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QUESTIONS & ANSWERS
DEMO VERSION
(LIMITED CONTENT)

Question 1

Question Type: MultipleChoice

What is the minimum Exadata System Software version required for Exadata X9M?

Options:

- A- 20.1.1.0.0
- B- 19.2.1 0.0
- C- 21.2.0.0.0
- D- 19.3.0.0.0
- E- 18.1.3.0.0
- F- 21.3.0.0.0

Answer:

C

Explanation:

The minimum Exadata System Software version required to support Oracle Exadata X9M is 21.2.0.0.0. This version introduced various enhancements and capabilities tailored for the X9M series, including optimizations for the RoCE network fabric and support for new hardware components .

Question 2

Question Type: MultipleChoice

An Exadata X9M-2 Elastic Rack with 4 Database Servers and 8 HC Storage Servers and 3-phase 24kVA 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?

Options:

- A- A splitter cable can be used to provide power to all PDU cables.
- B- 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.

- C- The installation cannot proceed until two power feeds are available per PDU.
- D- The installation can go ahead, no change is required.

Answer:

C

Explanation:

In order for an Exadata X9M-2 Elastic Rack to be installed, two power feeds are required for each of the three-phase 24kVA PDUs. A single cable from each PDU will not be enough to power the rack, and neither a splitter cable nor rearrangement of the power cables from the servers to the PDUs will be able to provide sufficient power for the system. Therefore, the installation cannot proceed until two power feeds are available per PDU.

For more information about power requirements for Exadata X9M-2 Elastic Racks, refer to the Oracle Exadata Database Machine X9M Implementation Essentials official text book and resources.

Search results: [1] Oracle Exadata Database Machine X9M-2 Full Rack Installation - Oracle Docs [2] Exadata Database Machine X8M-2 Mid-Size Rack Installation - Oracle Docs

<https://docs.oracle.com/en/engineered-systems/exadata-database-machine/dbmin/exadata-site-requirements.html>

Question 3

Question Type: MultipleChoice

Your customer would like to configure monitoring capabilities Auto Service Request (ASR) on the stand-alone server that was set aside to run ASR Manager.

What configuration should you set up for the customer?

Options:

- A- ASR Manager inside the firewall along with ExaWatcher to monitor Database and Storage Server performance.
- B- Enterprise Manager, Exachk and ASR Manager on the stand-alone server because ASR needs Exachk for continuous Hardware monitoring.
- C- ASR Manager with SNMP traps configured to listen for specific alerts triggered by Exadata Intergrated Lights Out Manager (ILOM).
- D- Enterprise Manager and ASR Manager on the stand-alone server because ASR is not a monitoring tool.

Answer:

C

Explanation:

For setting up Auto Service Request (ASR) monitoring on a standalone server dedicated to ASR Manager:

ASR Manager with SNMP Traps: Configuring ASR Manager to utilize SNMP traps allows it to automatically receive alerts from the Integrated Lights Out Manager (ILOM) on Exadata components. The SNMP traps notify ASR Manager of specific hardware faults or critical system events, which then automatically generate service requests with Oracle Support.

This setup ensures proactive monitoring and allows rapid response to any critical alerts related to the Exadata hardware, leveraging the ILOM's ability to monitor key system health metrics and trigger alerts as necessary.

Question 4

Question Type: MultipleChoice

Which four actions should you take before proceeding with applying updates to your Exadata Database Machine?

Options:

- A- Consult My Oracle Support note 888828.1 to determine the current recommended Exadata software release.
- B- Check the Exadata Critical Issues My Oracle Support note 1270094.1 for any issues not added to the latest version of exachk.
- C- Run exachk and resolve only WARNINGS that you have not seen before.
- D- Run the appropriate patchmgr prerequisite check step for each component being updated.
- E- Run patchmgr --all_comp ---autofix ---autobackup ---upgrade ---rolling.
- F- For database servers, perform a server backup using patchmgr ---dbnodes db_list_file ---backup ---rolling.

Answer:

A, B, C, D

Explanation:

According to Oracle.com documents or resources, the four actions that you should take before proceeding with applying updates to your Exadata Database Machine are:

- A .Consult My Oracle Support note 888828.1 to determine the current recommended Exadata software release123.
- B .Check the Exadata Critical Issues My Oracle Support note 1270094.1 for any issues not added to the latest version of exachk453.
- C .Run exachk and resolve only WARNINGS that you have not seen before3.
- D .Run the appropriate patchmgr prerequisite check step for each component being updated3.

Question 5

Question Type: MultipleChoice

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?

Options:

- A- `$$ {ORACLE_HOME}/suptools/tfa/release/tfa_home/bin/tfact1 ---from <Fridays_Date>_17:00:00 ---to <Sundays_Date>_23:59:00`
- B- `# /opt/oracle.SupportTools/ibdiagtools/netcheck/runDiagnostics.pm ---from <Fridays_Date>_17:00:00 ---to <Sundays_Date>_23:59:00`
- C- `# /opt/oracle.ExaWatcher/GetExaWatcherResults.sh ---from <Fridays_Date>_17:00:00 ---to <Sundays_Date>_23:59:00`
- D- `# /opt/oracle.SupportTools/exachk/exachk ---from <Fridays_Date>_17:00:00 ---to <Sundays_Date>_23:59:00`

Answer:

C

Explanation:

<https://docs.oracle.com/en/engineered-systems/exadata-database-machine/dbmmn/maintaining-exadata-database-servers.html>

According to Oracle's documentation¹, one of the utilities for diagnostics and repair of Oracle Exadata Storage Server is ExaWatcher, which collects operating system and network metrics on database servers and storage servers. The utility is located in the /opt/oracle.ExaWatcher directory¹.

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 <Fridays_Date>_17:00:00 ---to  
<Sundays_Date>_23:59:00
```

Question 6

Question Type: MultipleChoice

Your system administrator reports an amber, non-blinking light on one of your Exadata storage disks. You immediately execute the 'list physicaldisk where diskType=HardDisk and status=failed DETAIL' command on the Exadata storage system and the specified disk is indeed reported as failed. Platinum Support has not been enabled for this system. Enterprise Manager Cloud Control is monitoring the system.

What is the next step that you should perform before you do anything else?

Options:

- A- Ask the system administrator to replace the broken disk with a spare.
- B- Check the database to see if any rebalance operations are active.
- C- Call Oracle Support and make an appointment so that the drive can be replaced.
- D- Wait for the email of the failure that Exadata or Enterprise Manager will send.
- E- Download and run the latest exadiag tool.
- F- Wait for a blue light to appear on the disk if the rebalance operation is running.

Answer:

F

Explanation:

According to Oracle documentation¹, Exadata Storage software has a complete set of automated operations for hard disk maintenance, when a hard disk has failed or has been flagged as a problematic disk. It will initiate a rebalance operation to redistribute data across other disks and mark

the failed disk with an amber light.

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