



This course highlights the process of storage assessment, planning, and design in vendor neutral terms. It covers the discipline of assessment and the art of matching business requirements to storage capabilities. Using a rational format, it discusses the underlying science of calculating capacity and art of performance modeling. It then integrates requirements, capabilities, and science facilitating real solutions. The setting is practical and applied with the goal of helping students do their tasks and provide leadership within the storage team to create business value.

Objectives

The primary objective of this course is to develop technical knowledge and skills required to effectively design storage infrastructure using current and emerging technologies. It will also help you to ask the right questions, both business and technical. The course provides a set of practical approaches required to help you lead the storage team. Delivery of objectives is in the context of application, data, and storage components.

Objectives include: • Assess • Plan • Design • Troubleshoot

Audience

The Storage Architect is an emerging role possessing the incredible opportunity to do today's work with a vision of tomorrow. Storage Architects draw from their experience to standardize processes, establish administrative tasks, monitor thresholds, and set data collection policies, recovery tasks, security levels, and troubleshooting steps. This course is for everyone responsible for the assessment, planning, and design; including those responsible for top tier technical support of new and existing storage products and services; this is typically limited to experienced development, administration, implementation, delivery, support, and management staff. Staff members required to complete the internationally recognized SNIA S10-300 Storage Assessment, Planning & Design examination will find this course essential.

Prerequisites

[S4001](#) Storage Network Foundations, [S4002](#) Hands-on SAN Management and Administration. Strong IT literacy, with at least five years experience in IT and two years in Storage Operations. Advanced computer skills and knowledge in at least one operating system. Technical skill developing complex solutions is a plus. Both a non-disclosure agreement and license agreement are required.

Related Courses

[S4001](#) Storage Network Foundations, [S4002](#) Hands-on SAN Management and Administration

EXAMINATION:

SNIA CERTIFIED ARCHITECT (SCA)

SNIA CERTIFIED STORAGE NETWORKING EXPERT (SCSN-E)



Examinations leading to **SNIA CERTIFIED ARCHITECT (SCA)** and **SNIA CERTIFIED STORAGE NETWORKING EXPERT (SCSN-E)** are held on all continents. Possession of this certificate is mandatory for all candidates who wish to reach 'full certification.'

Certificate Advantages

1. Certification insures that staff has a benchmarked level of knowledge and skill.
2. Some skills required in the exam are not skills that you have opportunity to use daily. The exam becomes a way to prove to yourself and others that you are prepared to do these more difficult tasks.
3. Recruiting and retention are simplified.
4. A mandatory requirement for some organizations. Customers of IT Storage Services are demanding that their suppliers have a 'license to operate'.
5. More than 200 professionals now hold the qualification.

COURSE CONTENTS

Assess

Gather current and future state requirements, documenting behaviors, conditions, and interactions on and between information systems. Identify storage capabilities needed to meet requirements, creating an idealized future-state. Gather technical data about the current storage infrastructure, using capability terms. Identify technical inconsistencies, risks, and bottlenecks.

Design

Define and explain the components and impact of integrating technology changes. Design for availability, B/R, and D/R for FC, IP, Array, NAS and management infrastructures. Demonstrate design value against access, security, volume, and growth.

ITIL™

Know the ITIL™ capacity planning process. Create a capacity plan for all storage related components in the infrastructure domain. Demonstrate knowledge of scalability, throughput, and bandwidth requirements, including impacts. Justify how a capacity plan aligns with application life cycle. Apply the planning process in an integrated solution approach (NAS, FC, IP, SAN, Array, B/R, D/R). Plan for storage and server consolidation.

Plan

Demonstrate the ability to take responsibility for coordination of all storage plans and strategies within the constraints of meeting storage requirements, technical coordination, measurement, and review of all progress and plans. Show practical knowledge of storage infrastructure capabilities and components and how to assemble and create a solution. Capabilities include media, replication, transports, and protocols. Components include disks, arrays, virtualization, network (SAN and IP), and backup and replication mechanisms.

Troubleshooting & Problem Resolution

Understand and apply an ITIL™ best practices approach in every part of this objective. Use advanced troubleshooting techniques and tools to solve storage problems; particularly where the architecture limitations exceed present and future capabilities. Plan and implement proof-of-concept and benchmark activities. Manage integration, data migration and continuity process. Create quality assurance strategy and procedures. Pursue an error free operation through development of qualitative and quantitative measurement criteria.

ITIL™ is a © Crown Copyright with Value Added Product Status

For information and registration, call 1-888-296-6682 Ext: 267 or email training@novaknowledge.com
Storage Architect - Assessment, Planning and Design is a Knowledge Transfer licensed curriculum © 2007 Knowledge Transfer