

EXAM DESCRIPTION

**Hitachi Data Systems Certified Specialist
Hitachi Virtual Storage Platform (VSP) G1500 and VSP F1500 Storage Installation
HCE-4140 Exam**

Description:	This test is designed for Hitachi Data Systems employees and partners. It validates that the successful candidate has knowledge and skills in installing, configuring and supporting Hitachi Virtual Storage Platform G1500 and VSP F1500 enterprise-level storage systems at customer sites. This includes strong knowledge of the systems hardware and associated program products, 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 the systems.
Audience:	Hitachi Data Systems employee and partner installation professionals. Hitachi VSP G1500 and VSP F1500 installation professionals should have strong knowledge and skills in installing and supporting storage systems deployed as part of Hitachi enterprise-level storage solution implementations. 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.
Supporting material:	THI2526 Installing, Configuring and Maintaining Hitachi Virtual Storage Platform G1000 (ILT ¹) TCI2885 VSP G1500, VSP F1500 and SVOS ² 7.0 Differences (ILT) TCW2884 VSP G1500, VSP F1500 and SVOS 7.0 Differences (WBT ³ or packaged recording)
Exam type:	Certification
Format:	Proctored, closed-book exam
Credential:	Hitachi Data Systems Certified Specialist - VSP G1500 and VSP F1500 Storage Installation
Delivery:	The exam is available through the Kryterion Webassessor system.
Questions:	60
Passing score:	68%
Duration:	90 minutes
Cost:	US\$225

Test Objectives

Section 1	System Architecture and Operating Concepts
1.1	Describe the architecture, components and features of VSP G1500 and VSP F1500 storage systems.
1.2	Describe the program products available in VSP G1500 and VSP F1500 storage systems.
Section 2	System Pre-Installation Planning
2.1	Describe VSP G1500 and VSP F1500 storage systems pre-installation procedures and documentation.
Section 3	System Installation , Configuration and Upgrades
3.1	Describe the "New Installation" procedure of VSP G1500 and VSP F1500 storage systems and identify when it is appropriate to use.
3.2	Describe the key steps involved in the installation and the configuration of VSP G1500 and VSP

¹ ILT = instructor-led training

² SVOS = Hitachi Storage Virtualization Operating System

³ WBT = web-based training

	F1500 storage systems.
3.3	Describe how to configure the channel adapter ports in VSP G1500 and VSP F1500 storage systems for integration into customer environments.
3.4	Describe how program products are enabled and used on VSP G1500 and VSP F1500 storage systems.
3.5	Describe how to perform online hardware upgrades and reconfigurations of VSP G1500 and VSP F1500 storage systems.
3.6	Describe how to perform model upgrades from VSP G1000 to VSP G1500.
Section 4	Virtualization Techniques
4.1	Describe the key steps involved in setting up an external storage configuration with VSP G1500 and VSP F1500 storage systems.
4.2	Describe how to configure VSP G1500 and VSP F1500 storage systems for use with Hitachi Dynamic Provisioning or Hitachi Dynamic Tiering.
Section 5	System Management
5.1	Describe the configuration tasks performed using the SVP of VSP G1500 and VSP F1500 storage systems.
5.2	Describe the port security concepts of VSP G1500 and VSP F1500 storage systems.
5.3	Describe the configuration tasks performed using the web console of VSP G1500 and VSP F1500 storage systems.
5.4	Describe basic functionality of Hitachi Command Suite and Hitachi Storage Advisor for VSP G1500 and VSP F1500 storage systems management purposes.
Section 6	Maintenance and Incident-Resolution
6.1	Identify documentation and tools provided by HDS for installing, configuring and servicing VSP G1500 and VSP F1500 storage systems.
6.2	Describe the SVP maintenance functions on VSP G1500 and VSP F1500 storage systems.
6.3	Describe the microcode update process for VSP G1500 and VSP F1500 storage systems.
6.4	Describe the parts-replacement procedures for VSP G1500 and VSP F1500 storage systems.
6.5	Describe problem-determination and incident-resolution tools and techniques used when troubleshooting VSP G1500 and VSP F1500 technical problems.