1Z0-902^{Q&As}

Oracle Exadata Database Machine X9M Implementation Essentials

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QUESTION 1

How is Exadata Secure RDMA Fabric isolation used in X9M-2 with virtualization enabled?

A. With Secure Fabric isolation, each Storage Server runs multiple KVM guests each dedicated to a Database VM cluster using a dedicated network partition and VLAN ID. This provides security and isolation between multiple tenants or VM clusters.

B. With Secure Fabric isolation, each Database VM Guest uses a dedicated network partition and VLAN ID for client networking between application servers. This improves security by preventing man in the middle attacks.

C. With Secure Fabric isolation, each Database VM Cluster uses a dedicated network partition and VLAN ID for Data Guard networking between the primary and disaster recovery Exadata racks. This improves security by isolating data guard traffic onto an encrypted network between data centers.

D. With Secure Fabric isolation, each Database VM cluster uses a dedicated network partition and VLAN ID for cluster networking between the database servers in the VM Cluster. This provides security and isolation between multiple tenants or VM clusters.

Correct Answer: D

Explanation: Exadata Secure RDMA Fabric isolation is a feature that allows you to use virtualization on the X9M-2 platform while maintaining security and isolation between multiple tenants or VM clusters. Secure Fabric isolation works by creating a dedicated network partition and VLAN ID for each Database VM cluster, which is used for cluster networking between the database servers in the VM Cluster. This ensures that the network traffic of each VM cluster is isolated from the others, and it prevents unauthorized access to the data or resources of other VM clusters. Secure Fabric isolation can also be used for other purposes such as client networking, Data Guard traffic, but it\'s mainly used to provide security and isolation between multiple tenants or VM clusters.

According to Oracle\'s documentation1, Exadata Secure RDMA Fabric Isolation is a feature that enables strict network isolation for Oracle Real Application Clusters (Oracle RAC) clusters on Exadata Database Machine systems that use RDMA over Converged Ethernet (RoCE). Exadata Secure RDMA Fabric Isolation uses RoCE VLANs to ensure that network packets from one VM cluster cannot be seen by another VM cluster. VLAN tag enforcement is done at the KVM host level, which means that security cannot be bypassed by any software exploits or misconfiguration on the database server VMs1. Therefore, the statement that is true about how Exadata Secure RDMA Fabric isolation is used in X9M-2 with virtualization enabled is: With Secure Fabric isolation, each Database VM cluster uses a dedicated network partition and VLAN ID for cluster networking between the database servers in the VM Cluster. This provides security and isolation between multiple tenants or VM clusters.

QUESTION 2

You have been asked to investigate why an Exadata Database Server stopped communicating on the client network for 10 minutes over the past weekend.

Which command would help investigate this?

A. $ ${ORACLE_HOME}/suptools/tfa/release/tfa_home/bin/tfact1 --from _17:00:00 --to _23:59:00

B. # /opt/oracle.SupportTools/ibdiagtools/netcheck/runDiagnostics.pm --from _17:00:00 --to _23:59:00

C. # /opt/oracle.ExaWatcher/GetExaWatcherResults.sh --from _17:00:00 --to _23:59:00

D. # /opt/oracle.SupportTools/exachk/exachk --from _17:00:00 --to _23:59:00

Correct Answer: ABCD

Explanation: To investigate why an Exadata Database Server stopped communicating on the client network for 10 minutes over the past weekend, you can use the GetExaWatcherResults.sh script to collect and analyze ExaWatcher data for

a specified time range1.

Therefore, the command that you should use to investigate this is:

/opt/oracle.ExaWatcher/GetExaWatcherResults.sh --from _17:00:00 --to _23:59:00

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 are three customer options for hosting the Platinum Services Advanced Support Gateway?

A. Install on Oracle Database Appliance.

B. Provide individual x86 64-Bit gateway hardware.

C. Install in Oracle Virtual Machine with required hardware.

D. Purchase the recommended x86 64-Bit gateway hardware from Oracle.

E. Install on Exadata Engineered System.

Correct Answer: ABD

Explanation: According to Oracle\\'s documentation1, the customer options for hosting the Platinum Services Advanced Support Gateway are: Provide individual x86 64-Bit gateway hardware1 Purchase the recommended x86 64-Bit gateway hardware from Oracle1 Install on Oracle Database Appliance2

QUESTION 5

Which two options can be used to identify a damaged or failing flash card on an X9M-2 Database Machine High Capacity storage server?

A. using the CELLCLI CALIBRATE command on the storage server after logging in as the celladmin user

B. using the CELLCLI CALIBRATE command on the storage server after logging in as the root user

C. hardware monitoring using the storage server ILOM

D. using the CELLCLI list LUN DETAIL command as the celladmin user

Correct Answer: AC

The CELLCLI CALIBRATE command can be used to check the health of all flash cards in the storage server, and it should be run after logging in as the celladmin user. The hardware monitoring using the storage server ILOM should also be used to check for errors and other potential issues with the flash cards. The CELLCLI list LUN DETAIL command should not be used to identify a damaged or failing flash card, since it will not provide any information about the health of the flash card. https://docs.oracle.com/en/engineered-systems/exadata-database-machine/dbmmn/index.html

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