SNIA Storage Networking Management/Administration
(S10-200) Exam Description

This test will certify that the successful candidate has knowledge of storage management and administration of a SAN.

This test will cover topics for the day to day management and administration of a storage networking environment and data center. This test will also address performance, fibre channel security and fibre channel protocol change management.

This test leverages Fibre Channel technology where appropriate but it does not cover basic concepts and technologies or detailed developer topics.

Suggested pre-requisite exam: SNIA Storage Network Foundations (S10-100)

Topic: Network Administration

- Identify steps or criteria for planning future growth of a Fibre Channel SAN
- Identify steps for storage allocation in a Fibre Channel SAN
- Create storage layouts using partitioning, protected data and security as criteria
- Identify criteria for planning connectivity
- Create implementation policy objectives
- Determine port assignments

Topic: Applied Fibre Channel Protocol (Change Management)

- Given a scenario, where the environment changes, identify steps needed to bring the environment back to a controlled situation.
- Given a scenario, troubleshoot a change management situation
- Given a scenario, analyze port log-in, fabric log-in and process log-in

Topic: Performance

- Given a scenario, assess the performance of a network storage environment
- Given a scenario, develop and follow steps for problem resolution
- Given a scenario, identify potential bottlenecks
- Identify the performance implications on the fabric involving RAID, caching and connectivity configurations
- Establish baselines for performance
- Determine the impact of replication techniques on local and remote fabrics

SNIA Storage Networking Management/Administration
(S10-200) Exam Description

Topic: Storage Networking Management

- Given a scenario, optimize redundancy within a switched environment
- Identify HBA configuration parameters
- Given a scenario, determine methodologies or tools to troubleshoot volume management issues
- Determine reasons to add or remove ISLs (Inter Switch Links)
- Identify the processes that occur on a switch during a fabric merge
- Given a scenario, calculate storage network device latency and propagation delay
- Identify performance considerations of fan-in, fan-out
- Identify ISL over-subscription advantages and disadvantages
- Identify the distance limitations between long-wave and short-wave Fibre
- Create/modify zone sets
- Identify the possible zoning conflicts that could cause fabric segmentation
- Determine methodologies or tools to troubleshoot zoning issues
- Given a scenario, show the tasks involved in monitoring and adhering to capacity planning processes

Topic: Business Continuance

- Identify methods for Implementing business recovery solutions using Fibre channel extension
- Identify components that should be used as part of a business continuance solution
- Given a scenario, identify information protection solutions using Fibre channel
- Identify steps to implement clustering in order to prevent single point of failure
- Given a scenario, demonstrate how to perform data transfers/migrations/ replications

Topic: Backup and Recovery

- Identify steps to restore Data from Backup
- Identify performance bottlenecks and how to correct them as it pertains to backup and recovery
- Given a scenario, analyze backup configuration to identify potential problems
- Determine database components and configurations to satisfy a backup and recovery solution
- Identify steps to track error logs within the operating system for backup and recovery messages

Topic: Security

- Implement port authentication protocols
- Identify steps to secure a fabric
- Identify the differences between Hard and Soft Zoning with respect to Security
- Identify steps to configure secure management access to Fibre switches