Exam Description

Hitachi Vantara Qualified Associate
Storage Concepts
HQT-0050 Exam

HITACHI

Exam Type
Qualification

Format
Non-proctored, open-book exam

Credential
Hitachi Vantara Qualified Associate – Storage Concepts

Validity 3 years

Delivery
Kryterion Webassessor System*

Questions 35

Passing Score 65%

Duration 60 minutes

Cost
US $75 or equivalent in local currency (plus local tax, depending on location)

Supporting Material
• CCP0110 Storage Concepts (online training within 1064CC online library)

This vendor-neutral test will validate that the successful candidate has knowledge of storage technology and concepts. The test covers data management and storage systems, components and technologies, networking, business continuity and replication, virtualization, file-and-content management, performance, and protocols.

Audience: This vendor-neutral exam is for anyone interested in storage technology. IT professionals who seek knowledge on storage, and junior IT professionals looking to carve out a career path and looking to focus on storage are ideal candidates for this exam. College and university students and recent graduates will gain a head start on their IT careers by earning this Storage Concepts qualification.

Test Objectives	
Section 1	**Introduction to data storage**
1.1	Describe the different types of data.
1.2	Explain a storage system's view of data.
Section 2	**Storage components**
2.1	Identify the major components of a storage system.
2.2	Identify different RAID technologies.
Section 3	**Storage networking and security**
3.1	Describe networking components.
3.2	Describe network topologies.
3.3	Describe the SAN architecture.
3.4	Describe the NAS architecture.
Section 4	**Business continuity and replication**
4.1	Describe data backup and data replication concepts.
4.2	Identify in-system replication techniques and benefits.
4.3	Identify remote-replication techniques and benefits.
4.4	Describe data center replication strategies.
Section 5	**Virtualization of storage systems**
5.1	Identify storage virtualization techniques.
5.2	Describe tiered-storage environments.
5.3	Describe thin-provisioning concepts.
5.4	Describe controller-based virtualization.
Section 6	**Archiving**
6.1	Identify files, objects, and metadata.
6.2	Identify archiving solutions and strategies.
Section 7	**Storage system administration**
7.1	Describe storage management operations.
Section 8	**Performance tuning and optimization**
8.1	Articulate storage system performance concepts.
8.2	Describe performance monitoring and reporting tools.

Section 9	Business Challenges
9.1	Describe the types of storage demands in today's marketplace.
9.2	Identify storage issues and data center infrastructure challenges.
9.3	Describe ways to achieve energy-efficient, ecologically aware storage implementations.

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