- D. It succeeds but the file system is automatically unmounted.
- E. It fails because the -f option is not specified.

Answer: C

Question No : 19

Which two steps must always be performed to delete node host04 from an Oracle 12c Clusterware cluster that does not use Grid Naming Service (GNS)?

- A. Run the crsctl unpin css - host04 command as root on host01, or on either host02 or host03.
- B. Run the rootcrs.pl - delete -force command as root on host01, or on either host02 or host03.
- C. Run the rootcrs.pl - delete -force command as root on host04.
- D. Run the crsctl delete node n - host04 command as root on host04. E. Run the crsctl delete node n - host04 command as root on host04.
- E. Run the crsctl delete node n - host04 command as root on host01, or on either host02 or host03.

Answer: B,C

Question No : 20

Which three statements are true about ASM Cloud File System (ACFS) tagging?

- A. asfssettag is a command provided by a platform-independent API to tag files.
- B. asfssettag is a command provided by a platform-dependent API to tag files.
- C. ACFS tagging is used to mark a subset of files in an ACFS file system for replication.
- D. acfsutil encr on can be used to specify the tag names of the files to be encrypted.
- E. acfsutil tag set can be used to tag files.

Answer: C,D,E

Question No : 21

Which two statements are true regarding the configuration of ASM disk groups when installing Oracle Grid Infrastructure 12c?

- A. The installer permits the creation of a disk group for use by the voting disks and OCR file.
- B. If no ASM disk groups are specified during installation, then ASM instances are not started after the installation completes on any cluster node.
- C. The installer permits the creation of a disk group to be used for the Recovery Area for the ASM instance.
- D. If ASM disk groups are configured for the Clusterware files, then ASM must be used for all databases on the cluster.
- E. ASM disk groups used for voting files and OCR files require a quorum failgroup.

Answer: A,B

Question No : 22

Which two statements are true regarding ASM Dynamic Volume manager (ADVM)?

- A. To create an ADVM volume, disk group attributes COMAPTIBLE.ASM and COMPATIBLE.ADVM must be minimally set to 12.1.
- B. An ADVM volume is individually named and can contain only one file system.
- C. Only one ADVM volume can be created in an ASM disk group.
- D. ADVM extends ASM by providing a device driver interface to storage backed by an ASM disk group.
- E. File systems contained in ADVM volumes may only contain database files.

Answer: B,D

Explanation:

Each volume is individually named and may be configured for a single file system.
Reference: <https://docs.oracle.com/database/121/OSTMG/GUID-B7A61F3B-C22A-4021-A846F5EA749E79FF.htm#OSTMG32000> (See Note and the third para from the top.)

Question No : 23

Which two statements are true regarding server-side connect-time load balancing for a RAC database when using SCAN listeners?

- A. It is based on performance metrics provided by the database instances LREG processes.

- B. LOCAL_LISTENER must be configured to point to the SCAN to enable server-side load balancing.
- C. The service's connection load balancing goal must be manually configured to enable server-side connect-time load balancing.
- D. It's enabled only when LOAD_BALANCE=YES is included in the TNS entry used by the client.
- E. Server-side load balancing requires the REMOTE_LISTENER to point to the SCAN.

Answer: C,E

Question No : 24

Which three are benefits of using RAC One Node in Oracle 12c?

- A. automatic failover for high availability
- B. ability to perform rolling patches
- C. online conversion from RAC One Node databases to multi-instance RAC databases
- D. load-balancing of services within a single instance
- E. online-conversion from non-RAC databases to RAC One Node databases
- F. multiple instances of the same database on a single node to protect against instance failure

Answer: B,D,F

Question No : 25

Which three statements are true about Oracle 12 RAC Database software installations?

- A. It is possible to install RAC database software on a one node cluster.
- B. It is possible to install multiple RAC database 12c software homes on the same cluster.
- C. The RAC database 12c software home and Grid infrastructure homes must be owned by separate OSusers.
- D. The Cluster Verification Utility (CLUVFY) must be used to check the cluster before installing the RACdatabase software.
- E. The Cluster Verification Utility (CLUVFY) must be used to check the cluster after installing the RACdatabase software.
- F. The RAC database 12c software home and Grid Infrastructure homes must be owned by the same OSuser.

Answer: C,D,F