

**EXAM DESCRIPTION**

# Hitachi Vantara Qualified Professional VSP One File Installation HQT-4230 Exam

**Exam Type**  
Qualification

**Format**  
Proctored, closed book exam

**Credential**  
Hitachi Vantara Qualified Professional – VSP One File 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 Installing and Supporting Hitachi VSP One File

This test is designed for Hitachi Vantara employees and partners who install Hitachi VSP One File platforms. The test will validate that the successful candidate has knowledge and skills in installing, configuring and supporting Hitachi VSP One File 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 VSP One File. This test covers the Hitachi VSP One File models 30 and the Hitachi NAS Platform models 5000.

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

Hitachi VSP One File installation professionals should have strong knowledge and skills in installing and supporting the hardware systems deployed as part of Hitachi NAS solutions 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 VSP One File overview</b>
1.1	Describe the Hitachi VSP One File models and their specifications.
1.2	Describe the Hitachi VSP One File management network.
<b>Section 2</b>	<b>Hitachi VSP One File hardware architecture</b>
2.1	Describe the Hitachi VSP One File hardware architecture.
<b>Section 3</b>	<b>Hitachi VSP One File software architecture</b>
3.1	Describe the Hitachi VSP One File operating system software components.
3.2	Describe the software-license management process for Hitachi VSP One File.
<b>Section 4</b>	<b>Hitachi VSP One File installation and setup</b>
4.1	Describe the initial installation and configuration processes for a single node Hitachi VSP One File with an embedded SMU.
4.2	Describe the initial installation and configuration processes for a Hitachi VSP One File cluster.
<b>Section 5</b>	<b>Ethernet and Fibre Channel networks</b>
5.1	Describe network features leveraged by Hitachi VSP One File.
5.2	Describe how link aggregation is used by Hitachi VSP One File.

\* 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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5.3	Identify Hitachi VSP One File best practices for accessing direct-attached storage system.
5.4	Identify Hitachi VSP One File best practices for accessing storage systems over SAN.
5.5	Describe the process of configuring the Fibre Channel ports on Hitachi VSP One File.
<b>Section 6</b>	<b>Hitachi VSP One File file system</b>
6.1	Describe the system drives discovery process.
6.2	Describe how Hitachi Dynamic Provisioning pools are used in Hitachi VSP One File.
6.3	Describe Hitachi VSP One File storage pool specifications.
6.4	Describe the Hitachi VSP One File file system structure and specifications.
<b>Section 7</b>	<b>Hitachi VSP One File access protocols</b>
7.1	Describe the Hitachi VSP One File file system access for Microsoft Windows and Unix.
<b>Section 8</b>	<b>Hitachi VSP One File N-way clustering</b>
8.1	Describe clustering principles for Hitachi VSP One File.
8.2	Describe cluster failover reporting.
8.3	Describe the operations of cluster name spaces.
<b>Section 9</b>	<b>Hitachi VSP One File maintenance and troubleshooting</b>
9.1	Demonstrate how to use the Hitachi VSP One File GUI management tools.
9.2	Demonstrate how to use the Hitachi VSP One File CLI management tools.
9.3	Describe firmware upgrade procedures for Hitachi VSP One File.
9.4	Demonstrate how to integrate a Hitachi Remote Ops Monitor Agent with Hitachi VSP One File.
9.5	Demonstrate how to collect data for troubleshooting and problem-escalation purposes.
9.6	Describe hardware-upgrade and parts-replacement procedures for Hitachi VSP One File.

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