

**EXAM DESCRIPTION**

# Hitachi Vantara Qualified Professional NAS Administration HQT-6200 Exam

**Exam Type**

Qualification

**Format**

Proctored, closed book exam

**Credential**

Hitachi Vantara Qualified Professional – NAS 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 Network Attached Storage (NAS) (5-day ILT)

This test is primarily designed for Hitachi Vantara customers who use and administer Hitachi NAS 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) for NAS, storage pools, file systems, access protocols, data protection and migration. The test covers Hitachi NAS Platform models 4xxx/5xxx and Hitachi VSP series with NAS modules.

**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	
<b>Section 1</b>	<b>Hitachi NAS overview</b>
1.1	Describe the Hitachi NAS systems.
1.2	Describe the architecture and functionality of the Hitachi NAS systems.
<b>Section 2</b>	<b>Configuration and management</b>
2.1	Describe the Hitachi NAS systems cabling and network connectivity.
2.2	Describe how to use Hitachi NAS user accounts.
2.3	Describe the Hitachi NAS systems managements services.
2.4	Describe the Command Line Interface (CLI) associated with Hitachi NAS systems.
<b>Section 3</b>	<b>Clustering</b>
3.1	Describe clustering concepts.
3.2	Describe the Cluster Name Space (CNS) and cluster read cache features.
<b>Section 4</b>	<b>Networking</b>
4.1	Describe the network setup of the Hitachi NAS server family.
4.2	Describe how to setup and use link aggregation groups.
4.3	Describe how to use vlan tagging with Hitachi NAS systems.

\* Depending on the location and course delivery format, this closed-book, proctored qualification test may also be offered and administered by the instructor at the conclusion of the supporting course.

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<b>Section 5</b>	<b>Storage pools</b>
5.1	Describe system drives characteristics and how they are used in the Hitachi NAS server family.
5.2	Describe tiered storage pools setup and utilization.
<b>Section 6</b>	<b>Enterprise Virtual Servers (EVS)</b>
6.1	Describe how to create an Enterprise Virtual Servers (EVS).
6.2	Describe Enterprise Virtual Servers (EVS) security and level routing.
<b>Section 7</b>	<b>File systems</b>
7.1	Describe file systems' structure, specifications, and limitations.
7.2	Describe Hitachi NAS systems file systems' features.
7.3	Describe deduplication concepts for Hitachi NAS systems.
7.4	Describe how virtual volumes and quotas are used in Hitachi NAS systems.
<b>Section 8</b>	<b>Access protocols</b>
8.1	Describe file sharing (NFS and SMB shares and exports) in Windows and Unix/Linux environments.
8.2	Describe access protocol security and the access protocols supported by Hitachi NAS systems.
<b>Section 9</b>	<b>Data protection</b>
9.1	Describe snapshots and cloning concepts.
9.2	Describe object replication with Hitachi NAS systems.
9.3	Describe file replication with Hitachi NAS systems.
<b>Section 10</b>	<b>Migration</b>
10.1	Describe data migration concepts with Hitachi NAS systems.
10.2	Describe how to perform a data migration with Hitachi NAS systems.

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