

# Test HQT-4160 Testking & HQT-4160 Study Plan



**Exam Type**  
Qualification

**Format**  
Proctored, closed book exam

**Credential**  
Hitachi Vantara Qualified Professional - VSP 5000 Series Installation

**Validity** 3 years

**Delivery**  
Krylixon 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**  
• 1090PI - Installing and Configuring the Hitachi VSP 5000 Series (5 day-ILT)

This test is designed for Hitachi Vantara employees and partners who install Hitachi Virtual Storage Platform (VSP) 5000 series systems. The test will validate that the successful candidate has knowledge and skills in installing, configuring and supporting VSP 5000 series systems at customer sites. This includes strong knowledge of the systems' hardware and associated program products, thorough understanding of installation and configuration procedures, and associated support activities. This test covers Hitachi Virtual Storage Platform models VSP 5100(H), VSP 5500(H), VSP 5200(H) and VSP 5600(H).

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

Hitachi VSP 5000 series installation professionals should have strong knowledge and skills in installing and supporting storage systems deployed as part of VSP 5000 series solutions implementation. They perform pre-installation checks and 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 System Architecture</b>	
1.1	Describe the different VSP 5000 models and their specifications.
1.2	Describe the VSP 5000 systems architecture, their components and their functions.
1.3	Describe the front-end design and layout of VSP 5000 systems and the supported Channel Boards (CHBs).
1.4	Describe the back-end design and layout of VSP 5000 systems and the supported Disk Adapters (DKAs).
<b>Section 2 System Pre-Installation and Installation</b>	
2.1	Describe the VSP 5000 storage systems pre-installation procedures and documentation.
2.2	Describe the VSP 5000 disk controllers (DKCs) interconnections.
2.3	Describe the "New Installation" procedure for VSP 5000 storage systems and when it is appropriate to use.
2.4	Describe the VSP 5000 storage systems network settings.
2.5	Describe the VSP 5000 storage microcode upgrade procedures.
<b>Section 3 System Configuration</b>	
3.1	Describe the key steps involved in the installation of VSP 5000 storage systems.
3.2	Describe how to create Parity Groups on VSP 5000 storage 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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Hitachi HQT-4160 Certification Exam is a valuable credential for IT professionals, storage administrators, system engineers, and other professionals who want to become qualified in the Hitachi Vantara VSP 5000 Series Installation. Hitachi Vantara Qualified Professional - VSP 5000 Series Installation certification exam is designed to test the knowledge, skills, and abilities required to install and configure the VSP 5000 Series storage system. It is a challenging exam that requires a high level of knowledge and skills to pass, but it is a valuable credential that can help professionals advance their careers and demonstrate their expertise in Hitachi Vantara storage solutions.

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## Pass Guaranteed Hitachi - HQT-4160 - Hitachi Vantara Qualified Professional - VSP 5000 Series Installation Authoritative Test Testking

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Hitachi HQT-4160, also known as the Hitachi Vantara Qualified Professional - VSP 5000 Series Installation Certification Exam, is a globally recognized certification program that is designed to validate the skills and knowledge of individuals in the installation and setup of Hitachi Vantara VSP 5000 Series systems. HQT-4160 Exam covers a wide range of topics, including storage architecture, installation and configuration, maintenance, data migration and replication, and troubleshooting.

## Hitachi Vantara Qualified Professional - VSP 5000 Series Installation Sample Questions (Q34-Q39):

### NEW QUESTION # 34

Which tool is used for part replacement in a VSP 5000 system?

- A. Web Console
- B. Hi-Track
- C. Maintenance Utility
- D. Storage Navigator

**Answer: C**

Explanation:

The Maintenance Utility is the designated tool for performing part replacement operations in a VSP 5000 system. It provides the necessary procedures to safely block, replace, and unblock hardware components.

### NEW QUESTION # 35

In a VSP 5100 a drive in a RAID5 Parity Group has failed and has been blocked by the microcode. As a result, which process gets automatically started?

- A. Dynamic Sparing
- B. Correction Copy
- C. Copy Back
- D. Sparing Copy

**Answer: B**

Explanation:

When a drive in a RAID5 Parity Group fails and is blocked by the microcode in a VSP 5100, the Correction Copy process is automatically started to rebuild the data onto a spare drive.

### NEW QUESTION # 36

What distinguishes the back-end design of VSP 5000 systems from traditional storage systems?

- A. The direct connection to cloud storage
- B. The absence of any physical drives
- C. The use of Disk Adapters (DKAs) for enhanced data management
- D. The use of solid-state drives only

**Answer: C**

Explanation:

In the Hitachi VSP 5000 storage system:

Disk Adapters (DKAs) are specialized components that manage communication between the storage controllers and physical disks.

DKAs provide:

Efficient I/O routing

Support for multiple disk types (SSD, SAS, etc.)

RAID management and data distribution

High performance and reliability compared to traditional storage systems that rely on simpler disk controllers. This back-end architecture allows the VSP 5000 to handle large-scale, high-speed enterprise workloads while maintaining data protection and flexibility.

#### NEW QUESTION # 37

What is the first step in troubleshooting incidents on VSP 5000 storage systems?

- A. Upgrading the firmware
- **B. Checking the log files**
- C. Contacting customer support
- D. Rebooting the system

**Answer: B**

Explanation:

In the Hitachi VSP 5000 storage system, log files are the first source of information when troubleshooting any incident.

Reasons to start with log files:

Identify error messages related to hardware, connectivity, or software issues.

Determine the exact time and nature of failures.

Assist in diagnosing problems without disrupting operations.

Provide detailed information for support escalation if needed.

#### NEW QUESTION # 38

During the parts-replacement process on a VSP 5000 storage system, what is the recommended action before removing any component?

- A. Notifying all connected users about the impending downtime
- B. Isolating the power supply to the specific component
- C. Documenting the serial number of the component
- **D. Ensuring the system is in maintenance mode**

**Answer: D**

Explanation:

Before replacing any component in a Hitachi VSP 5000 storage system, it is critical to put the system or the affected controller/module into maintenance mode.

This ensures:

No active I/O is directed to the component being replaced.

Data integrity is preserved during the removal and replacement process.

The system prevents accidental disruptions to other parts of the storage array.

Automatic failover or rebuild processes do not interfere with the replacement.

#### NEW QUESTION # 39

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