

**EXAM DESCRIPTION**

# Hitachi Vantara Qualified Professional NAS Installation HQT-4210 Exam

**Exam Type**

Qualification

**Format**

Proctored, closed book exam

**Credential**

Hitachi Vantara Qualified Professional – NAS Installation

**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**

- TCI2035 Installation and Maintenance of Hitachi NAS Platform

This test is designed for Hitachi Vantara employees and partners who install Hitachi NAS Platform systems. The test will validate that the successful candidate has knowledge and skills in installing, configuring and supporting Hitachi NAS Platform systems at customer sites. This includes strong knowledge of the systems hardware and related management software, and thorough understanding of installation and configuration procedures as well as associated administrative activities. The test also covers the tools, techniques and best practices related to supporting and servicing Hitachi NAS Platforms. This test covers the Hitachi NAS Platform models 4000 and 5000.

**Audience: Hitachi Vantara Employee and Partner Installation Professionals**

Hitachi NAS Platform installation professionals should have strong knowledge and skills in installing and supporting the hardware systems deployed as part of Hitachi NAS Platform solution implementations. These professionals have knowledge of file-oriented network concepts and interoperability. They perform pre-installation checks, install, configure and test the systems so they can be handed over in an operational state to customers. They also provide post-installation services including support, maintenance, updates and upgrades and have knowledge of problem-determination and incident-resolution procedures, tools and techniques.

Test Objectives	
<b>Section 1</b>	<b>Hitachi NAS Platform overview</b>
1.1	Describe the Hitachi NAS Platform models and their specifications.
1.2	Describe the Hitachi NAS Platform management network.
<b>Section 2</b>	<b>Hitachi NAS Platform hardware architecture</b>
2.1	Describe the Hitachi NAS Platform hardware architecture.
<b>Section 3</b>	<b>Hitachi NAS Platform software architecture</b>
3.1	Describe the Hitachi NAS Platform operating system software components.
3.2	Describe the software-license management process for a Hitachi NAS Platform.
<b>Section 4</b>	<b>Hitachi NAS Platform installation and setup</b>
4.1	Describe initial installation and configuration processes for a single node Hitachi NAS Platform with an embedded SMU.
4.2	Describe initial installation and configuration processes for a Hitachi NAS Platform cluster.
<b>Section 5</b>	<b>Ethernet and Fibre Channel networks</b>
5.1	Describe network features leveraged by a Hitachi NAS Platform.
5.2	Describe how link aggregation is used by a Hitachi NAS Platform.
5.3	Identify Hitachi NAS Platform best practices for accessing direct-attached storage system.

\* 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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5.4	Identify Hitachi NAS Platform best practices for accessing storage systems over SAN.
5.5	Describe the process of configuring the Fibre Channel ports on a Hitachi NAS Platform.
<b>Section 6</b>	<b>Hitachi NAS Platform file system</b>
6.1	Describe the system drives discovery process.
6.2	Describe how Hitachi Dynamic Provisioning pools are used in a Hitachi NAS Platform.
6.3	Describe Hitachi NAS Platform storage pool specifications.
6.4	Describe the Hitachi NAS Platform file system structure and specifications.
<b>Section 7</b>	<b>Hitachi NAS Platform access protocols</b>
7.1	Describe the Hitachi NAS Platform file system access for Microsoft Windows and Unix.
<b>Section 8</b>	<b>Hitachi NAS Platform N-way clustering</b>
8.1	Describe clustering principles for a Hitachi NAS Platform.
8.2	Describe cluster failover reporting.
8.3	Describe the operations of cluster name spaces.
<b>Section 9</b>	<b>Hitachi NAS Platform maintenance and troubleshooting</b>
9.1	Demonstrate how to use Hitachi NAS Platform GUI management tools.
9.2	Demonstrate how to use Hitachi NAS Platform CLI management tools.
9.3	Describe firmware upgrade procedure for a Hitachi NAS Platform.
9.4	Demonstrate how to integrate a Hitachi Remote Ops Monitor Agent with a Hitachi NAS Platform.
9.5	Demonstrate how to collect data for troubleshooting and problem-escalation purposes.
9.6	Describe hardware-upgrade and parts-replacement procedures for a Hitachi NAS Platform.

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