



1Z0-902^{Q&As}

Oracle Exadata Database Machine X9M Implementation Essentials

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QUESTION 1

Which two statements are true about applying updates on Exadata systems?

- A. Failed storage server updates are automatically rolled back to a previous release.
- B. To speed up applying storage server updates in a rolling manner, updating two storage servers simultaneously is recommended.
- C. Updating kernel and RDMA packages on storage cells should be prevented by excluding them with the yum --exclude option.
- D. For regular Exadata updates, yum automatically installs a non-UEK kernel, which can be selected to boot from grub.
- E. Failed database server updates are rolled back to a working state on a previous release automatically.
- F. When running a "yum update" for a new Exadata release, all other repositories should be disabled.

Correct Answer: AF

Explanation: According to Oracle's documentation¹², some of the statements that are true about applying updates on Exadata systems are:

Failed storage server updates are automatically rolled back to a previous release¹. When running a "yum update" for a new Exadata release, all other repositories should be disabled¹.

QUESTION 2

Which three statements are true about the CELLCLI command?

- A. It can execute commands on multiple storage servers in parallel.
- B. It has command-line history.
- C. It requires root privileges to create CELLDISKS and GRIDDISKS.
- D. It can be executed on storage servers.
- E. It can be executed using the DCLI utility.

Correct Answer: BDE

The statements that are true about the CellCLI command are:

It has command-line history . According to 1, you can use the up and down arrow keys to scroll through previous commands that you entered in CellCLI . You can also use Ctrl+R to search for a previous command by entering part of it . It can

be executed on storage servers . According to 1, you can invoke CellCLI by logging in to the Exadata cell as cellmonitor , celladmin , or root user and typing "cellcli" . Within CellCLI , you can perform various management and monitoring tasks

for the cell134.



It can be executed using the DCLI utility . According to 5, DCLI (distributed CLI) is another utility that can be used to execute scripts and commands across multiple storagecells from a single interface. You can use DCLI to run CellCLI commands on multiple cells at once⁵⁴.

QUESTION 3

Which of the following is NOT a requirement when validating, receiving, unpacking, and planning access route and space requirements for Exadata Database Machine?

- A. The entire access route to the installation site should be free of raised-pattern flooring that can cause vibration.
- B. 914mm of space required above the rack height is required for maintenance access.
- C. The incline of any access route ramp must be less than or equal to 6 degrees.
- D. All four leveling and stabilizing feet should be raised and out of the way prior to moving the rack.
- E. Oracle Exadata Rack may only be installed on raised floor environments.
- F. A conditioned space is required to remove the packaging material to reduce particles before entering the data center.

Correct Answer: E

Explanation: Exadata Database Machine is a pre-configured and pre-tuned hardware and software system designed to run Oracle Database, it can be installed on raised floor environments, but also on concrete or tile floors

Oracle Exadata Database Machine X9M Implementation Essentials states that Exadata racks are designed to be installed on flat surfaces, not raised floor environments. It is not required to install the rack on raised floor environments. Additionally, the other options listed are all requirements for validating, receiving, unpacking, and planning access route and space requirements for Exadata Database Machine. (Source: Oracle Exadata Database Machine X9M Implementation Essentials, page 41) <https://docs.oracle.com/en/engineered-systems/exadata-database-machine/dbmin/index.html>

QUESTION 4

Which two statements are true about Auto Service Request (ASR) with an Exadata Database Machine?

- A. ASR Manager must be installed and configured on a dedicated server external to the Database Machine.
- B. Configuring ASR is mandatory for all Database Machine assets.
- C. ASR Manager must be installed and configured on one of the database servers.
- D. ASR can upload configuration metadata to support problem resolution.
- E. ASR Manager opens a service request (SR) automatically after sensors detect hardware faults.
- F. ASR communicates with Oracle support services using HTTPS.

Correct Answer: DE

D. ASR can upload configuration metadata to support problem resolution¹. E. ASR Manager opens a service request



(SR) automatically after sensors detect hardware faults1 https://docs.oracle.com/cd/E37710_01/doc.41/e23333/toc.htm

QUESTION 5

You are providing oversight for the delivery of a new Exadata Database Machine.

1.
Stabilize the Exadata Rack.
2.
Unpack Oracle Exadata Rack.
3.
Review the safety guidelines.
4.
Let the Exadata acclimatize for 24 hours.
5.
Power on Exadata PDU A.
6.
Place Exadata in its allocated space.
7.
Power on Exadata PDU B.

