Hitachi Vantara Qualified Professional
VSP One File Administration
HQT-6230 Exam

HITACHI

Exam Type
Qualification

Format
Proctored, closed book exam

Credential
Hitachi Vantara Qualified Professional – VSP One File Administration

Validity 3 years

Delivery
Kryterion Webassessor System*

Questions 35

Passing Score 65%

Duration 60 minutes

Cost
US $100 or equivalent in local currency (plus local tax, depending on location)

Supporting Material
• TCI2910 - Managing Hitachi VSP One File Platform (5-day ILT)

This test is primarily designed for Hitachi Vantara customers who use and administer Hitachi VSP One File systems. It is also available to Hitachi Vantara employees and partners. The test will validate that the successful candidate has knowledge of system configuration and recommended management practices that relate to administering the systems in a customer environment. The topics covered include clustering, Hitachi Enterprise Virtual Server (EVS), storage pools, file systems, access protocols, VSP One File Administrator GUI, data protection and migration. This test covers the Hitachi VSP One File models 30 and the Hitachi NAS Platform models 5000.

Audience: Hitachi Vantara Customer, Partner, and Employee NAS Administrators

NAS administrators should have knowledge of file systems, UNIX and Microsoft Windows network management, network switch and router configuration, management and maintenance. They are responsible for creating storage pools and virtual machines, for building and maintaining clusters, and for working with SMB and NFS file shares. They also understand replication, disaster-recovery and migration processes.

Test Objectives	
Section 1	**Hitachi NAS overview**
1.1	Describe the Hitachi NAS systems.
1.2	Describe the architecture and functionality of the Hitachi NAS systems.
1.3	Describe the software-license management process for Hitachi NAS systems.
Section 2	**SMU NAS Manager and File Administrator**
2.1	Describe how to use the NAS Manager on Hitachi NAS systems.
2.2	Describe how to use the File Administrator on Hitachi NAS systems.
Section 3	**Configuration and management**
3.1	Describe the Hitachi NAS systems cabling and network connectivity.
3.2	Describe the Hitachi NAS systems management services.
3.3	Describe the Command Line Interface (CLI) associated with Hitachi NAS systems.
Section 4	**Clustering**
4.1	Describe clustering concepts.
4.2	Describe the Cluster Name Space (CNS) and cluster read cache features.

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Section 5	Networking
5.1	Describe the network setup of the Hitachi NAS systems.
5.2	Describe how to setup and use link aggregation groups.
5.3	Describe how to use vlan tagging with Hitachi NAS systems.
Section 6	**Storage pools**
6.1	Describe system drives characteristics and how they are used in the Hitachi NAS systems.
6.2	Describe tiered storage pools setup and utilization.
Section 7	**Enterprise Virtual Servers (EVS)**
7.1	Describe how to create an Enterprise Virtual Servers (EVS).
7.2	Describe Enterprise Virtual Servers (EVS) security and level routing.
Section 8	**File systems**
8.1	Describe file systems' structure, specifications and limitations.
8.2	Describe Hitachi NAS systems file systems' features.
8.3	Describe deduplication concepts for Hitachi NAS systems.
8.4	Describe how virtual volumes and quotas are used in Hitachi NAS systems.
Section 9	**Access protocols**
9.1	Describe file sharing (NFS and SMB shares and exports) in Windows and Unix/Linux environments.
9.2	Describe access protocol security and the access protocols supported by Hitachi NAS systems.
Section 10	**Data protection**
10.1	Describe snapshots and cloning concepts.
10.2	Describe object replication with Hitachi NAS systems.
10.3	Describe file replication with Hitachi NAS systems.
10.4	Describe high-availability and disaster recovery with Hitachi NAS systems.
Section 11	**Migration**
11.1	Describe data migration concepts with Hitachi NAS systems.
11.2	Describe how to perform a data migration with Hitachi NAS systems.

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