

# E20-326<sup>Q&As</sup>

Symmetrix Solutions Design Exam for Technology Architects Exam

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### QUESTION 1

You are assigned to design a storage solution for a customer's Oracle OLTP environment. The current configuration has performance issues. Users have complained about slow response.

What knowledge about a typical Oracle OLTP workload will help in the redesign of the storage environment so that it runs more optimally?

- A. Database tables and indexes are characterized by a large number of random I/Os. Redo logs are characterized by a large number of sequential I/Os.
- B. Redo logs are characterized by a large number of random I/Os. Database tables and indexes are characterized by a large number of sequential I/Os.
- C. Database tables, indexes, and redo logs are all characterized by a large number of sequential I/Os.
- D. Database tables, indexes, and redo logs are all characterized by a large number of random I/Os.

Correct Answer: A

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### QUESTION 2

A customer is facing intermittent outages on their SRDF/A link. Typically, an outage does not last for more than 5 minutes. The storage administrator is planning to configure transmit idle along with the DSE.

Applications on the production VMAX generate approximately 1500 write operations every second. Assuming that all writes are 128KB in size, how much disk space is required in the DSE pool?

- A. 45GB
- B. 55GB
- C. 65GB
- D. 80GB

Correct Answer: B

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### QUESTION 3

Which database workload is suitable for an EFD configuration?

- A. Database objects with a random read workload
- B. Oracle online redo logs and archive log files
- C. DSS database with high sequential write activity
- D. Database objects with pure sequential workload

Correct Answer: A

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**QUESTION 4**

You are designing a Symmetrix VMAX Virtual Provisioning solution for a VMware vSphere environment. Storage allocation must be guaranteed for some mission critical virtual machines.

Which format should be recommended when creating virtual disks for these mission critical virtual machines?

- A. eagerzeroedthick
- B. zeroedthick
- C. thin
- D. 2gbsparse

Correct Answer: A

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**QUESTION 5**

What is a Capacity Available for Active Replication (CAAR) consideration when using TimeFinder on a Symmetrix VMAX?

- A. TimeFinder VP Snap requires 2X protection slots for source and 1X protection slots for up to 16 targets
- B. TimeFinder/Snap requires protection slots for both source and target
- C. TimeFinder/Snap source requires 2X the protection slots of the target
- D. TimeFinder VP Snap requires 2X protection slots for both source and target for up to 32 targets

Correct Answer: A

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**QUESTION 6**

What is the effect of block size on response times in an SRDF/S environment?

- A. Larger block size applications experience higher response times
- B. Smaller block size applications experience higher response times
- C. Larger block size applications have the same response times as smaller block size applications
- D. Block size has no effect on response times

Correct Answer: A

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**QUESTION 7**

A customer plans to configure a storage pool on their new Symmetrix VMAX 20K. The pool must be able to withstand a

dual drive failure and still offer guaranteed data access.

Which RAID type should be used?

- A. Striped RAID 1
- B. RAID 5
- C. RAID 6
- D. RAID type does not matter

Correct Answer: C

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#### QUESTION 8

Which TimeFinder feature allows you to use TimeFinder/Mirror commands to perform operations on RAID 6 protected BCVs?

- A. TimeFinder/Clone emulation mode
- B. TimeFinder/Mirror compatibility mode
- C. TimeFinder/Clone compatibility mode
- D. Symmetrix Differential Data Facility

Correct Answer: D

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#### QUESTION 9

What determines the maximum cache requirements when modeling an SRDF/A Delta Set Extension configuration?

- A. Transmit Idle time for the peak workload
- B. Peak Cycle time for the peak workload
- C. Sum of the data changed for N and N+1 cycles without modification
- D. Sum of the data changed for N and N+1 cycles, modified by the Write Load Adjustment factor

Correct Answer: A

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#### QUESTION 10

A customer is interested in utilizing TimeFinder/Snap to generate a backup copy of an application every six hours. In order for you to calculate the SAVE Pool requirements you will need to run Change Tracker. To which value should you set the reset interval length for DeltaMark?

- A. 21600

- B. 10800
- C. 86400
- D. 32400

Correct Answer: A

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**QUESTION 11**

What is the functional description for Tier Advisor?

- A. An interactive performance modeling tool.
- B. A peak performance analysis tool.
- C. A tool that helps calculate DA utilization.
- D. A tool that recommends the right number of VMAX engines.

Correct Answer: A

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**QUESTION 12**

A colleague implemented cascaded SRDF for a VMAX technology refresh and site relocation activity. The colleague reports they shutdown the hosts at production Site A and copied all data to the bunker Site B VMAX. But they are unable to enable SRDF/S between Site B and remote Site C.

What should you advise them?

- A. SRDF/S is not supported on the second leg of a cascaded SRDF implementation.
- B. Enable SRDF/A on the first leg and then enable SRDF/S on the second leg.
- C. Suspend SRDF/S on the first leg and then enable SRDF/S on the second leg.
- D. The Site B devices must be converted to use concurrent SRDF.

Correct Answer: A

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**QUESTION 13**

What is the size of a fibre channel frame?

- A. 2112 bytes
- B. 1500 bytes
- C. 9000 bytes

D. 2148 bytes

Correct Answer: D

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#### QUESTION 14

You are designing an SRDF/S solution. The workload profile is:

Total I/Os per second = 10000

Write % = 25

Read block size = 8 KB

Write block size = 8 KB

Network bandwidth can be purchased in increments of single T3 (45 Mb/s) links. Data compression is not in use. How many T3s links would you recommend?

A. 6

B. 2

C. 4

D. 8

Correct Answer: A

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#### QUESTION 15

What are benefits of SRDF/A Multi-Session Consistency?

A. Consistency of R2 data across devices in multiple SRDF/ A sessions.Coordinated cycle switching of the SRDF/A sessions.

B. Sessions can be within or across Symmetrix arrays. Allows combining SRDF/S groups and SRDF/A groups.

C. Coordinated cycle switching of the SRDF/A sessions. "Failure" conditions are detected, so only the session in which the failure occurs will be stopped.

D. Provides Consistency Group "Trip" processing. "Failure" conditions are detected, so only the session in which the failure occurs will be stopped.

Correct Answer: A

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