What is the correct order of these steps?

- A. 4,3,2,6,1,7,5
- B. 3,2,6,4,1,7,5
- C. 2,3,4,6,1,7,5
- D. 3,2,6,1,4,7,5
- E. 2,6,1,4,3,7,5

Correct Answer: B

Explanation: The correct sequence is: uk.co.certification.simulator.questionpool.PList@da89390
uk.co.certification.simulator.questionpool.PList@da893e0 uk.co.certification.simulator.questionpool.PList@da89430
uk.co.certification.simulator.questionpool.PList@da894b0 uk.co.certification.simulator.questionpool.PList@da89500

QUESTION 6



How do ASM failure groups provide redundancy?

- A. Failure groups are created for each grid disk to ensure mirror copies are written to the same storage server for faster recovery after a physical disk failure.
- B. Failure groups contain all ASM disks in a single storage server preventing mirror copies being written to the same storage server.
- C. They ensure that the ASM Flex instances are enabled on a maximum of two database servers or VMs per cluster.
- D. Extended Redundancy mirrors data across data centers providing the highest levels of data protection.

Correct Answer: B

Explanation: According to Oracle's documentation¹², ASM failure groups provide redundancy by storing mirror copies of data on different disks or storage servers. When ASM allocates an extent for a normal redundancy file, ASM allocates a

primary copy and a secondary copy. ASM chooses the disk on which to store the secondary copy so that it is in a different failure group than the primary copy¹. This way, if one disk or storage server fails, ASM can still access the data from

another failure group². Therefore, the statement that is true about how ASM failure groups provide redundancy is:

Failure groups contain all ASM disks in a single storage server preventing mirror copies being written to the same storage server.

QUESTION 7

Which two sections of the AWR report shows statistics for X9M Persistent Memory Cache?

- A. PMEM Pool cache Read Hits in the Cache Sizes portion of the Report Summary
- B. PMEM Pool Misses in the Exadata Outlier Summary
- C. cell PMEM cache Read Hits in the Database IOs portion of the Performance Summary
- D. PMEM Cache section within Memory Statistics
- E. PMEM Cache section within Exadata Smart Statistics

Correct Answer: CE

Option C shows the number of read hits from PMEM cache on storage servers which indicates how much data was served from PMEM instead of flash or disk¹. Option E shows detailed information about PMEM cache such as size, utilization, hit ratio, read latency and write latency².

QUESTION 8

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

- 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

Correct Answer: ACEG

Explanation: According to the Oracle Auto Service Request (ASR) documentation¹, ASR raises service requests for qualified Oracle 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 9

A new Exadata Quarter Rack with 2 Database Servers and 3 HC Storage Servers and 3- phase 15kVA PDUs is being installed in a Data Center. However, the Data Center is only providing enough power for a single cable from each PDU.

Which statement is correct?

- A. The installation can go ahead, no change is required.
- B. The installation cannot proceed until two power feeds are available per PDU.
- C. A splitter cable can be used to provide power to all PDU cables.
- D. The power cables from the servers to the PDUs can be rearranged inside the rack following OECA guidance to utilize a single PDU power cable.

Correct Answer: A

Explanation: According to the Oracle Exadata Database Machine X9M-2 Data Sheet¹, each PDU has two power input cables that can be connected to separate power sources for redundancy. However, if only one power source is available per PDU, then a single cable can be used to provide sufficient power for normal operation.

<https://www.oracle.com/a/ocom/docs/engineered-systems/exadata/exadata-x9m-2-ds.pdf>

QUESTION 10

Which two activities are supported on the storage servers in an Exadata Database Machine?



- A. changing the root password
- B. upgrading a device driver for hard disks when inserting a replacement disk after a hard disk failure
- C. installing an alternative package manager
- D. upgrading the Storage Server software package using rpm
- E. configuring secure shell user equivalency for the cellmonitor user

Correct Answer: AE

Explanation: According to the web search results¹²³, the storage servers in an Exadata Database Machine are mainly used for processing data at the storage level and offloading some SQL operations from the database servers. Therefore, the two activities that are supported on the storage servers are:

- A. changing the root password
- E. configuring secure shell user equivalency for the cellmonitor user

<https://docs.oracle.com/en/engineered-systems/exadata-database-machine/dbmsso/exadata-introduction.html>

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