

E20-326^{Q&As}

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QUESTION 1

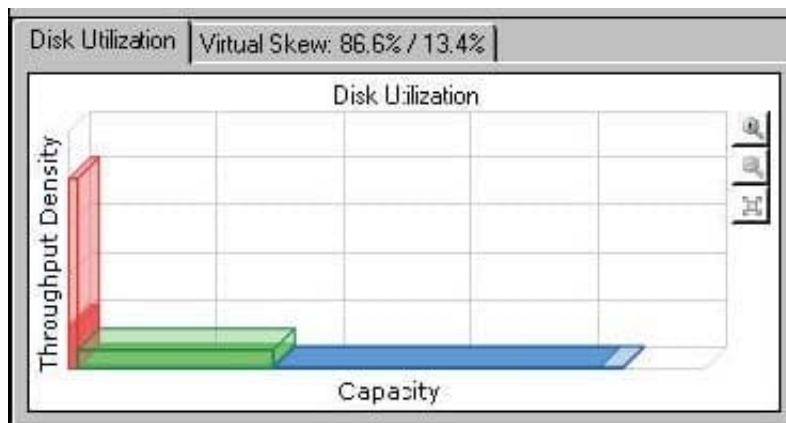
Your customer is interested in using Timefinder/Snap. You have determined there needs to be fifty save devices to handle the change rate for 125 virtual devices. The Save devices and the virtual devices are the same size. What should be recommended if source volume performance is a consideration?

- A. Recommend using Timefinder/Clone
- B. Spread the Save devices across as many DAs and disks as possible
- C. Recommend using RAID6 for the Save devices
- D. Allocate enough disks to handle the change rate

Correct Answer: A

QUESTION 2

Refer to the exhibit.



What would you see if you place your cursor on the bottom left of the horizontal axis (green section) of the graph in Tier Advisor?

- A. Recommended capacity and throughput utilization for the EFD tier
- B. Recommended capacity and throughput utilization for the SATA tier
- C. Recommended capacity and throughput utilization for the FC tier
- D. Recommended capacity and throughput utilization for the entire configuration

Correct Answer: C

QUESTION 3

A proposed SRDF/S solution was modeled with BCSD using host-based data.

The BCSD model assumed two engine VMAX arrays with SRDF Fibre ports.

The Compressed Throughput chart shows that the available throughput is greater than the peak throughput. The "Volume Exceptions" table lists ten devices.

What should you recommend?

- A. Use three engine VMAX arrays
- B. Provide more bandwidth
- C. Turn off software compression on the remote adapters
- D. Change the application layout

Correct Answer: D

QUESTION 4

What is the purpose of ISL trunking?

- A. Multi pathing
- B. Inter switch communication
- C. Traffic load balancing
- D. FC Routing

Correct Answer: C

QUESTION 5

What is a valid FAST VP policy that would be recommended by Tier Advisor?

- A. EFD 400GB RAID 5 (3+1) -30% FC 15K 300GB RAID 1 - 30% SATA 7200 1TB RAID 6 (6+2) - 30%
- B. EFD 400GB RAID 5 (3+1) -30% FC 15K 300GB RAID 1 - 30% FC 15K 400 GB RAID 5 (3+1) - 20% SATA 7200 1TB RAID 6 (6+2) - 30%
- C. EFD 400GB RAID 5 (3+1) -10% FC 15K 300GB RAID 1 - 50% SATA 7200 1TB RAID 6 (6+2) - 40%
- D. EFD 400GB RAID 5 (3+1) -10% FC 15K 300GB RAID 1 - 100% SATA 7200 1TB RAID 6 (6+2) - 100%

Correct Answer: C

QUESTION 6

A customer plans to migrate mainframe and UNIX hosts from another vendor's array to an EMC Symmetrix. You are responsible for the design of the VMAX 20K solution that is to be replicated to a metropolitan bunker site. There is no tolerance for data loss.

Which input data sets do you need for a BCSD design of the replication solution?

