



# SNIA

## S10-300 Exam

### SNIA Architect - Assessment, Planning & Design Exam

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**Question: 1**

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A San is supporting Windows and SUN operating system. What should the administrator do to support the heterogeneous Oss?

- A. Use zoning to separate hosts.
- B. Have a different fabric for each OS.
- C. Use LUN masking to separate hosts.
- D. Direct attach each host to the storage array

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**Answer: A**

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**Question: 2**

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What is the primary objective of the storage capacity planning process?

- A. To demonstrate the effects of changes in storage service levels.
- B. To reach agreement with application representatives and management over the storage requirements.
- C. To produce a capacity plan at agreed intervals which fits into the business planning cycle, e.g. the financial year.
- D. To calculate the effects on ILM service levels, array and fabric utilization of the estimated demand over the period of the planning horizon.

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**Answer: C**

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**Question: 3**

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

- 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.

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**Answer: A, D**

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**Question: 4**

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Company.com is planning to implement a new service, and needs to deploy two servers in a active/passive cluster maintaining a large repository of data. This data will include three sets of data:  
SET 1:Stream type data:3MB Files on average :many thousands

SET 2:Large file data:200KB Files on average: many millions

SET 3:Small file data: 15 KB Files on average:hundereds of millions

The application developer is writing code that is specific to an implementation of clustering that requires block level access. Which solution does not degrade performance?

- A. A RAID 5 grouping for set 3, while deploying set 1 and 2 on the same RAID 0+1 set
- B. Deploying set 1 and 2 as independent RAID 5 groupings, while deploying set 3 as a RAID 0+1 set
- C. Creating a single RAID 5 grouping on the array and using the OS to partition each of the three sets
- D. Creating a single RAID 5 grouping on the array and using the array to partition each of the three sets from the same pack of physical har drive.

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**Answer: B**

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### Question: 5

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Company.com is using host based virtualization to mirror critical data between two vendors disk arrays. Which two scenarios are true? (Choose two)

- A. The host can use the same HBA to connect to both arrays.
- B. The customer can adhere to either vendors SAN design rules
- C. The customer must adhere to both vendors SAN design rules
- D. The host must use different HBAs with different firmware to connect to each array.

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**Answer: C, D**

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### Question: 6

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Which three principles best describe data collected during a strategic risk assessment of the Storage environment (including impacts on RTO/RPO)?

- A. Identification of loss scenarios
- B. Probability an include will occur
- C. Procedures to reduce possibility of error or failure
- D. Fault tolerant and resilient IT systems and networks
- E. Documenting acceptable loss levels and severity from a business perpective.

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**Answer: A ,B, E**

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### Question: 7

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Company.com needs to develop a fault tolerant solution. They have implemented a two server Cluster with application failover. They have two split mirror snapshots of their data and have implemented redundant Fabrics. Which solution should they implement?

- A. Each server in both Fabrics, each snapshot available to one host
- B. Each server in both Fabrics, each snapshot available to both host

- C. Each server in a separate Fabrics, each snapshot available to one host
- D. Each server in a separate Fabrics, each snapshot available to both host

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**Answer: B**

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**Question: 8**

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An error happened in the data center. According to ITIL principles, when is your job as storage administrator complete?

- A. When the problem is fixed
- B. When the cause of the error is determined
- C. When the problem is identified and the vendor is notified
- D. When a plan is developed to ensure the error does not reoccur

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**Answer: D**

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**Question: 9**

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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?

- A. Adapt to standard LUN sizes, paying migration penalties
- 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

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**Answer: A**

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**Question: 10**

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Company.com has created a disaster recovery (DR) plan and is synchronously replicating its data To remote facility. Which three must be identical between the remote and production site?

- A. LVM
- B. Server OS
- C. File system
- D. Storage array
- E. Server hardware

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**Answer: A, B, C**

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