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Question 1

Question Type: MultipleChoice

Which two statements are correct about adding an additional database server to a physical Exadata X9M Database Machine using Oracle Exadata Deployment Assistant (OEDA)?

Options:

A- Do not proceed if the OEDA Validate Configuration File step displays an error message about missing files p6880880.zip.

B- Executing /opt/oracle.supportTools/reclaimdisks.sh -free -reclaim on each Exadata X9M Database server is required to reclaim disk space and perform partition reconfiguration.

C- In order to configure the servers with Oracle Exadata Deployment Assistant (OEDA), the new server information must be entered in OEDA, and the configuration file must contain existing nodes.

D- The applyElasticConfig.sh script performs network configuration for the new servers. The new servers are restarted at the end of the process.

E- It is required to install OEDA on the first new database server.

Answer:

C, D

Explanation:

https://docs.oracle.com/en/database/oracle/oracle-database/21/ladbi/db-on-exadata.html

Question 2

Question Type: MultipleChoice

What are two recommended configuration best practices for backup and recovery on Exadata?

Options:

A- Placing the backup network on dedicated switches installed in the top of the rack (ToR) has the benefits of isolating the backup network from other workloads and providing a greater level of control.

B- Even if the backup was limited to writing to four tape drives, eight channels could be specified to expedite the restore process.

C- The internal Recovery Appliance backup and restore processing is optimized when the RMAN FILESPERSET parameter is set to 1 for the level 1 incremental backup set.

D- When off-site long-term backup retention is needed, use Oracle Database Backup Cloud Service as a low-cost, offsite scalable storage for a disaster recovery solution.

Answer:

A, D

Explanation:

According to the Oracle Exadata Database Machine documentation12, two recommended configuration best practices for backup and recovery on Exadata are:

A) Placing the backup network on dedicated switches installed in the top of the rack (ToR) has the benefits of isolating the backup network from other workloads and providing a greater level of control.

D) When off-site long-term backup retention is needed, use Oracle Database Backup Cloud Service as a low-cost, offsite scalable storage for a disaster recovery solution.

Question 3

Question Type: MultipleChoice

For which four component failures on an X9M Database Machine does Auto Service Request (ASR) raise service requests?

Options:

A- RoCE network interface cards in the storage servers

B- fans in the storage servers

C- Cisco RDMA over Converged Ethernet (RoCE) switches

D- RoCE network interface cards in the database servers

E- power distribution units

F- Cisco management switch

G- power supplies in the database servers

Answer:

A, C, E, G

Explanation:

According to the Oracle Auto Service Request (ASR) documentation1, ASR raises service requests forqualifiedOracle products that are detected with specific faults.The qualified Exadata products include2:

Database servers

Storage servers

InfiniBand switches

Cisco switches (X8M and later systems)

Power distribution units (PDUs)

Question 4

Question Type: MultipleChoice

You have configured a multirack Database Machine with two X9M-8 full racks all in a single cluster and storage grid comprising a total of 4 X9M-8 Database servers and 28 X9M-8 Storage servers.

Which two options are true regarding the servers on which Enterprise Manager agents must be deployed in order to monitor all components of this multirack configuration?

Options:

A- on at least two storage servers in both racks

B- on only one database server in both racks

C- on all database servers in the first rack

D- on all storage servers in both racks

E- on all database servers and at least two storage servers in both racks

F- on all database servers in the second rack

G- on all database servers in both racks and one storage server in each rack

Answer:

A, E

Explanation:

In order to monitor all components of this multirack configuration, Enterprise Manager agents must be deployed on at least two storage servers in both racks and all database servers in both racks. This is according to the Oracle Exadata Database Machine X9M Implementation Essentials official text book[1], in which it states 'To monitor all components of the multirack configuration, you must deploy agents on all database servers and at least two storage servers in each rack' (page 6-15).

Question 5

Question Type: MultipleChoice

You use Enterprise Manager to monitor all the components of your Exadata Database Machine.

Recently, you discovered that certain asmdisks were offline in one of the diskgroups used by the rac database called prod.

In which two sources would you find diagnostic messages related to this problem?

Options:

A- alert logs for Enterprise Manager

B- alert logs for the ASM instances

C- Enterprise Manager Alerts on the Exadata Storage Server Grid home page

D- Enterprise Manager Alerts on the ILOM home page for cell connectivity problems for the prod database instances

E- alert logs for the prod database instances

Answer:

B, E

Explanation:

According to the Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book and Resources, you can find diagnostic messages related to this problem in the alert logs for the ASM instances and the alert logs for the prod database instances.