- A. CMF/SMF data for mainframe hosts SAR data for HP-UX hosts
- B. SMF/TPF for mainframe hosts SAR data for AIX hosts
- C. CMF/TPF data for mainframe hosts SAR data for Linux hosts
- D. SMF/TPF data for mainframe hosts IOSTAT data for AIX hosts

Correct Answer: A

QUESTION 7

Using Open replicator, when are the protection bitmap flags set to "1" for each track on the control device?

- A. When the session is created.
- B. When the session is terminated.
- C. When the session is activated.
- D. When the session is queried.

Correct Answer: A

QUESTION 8

A customer wants to protect production data using local and remote replication on a pair of VMAX arrays located 500 km apart. Both VMAX arrays are fully configured with virtually provisioned thin volumes.

The customer has a Recovery Point Objective (RPO) of thirty minutes and wants to replicate the production volumes to the remote array while maintaining a separate backup copy on the local array. Which replication options do you recommend they implement?

- A. TimeFinder/Clone and SRDF/A.
- B. TimeFinder/Clone and SRDF/S.
- C. TimeFinder/Mirror and SRDF/A.
- D. TimeFinder/Snap and SRDF/S.

Correct Answer: A

QUESTION 9

What is supported for the second leg (R21 -> R2) of an SRDF Extended Distance Protection (EDP) configuration?

- A. Adaptive copy disk mode

- B. SRDF/Synchronous
- C. SRDF/AR single hop
- D. Adaptive copy write pending mode

Correct Answer: D

QUESTION 10

You are designing the Symmetrix VMAX architecture for a DAS-to-SAN SQL Server migration. Currently all user databases reside on a single locally-attached disk enclosure, mounted to "M:". You have decided on RAID-1 protected 15,000 RPM drives for the new SQL environment.

Last week, you configured Perfmon to record the current IOPS load of the databases during the 8-hour business day, Monday through Friday as shown in the exhibit. During an average business day, the transaction log processes 43 GB worth of data.

Day 1		Day 2		Day 3		Day 4		Day 5	
Read	Write	Read	Write	Read	Write	Read	Write	Read	Write
858	1036	1067	903	1010	921	877	1078	841	855
1082	958	971	961	1047	1159	899	892	1080	956
829	1022	904	884	786	998	1191	917	1132	1146
780	1032	1123	879	877	1022	944	1130	981	1088
1165	1167	1079	1026	786	988	781	1076	841	1052
825	1113	758	1080	898	1140	984	1196	954	880
1152	994	894	921	817	1060	1036	980	930	994
1001	1175	762	1133	971	1200	1091	907	1045	997

Following EMC best practices, which discount can be taken from the overall write IOPS when calculating for the database writes?

- A. 196
- B. 392
- C. 597
- D. 989

Correct Answer: A

QUESTION 11

Using SRDF/S, In Engineuity 5772 and later, How many concurrent writes can a device receive?

- A. 6
- B. 16

C. 2

D. 8

Correct Answer: D

QUESTION 12

You are designing an SRDF over GigE solution. What is a consideration to maximize TCP connection scaling?

A. All GigE ports on the source array should be able to see all GigE ports on the target array

B. The MTU size must be hard set in the bin file on both the source and target arrays

C. Speed limit should be set on all GigE ports on both the source and target arrays

D. Jumbo frames must be enabled on the all GigE ports on both the source and target arrays

Correct Answer: A

QUESTION 13

A TimeFinder/Snap of production data must be recreated in a four hour cycle throughout the day. Which change tracker report will provide the best data for modeling a solution for the twenty- four hour period?

A. Delta report reset every four hours

B. SUM report over four hours

C. Delta report reset every twenty four hours

D. SUM report over twenty four hours

Correct Answer: A

QUESTION 14

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

Total I/Os per second = 30000

Write % = 20

Read block size = 4 KB

Write block size = 4 KB

Network bandwidth can be purchased in increments of single OC3 (155 Mb/s) links. Data compression is not in use. How many OC3 links would you recommend?

