



**EXAM DESCRIPTION**

**Hitachi Data Systems Qualified Professional – NAS Installation HQT-4210 Exam**

<b>Description:</b>	This test is designed for Hitachi Data Systems 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 3000 and 4000.
<b>Audience:</b>	Hitachi Data Systems 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.
<b>Supporting material:</b>	TCI2035 Installing and Supporting Hitachi NAS Platform (4d ILT)
<b>Exam type:</b>	Qualification
<b>Format:</b>	Proctored, closed-book exam
<b>Credential:</b>	Hitachi Data Systems Qualified Professional - NAS installation
<b>Delivery:</b>	The exam is available through the <a href="#">Kryterion Webassessor</a> 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.
<b>Questions:</b>	35
<b>Passing score:</b>	65%
<b>Duration:</b>	60 minutes
<b>Cost:</b>	US\$100

**Test Objectives**

<b>Section 1</b>	<b>Understanding block-level network interface</b>
1.1	Identify Hitachi NAS Platform best practices for accessing direct-attached storage system.
1.2	Identify Hitachi NAS Platform best practices for accessing storage systems over SAN.
1.3	Describe the process of configuring the Fibre Channel ports on a Hitachi NAS Platform.
<b>Section 2</b>	<b>Understanding file-level network interface</b>
2.1	Describe network features leveraged by a Hitachi NAS Platform.
2.2	Demonstrate how to prepare a Hitachi NAS Platform for integration into a customer's network.
<b>Section 3</b>	<b>Hitachi NAS Platform pre-installation</b>
3.1	Identify technical pre-installation information required to successfully deploy a Hitachi NAS Platform into a customer's environment.
<b>Section 4</b>	<b>Hitachi NAS Platform installation and setup</b>
4.1	Describe initial installation and configuration processes for a Hitachi NAS Platform.
4.2	Describe the software-license management process for a Hitachi NAS Platform.

4.3	Identify Hitachi NAS Platform best practices for provisioning capacity to end users.
4.4	Describe the capacity expansion process for a Hitachi NAS Platform.
<b>Section 5</b>	<b>Hitachi NAS Platform cluster installation and setup</b>
5.1	Describe clustering principles for a Hitachi NAS Platform.
5.2	Identify the hardware media-type requirements for Hitachi NAS Platform cluster inter-connect.
5.3	Describe the cluster node expansion process for a Hitachi NAS Platform.
<b>Section 6</b>	<b>Installing a Hitachi NAS Platform in a disaster recovery environment</b>
6.1	Describe Hitachi NAS Platform clustering technologies used in disaster-recovery solutions.
<b>Section 7</b>	<b>Hitachi NAS Platform system management</b>
7.1	Demonstrate how to use Hitachi NAS Platform GUI management tools.
7.2	Demonstrate how to use Hitachi NAS Platform CLI management tools.
7.3	Demonstrate how to integrate a Hitachi NAS Platform with Hitachi Command Suite.
<b>Section 8</b>	<b>Hitachi NAS Platform support</b>
8.1	Demonstrate how to integrate a Hi-Track monitor agent with a Hitachi NAS Platform.
8.2	Describe firmware upgrade procedure for a Hitachi NAS Platform.
8.3	Describe hardware-upgrade and parts-replacement procedures for a Hitachi NAS Platform.
8.4	Demonstrate how to collect data for troubleshooting and problem-escalation purposes.
8.5	Describe problem-determination and incident-resolution procedures for a Hitachi NAS Platform.