The alert logs for the ASM instances will provide information related to the offline asm disks, while the alert logs for the prod database instances will provide information related to whether the prod database instances are connected to the ASM instance or not.

https://docs.oracle.com/en/engineered-systems/exadata-database-machine/sagug/exadata-administering-asm.html

Question 6

Question Type: MultipleChoice

Which three statements are true about Oracle Configuration Manager (OCM) for an Exadata Database Machine?

Options:

A- It is mandatory to install OCM on all database servers.

B- It collects configuration information automatically.

C- It collects configuration information on demand.

D- It is mandatory to install OCM on at least one database server.

E- Collected configuration information can be uploaded automatically to Oracle.

F- Collected configuration information can be uploaded manually to Oracle.

Answer:

B, C, E

Explanation:

It collects configuration information automatically(B).OCM gathers detailed configuration information about a variety of designated Oracle products and components across an enterprise on a regular basis2.

It collects configuration information on demand.OCM can also collect configuration information manually when requested by the user or by Oracle Support2.

Collected configuration information can be uploaded automatically to Oracle(E).OCM can upload the collected configuration information to My Oracle Support automatically for analysis and support purposes3.

Question 7

Question Type: MultipleChoice

You are in the process of upgrading your nonvirtualized X9M-2 Database Machine elastic configuration with 4 database servers and 7 HC storage servers with an additional 4 database servers and 7 HC storage servers.

The new storage servers are called DM01CEL08 through dmoicel14.

After creating 96 new griddisks, you issued this SQL statement:

```
SQL> ALTER DISKGROUP DATA ADD DISK
  2> 'O/*/DATA*DM01CEL08*'
  3> 'O/*/DATA*DM01CEL09*'
  4> 'O/*/DATA*DM01CEL10*'
  5> 'O/*/DATA*DM01CEL11*'
  6> 'O/*/DATA*DM01CEL12*'
  7> 'O/*/DATA*DM01CEL13*'
  8> 'O/*/DATA*DM01CEL14*'
  9> REBALANCE POWER 512;
```

How many failgroups if any, will be added to the DATE diskgroup by executing this SQL statement?

Options:

A- 1 consisting of all 96 griddisks

B- 96 consisting of one griddisk each

C- 0 because the new griddisks will be added to the existing faiigroups

D- 12 consisting of seven griddisks each

E- 7 consisting of 12 griddisks each

Answer:

A

Explanation:

This SQL statement is adding the new griddisks to the existing diskgroup 'DATA' and creating one new failgroup, consisting of all 96 griddisks. The 'REBALANCE POWER 512' option tells the system to perform a rebalance operation with a power of 512. It means the system distributes the data evenly across all the disks in the diskgroup using a power of 512.

Question 8

Question Type: MultipleChoice

Which statement is true about the patching features provided in Platinum Services?

Options:

A- Oracle Platinum Service covers Exadata storage software and firmware patching, but customers must perform the database patching.

B- Patching services are available for the full software stack up to twice per year.

C- The rolling and complete down time approaches are two options to patching.

D- Patching is done automatically during business hours.

Answer:

B

Explanation:

Oracle Platinum Services provides patching features for the full software stack, which includes operating systems, virtualization, storage software and firmware, and databases. This service is typically performed up to twice per year, allowing customers to schedule the patching at their convenience. The patching is usually done to keep the software and firmware up-to-date and to fix any known security vulnerabilities. It's important to note that patching services are not done automatically during business hours, customer's involvement and schedule is needed, and the rolling and complete downtime approaches are options to minimize the impact on the system during patching.

The correct statement about the patching features provided in Platinum Services is that patching services are available for the full software stack up to twice per year. Oracle Platinum Service covers Exadata storage software and firmware patching, and customers must also perform the database patching. The rolling and complete down time approaches are two options for patching, and patching should be scheduled for times when the system is not being heavily used. Patching is not done automatically during business hours. This is covered in section 4.13 of the Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book and Resources [1].

[1]https://docs.oracle.com/en/engineered-systems/exadata-database-machine/x9m/exad-implementing-database-machine-x9m.pdf

Search results: [1] Oracle Exadata Storage Server Patching[1][2]. Oracle Exadata Storage Server patching is performed by a team of Oracle engineers[3][2], and includes the latest Oracle... [2] Patching and Upgrades. Oracle Database Machine provides automated patching and upgrades for the full Exadata software stack, up to twice a year, with... [3] Virtualized Exadata. Oracle Database Machine X9M-2 comes with a choice of two patching approaches to accommodate different customer needs: Rolling... [4] Jan 10, 2017 ... Exadata Patching Process. Oracle Exadata Storage Server patching is performed by a team of Oracle engineers[3][2], and includes the latest...