



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

Oracle Exadata Database Machine X9M Implementation Essentials

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**QUESTION 1**

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 2**

Which three steps are required to expand an Exadata X9M-2 Database Server with the lowest memory configuration available to the highest memory configuration?

- A. Add 12x 32GB DIMMs.
- B. Add 12x 64GB DIMMs.
- C. Shutdown the Database Server if running.
- D. Add 16x 32GB DIMMs.
- E. Add 16x 64GB DIMMs.
- F. Memory cannot be expanded on Exadata X9M-2 Database Servers.
- G. Remove existing memory modules.
- H. Add 32x 64GB DIMMs.
- I. Add 24x 32GB DIMMs.

Correct Answer: CGH



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

<https://chriscraftoracle.wordpress.com/2022/11/09/what-makes-exadata-faster/>

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### QUESTION 3

I/O performance of the prod database on your Exadata Database Machine has degraded slightly over the past month. The database has been allocated to the OLTP I/O Resource Management (IORM) category. Which two monitoring tools might be useful in examining I/O performance for the prod database?

- A. OS I/O metrics using Enterprise Manager host pages for the storage servers
- B. OS I/O metrics using OS tools such as iostat on the database servers
- C. I/O-specific dynamic performance views such as v\$iostat\_file, v\$iostat\_function, and v\$iostat\_consumer\_group from the prod database instances using SQL \*p1us
- D. cellcli (or exacli/exadcli) to examine storage server metrics such as database, category, ceiidisk, and griddisk
- E. OS I/O metrics using OS tools such as iostat on the storage servers

Correct Answer: CD

Explanation: According to the Oracle documentation<sup>1</sup>, two monitoring tools that might be useful in examining I/O performance for the prod database are:

cellcli (or exacli/exadcli) to examine storage server metrics such as database, category, ceiidisk, and griddisk (D). This tool can help you monitor the I/O Resource Management (IORM) metrics and identify any bottlenecks or imbalances in the

storage layer.

I/O-specific dynamic performance views such as v\$iostat\_file, v\$iostat\_function, and v\$iostat\_consumer\_group from the prod database instances using SQL \*p1us ? These views can help you monitor the I/O activity and latency at the file,

function, and consumer group level.

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### QUESTION 4

Examine these commands:

1.

Execute "crsctl stop cluster -all" as the grid user from one database server.

2.

Execute "crsctl stop cluster -all" as root from one database server.

3.

Power off all network switches.



4.  
Execute "crscti stop cluster" as root from one database server.
5.  
Execute "crscti stop cluster" as the grid user from one database server.
6.  
Power off the rack using the power switches on the PDUs.
7.  
Execute "shutdown -h now" on all database servers.
8.  
Execute "shutdown -h now" on all Exadata storage servers.

Which is the correct order or the required commands to completely power off an Exadata Database Machine in an orderly fashion?

- A. 5, 8, 7, and 6
- B. 4, 7, 8, 3, and 6
- C. 2, 8, 7, 3, and 6
- D. 2, 7, 8, and 6
- E. 1, 8, 7, 3 and 6

Correct Answer: C

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#### QUESTION 5

Which two statements are false about backup to ZFS Storage Appliance (ZFSSA)?

- A. ZFSSA may connect directly to the Exadata 100Gb RoCE network switches.
- B. Top of Rack (ToR) switches are managed as part of the hardware stack and software levels are upgraded during the patching process.
- C. When backing up multi-rack systems, sharing Exadata X9M switches is recommended.
- D. ZFS Snapshots can provide rapid cloning of development and test environment.

Correct Answer: AC

Explanation: A. ZFS Storage Appliance (ZFSSA) can't connect directly to the Exadata 100Gb RoCE network switches. ZFSSA uses Fibre Channel protocol to connect to the Exadata storage cells. C. When backing up multi-rack systems,



sharing Exadata X9M switches is not recommended. Each rack should have its own switches to minimize the risk of data loss due to switch failure.

Review the safety guidelines.

Unpack Oracle Exadata Rack.

Let the Exadata acclimatize for 24 hours.

Place Exadata in its allocated space.

Stabilize the Exadata Rack.

Power on Exadata PDU A.

Power on Exadata PDU B.

This order ensures that the necessary safety precautions are taken before installing the Exadata Database Machine, and that the machine is allowed to acclimate to its new environment before being powered on.

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