# 1Z0-902<sup>Q&As</sup>

Oracle Exadata Database Machine X9M Implementation Essentials

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**QUESTION 1**

You are updating your Exadata X9M-2 Elastic Database Machine with 6 database servers and 12 High Capacity Storage Servers. You will be using patchmgr to apply updates across the entire machine while still maintaining database availability.

Assuming you are driving patchmgr from an external server, which statement is true about the execution phase?

A. patchmgr must be invoked with the --rolling argument. Each component type must be upgraded independently of the other.

B. patchmgr cannot apply updates in a rolling manner, you must manually apply patches with the dbnodeudpate and cellupdate tools if high availability is required.

C. patchmgr will apply patches in component groups consisting of 1 database server and 2 storage servers to minimize disruption.

D. patchmgr must be invoked with the --rolling argument with all database and storage servers listed in a single input file.

Correct Answer: D

According to Oracle documentation12, patchmgr is the utility used to update software for Exadata infrastructure components. It can apply patches in a rolling or non-rolling manner depending on the argument and input file provided.

**QUESTION 2**

Which are two correct statements about backing up Exadata Database Machine?

A. Backup of the Oracle Cluster Registry, which also contains Voting Disk information, is automatically maintained on the file system of the first database server.

B. Backing up Exadata Storage Server Software is critical for restoration.

C. For high availability, system area can be on the first two disks and M.2 devices.

D. The M.2 disk is hot pluggable and can be replaced when the power is on, but you will have to restore the system data manually.

E. Use a snapshot-based backup of an Oracle Exadata Database Machine database server software.

Correct Answer: AB

Explanation: [1] Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book [1][2], Chapter 4: Oracle Clusterware [2] Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book [1][2], Chapter 8: Oracle Exadata Storage Server Software [3] Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book [1][2], Chapter 9: Oracle Exadata Storage Server Infrastructure https://www.oracle.com/technetwork/database/availability/exadata-backup-recovery-bp- 3633870.pdf

**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

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**QUESTION 4**

Which two of the following network connection types can be deployed on the client network ports of an Exadata X9M-2 Database Server?

A. 2x 25Gb ports on eth1 and eth2 using SFP28 transceivers and OM4 fiber cable for backup network, and 2x 25Gb ports on eth5 and eth6 using SFP28 transceivers and OM4 fiber cable for client network

B. 2x 25Gb ports on eth1 and eth2 using SFP28 transceivers and OM4 fibre cable for client network, and 2x 10Gb ports on eth9 and eth10 using RJ45 cat6 cable for backup network

C. 2x 10Gb ports on eth1 and eth2 using FU45 cat6 cable for client network, and 2x 25Gb ports on eth11 and eth12 using SFP28 transceivers and OM4 fiber cable for backup network

D. 2x 25Gb ports on eth1 and eth2 using SFP28 transceivers and OM4 fiber cable for backup network, and 2x 10Gb ports on eth3 and eth4 using RJ45 cat6 cable for client network

Correct Answer: AB

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

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**QUESTION 5**

Which two quarantine types can disable Smart Scan for multiple databases that offload SQL statements to a cell on an Exadata Database Machine?

A. SQL Plan Quarantine

B. Manually created Quarantine

C. Database Quarantine

D. Disk Region Quarantine

E. Cell Offload Quarantine

Correct Answer: AE

Explanation: A and E are the two correct quarantine types that can disable Smart Scan for multiple databases that offload SQL statements to a cell on an Exadata Database Machine. A is correct because SQL Plan Quarantine will disable Smart Scan for all queries related to the SQL plan that was placed in the SQL Plan Quarantine [1]. E is correct because the Cell Offload Quarantine will disable Smart Scan for all queries offloaded to Oracle Database Exadata Storage Server Software [2]. The other statements (B, C, and D) are incorrect. [1] Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book , Chapter 13 [1][2]: Oracle Database Exadata Storage Server Software [2] Oracle Exadata Database Machine X9M Implementation Essentials Official Text Book , Chapter 15 [1][2]: Oracle Database Exadata Storage Server Configuration https://docs.oracle.com/en/engineered-systems/exadata-database- machine/sagug/exadata-storage-server-software-introduction.html

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