SNIA S10-300 SCSA Practice Questions

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Question 1

Question Type: MultipleChoice

When designing a high availability solution that relies on SAN infrastructure, which three steps should be taken? (Choose three.).

Options:

A- Ensure that single points of failure are eliminated where ever possible.
B- Practice manual fail-overs with all personnel that will manage the equipment.
C- Test the failover times during simulated load to ensure that the application will see no ill effects.
D- Joining both sides of the fabrics with an Inter-switch Link to achieve a higher level of redundancy.
E- Have good documentation and topology for all components with regards to the specifics of the implementation.

Answer:

A, C, E

Question 2

Question Type: MultipleChoice

Your company is implementing ITIL, you are creating a QA plan to ensure you meet approved SLAs. What is the most effective solution?

Options:

A- Create pricing penalties if you do not meet the SLAs.
B- Automate the failover of your applications in the event of significant performance issues.
C- Automate a reporting process to gather data relative to your SLA on an array basis (e.g., IO/s, downtime).
D- Automate a reporting process to gather data relative to your SLA on an application basis (e.g., IO/s, downtime).

Answer:

D

Question 3

Question Type: MultipleChoice

You are architecting a redundant SAN which will include 100 hosts with dual HBAs, 50 hosts with

quad HBAs, and storage arrays which have a total of 48 ports. The SAN implements redundant

Fabrics and redundant ISLs. A 128 port director is ten times as expensive as a 16 port switch.

Focusing on management, cost, performance, and future expansion, which solution is the most

effective?

Options:

A- 4 directors
B- 32 switches in a mesh configuration
C- 2 directors and 16 switches in a mesh configuration
D- 2 directors and 16 switches in a core edge configuration

Answer:

A

Question 4

Question Type: MultipleChoice

A client is consolidating a database server into an existing SAN attached array with 73 GB drives and a default LUN size of 8.8 GB. The server currently uses O/S based volume management on

9 GB LUNs carved from 36 GB drives in a direct attached disk array. The array is connected using two 100 MB/s FC ports. The file systems are set at a default blocksize of 2048. Which would be the most important to address in your design?

Options:

A- Adapt to standard LUN sizes, paying migration penalities

B- Upgrade connectivity from 100 to 200 GB, incurring upgrade cost
C- Account for change in access density from 36 GB to 73 GB drive
D- Determine capacity/performance impact of file system parameters

Answer:

A

Question 5

Question Type: MultipleChoice

What is not affected by distance?

Options:

A- Delay
B- Latency
C- Bandwidth
D- Throughput

Answer:

C

Question 6

Question Type: MultipleChoice

An existing SAN has been experiencing numerous faults in the past few months, you have been

Tasked with bringing the problems to solution and ensure reliability. Your primary concern is visibility into the SAN and the present lack of monitoring. Which two are true about the existing infrastructure? (Select two)

Options:

A- Evaluating vendor supplied tools, and knowledge base type documents may outline best practices for increasing reliability and reporting .
B- Requesting vendor assistance, and if need be custom builds of the firmware/software that runs your array to fix the specific problems that you encounter.

C- Testing and then Level settings firmware and code levels to a common vendor supported standard will allow you to avoid many of the problems that may have been encountered in the past.
D- Since SMI-S is an emerging standard, the likehood of being able to manage equipment bought in previous years is very low. A migration plan should be considered to an SMI-S complaint infrastructure.

Answer:

A, C

Question 7

Question Type: MultipleChoice

What information must be gathered during the testing phase BEFORE allowing live customer data on the storage infrastructure? (Choose two)

Options:

A- Time to failover, both without and with simulated load.
B- Single points of failure in the infrastructure as well as topology mapping
C- Hardware and software vendor escalation process including phone-home and /or ticket generation.
D- Powerup order, how long from power application to functionality per component, including dependencies.

Answer:

A, D

Question 8

Question Type: MultipleChoice

Company.com has a disk subsystem with eight ports. Each port delivers 200 MB/s. The customer

Wants a solution designed which allows access from 32 servers with no single point of failure.

Which number of HBAs and the associated throughput provide server access to the subsystem?

Options:

A- 16 HBAs, 75 MB/s
B- 32 HBAs, 90 MB/s
C- 64 HBAs, 25 MB/s
D- 64 HBAs, 50 MB/s

Answer:

C

Question 9

Question Type: MultipleChoice

After lab testing a solution, which two deliverables should be presented to the implementation team? (choose two)

Options:

A- List of tested and approved versioning and code
B- Performance metric showing maximum performance
C- Complete TCO and ROI documentation for the solution
D- Tested procedures and process for failover and redundancy

Answer:

A, D

Question 10

Question Type: MultipleChoice

The customer currently has 50 servers and 20 direct-attached storage array and wants to consolidate their data on a SAN. They want to be able to rapidly add storage and servers with minimum impact to data availability? Which topology is most appropriate?

Options:

A- Star
B- Mesh

C- Core-edge
D- Round-robin

Answer:

C

Question 11

Question Type: MultipleChoice

Company.com needs to create a tape backup strategy for a file system. On average the file system will be 60% full. Array based virtualization will be used to create the snapshot, which will only be used for the tape backup. Write activity on the production volume will be minimal during the backup process. Which will provide the least impact to the production application?

Options:

A- COW snapshot mounted to a tutor/mount server.
B- COW snapshot mounted to the application server.
C- Split mirror snapshot mounted to a tutor/mount server
D- Split mirror snapshot mounted to the application server.

Answer:

A

Question 12

Question Type: MultipleChoice

Company.com has consolidated multiple servers into a NAS solution and is redesigning their network to safeguard against malicious networking threats. The original servers were serving multiple subnets. To implement the solution including NAS failover, what should you do?

Options:

A- Implement VSANS
B- Implement VLAN technology

C- Implement FCIP with encryption.
D- Connect each data mover/filer to each subnet.

Answer:

B

Question 13

Question Type: MultipleChoice

You notice, from continually monitoring a SAN arry, that an array has a number of soft SCSI bus error. You trace the errors back to a single drive using a vendor's event tool. Which two would correct this? (Choose two)

Options:

A- You should pull the drive out immediately and replace it to prevent data corruption on the RAID set.
B- Soft SCSI bus errors can be safely ignored as they do not actually denote any service requirements.
C- You should research the error to determine the impact and proper response including the vendor in these discussions
D- Review the logs from the array to identify if there is a pattern of large numbers of these SCSI errors. A large number of these SCSI bus errors may denote a predictive failure.

Answer:

C, D

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