A. 1

B. 2

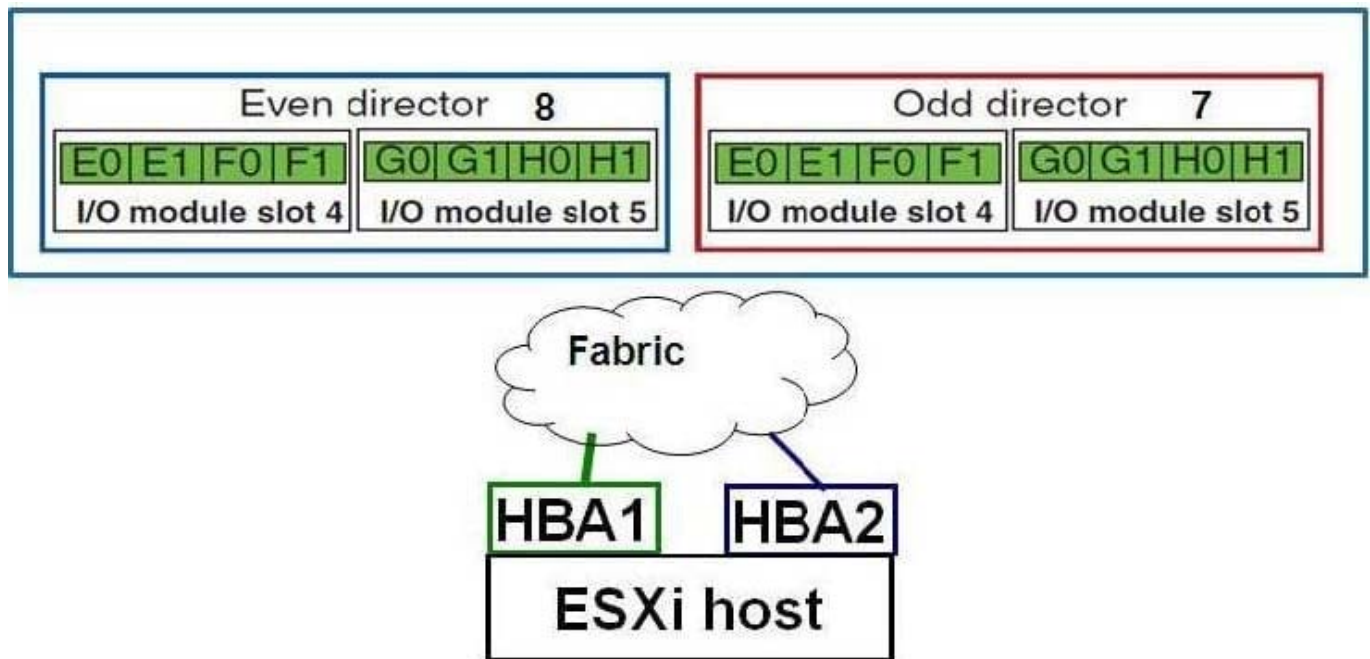
C. 3

D. 4

Correct Answer: B

QUESTION 15

Refer to the exhibit.



A company plans to deploy a one-engine Symmetrix VMAX array in their VMware vSphere environment. The ESXi hosts will be connected to the VMAX array over a FC SAN.

What is the recommended best practice when zoning an ESXi host with two HBAs to the VMAX?

- A. HBA 1 to Port E0 on Odd (7) Director HBA 1 to Port E0 on Even (8) Director HBA 2 to Port G0 on Odd (7) Director HBA 2 to Port G0 on Even (8) Director
- B. HBA 1 to Port E0 on Odd (7) Director HBA 1 to Port G0 on Odd (7) Director HBA 2 to Port E0 on Even (8) Director HBA 2 to Port G0 on Even (8) Director
- C. HBA 1 to Port E0 on Odd (7) Director HBA 1 to Port E1 on Odd (7) Director HBA 2 to Port G0 on Even (8) Director HBA 2 to Port G1 on Even (8) Director
- D. HBA 1 to Port E0 on Odd (7) Director HBA 1 to Port F0 on Odd (7) Director HBA 2 to Port G0 on Odd (7) Director HBA 2 to Port H0 on Odd (7) Director

Correct Answer: A

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