

RELIABLE TRUSTED CHANGE EXPERTISE AGILITY COMPETITIVE RESULTS CONNECTED DATA UNSTRUCTURED INNOVATE INFORMATION GLOBAL DISCOVER EXPERIENCE RESULTS TRANSFORM RELIABLE

Hitachi Data Systems Certified Implementer – Hitachi Enterprise Storage HH0-210 Exam

Description:	This test will validate that the successful candidate has knowledge and skills in implementing Hitachi enterprise storage systems at customer sites. This includes strong knowledge of Hitachi enterprise storage systems and associated program products, and thorough understanding of installation, configuration and deployment procedures as well as associated administrative activities. The test also covers the tools and techniques and best practices related to supporting Hitachi enterprise storage systems. This test covers the Hitachi Virtual Storage Platform (VSP) product line.
Audience:	Hitachi Data Systems employee and partner installation and implementation professionals.
Supporting material:	THI1997 Hitachi Virtual Storage Platform Installation and Configuration (5d ILT) TSI1998 Managing Hitachi Virtual Storage Platform With Storage Navigator (4d ILT)
Exam type:	Certification
Format:	Proctored, closed-book exam
Credential:	Hitachi Data Systems Certified Implementer – Enterprise Storage
Delivery:	The exam is available at Prometric test centers .
Questions:	60
Passing score:	70%
Duration:	60 minutes; 90 minutes for non-English speaking countries
Cost:	US\$200 in North America, US\$225 (or equivalent in local currency) outside of North America

Test objectives	
Section 1	System Architecture
1.1	Describe the architecture and operating concepts of the Hitachi enterprise storage systems product line.
1.2	Describe the internal components of the Hitachi enterprise storage systems and describe their function.
Section 2	System Pre-installation
2.1	Describe the process that Hitachi Data Systems uses for collecting and documenting pre-installation information.
Section 3	System Installation
3.1	Describe the key steps involved with an initial installation of a Hitachi enterprise storage system.
3.2	Describe how to integrate Hitachi enterprise storage systems into SAN environments.
3.3	Describe how program products are installed, enabled and utilized on Hitachi enterprise storage systems.
3.4	Describe the installation and configuration of the flash acceleration feature.
Section 4	System Configuration and Management
4.1	Describe how Hitachi Storage Navigator is used to configure and manage Hitachi enterprise storage systems.
4.2	Describe the Hitachi Virtual Storage Platform command line interface (CLI) functionality in relation to storage provisioning.
4.3	Describe LDEV ownership concepts and management on Hitachi enterprise storage systems.
4.4	Identify storage-provisioning tools and describe how to use them to match customer configuration requirements.
4.5	Describe how security is set up to restrict LUN access on Hitachi enterprise storage systems.

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Section 5	Virtualization Techniques
5.1	Describe the key steps involved in setting up an external storage configuration with a Hitachi enterprise storage system.
5.2	Describe how Hitachi Universal Volume Manager is used to configure and manage external volumes.
5.3	Describe how Hitachi Virtual Partition Manager is used to create and manage cache logical partitions on Hitachi enterprise storage systems.
5.4	Describe how to configure, activate and use Hitachi Dynamic Provisioning.
5.5	Describe how Hitachi Dynamic Tiering is used to optimize tiered storage utilization.
Section 6	Storage Management With Hitachi Command Suite
6.1	Describe how Hitachi enterprise storage systems can be managed with Hitachi Device Manager.
6.2	Describe the usage of Hitachi Replication Manager with Hitachi enterprise storage systems.
6.3	Describe how storage tiers can be managed with Hitachi Tiered Storage Manager.
6.4	Describe the usage of Hitachi Tuning Manager with Hitachi enterprise storage systems.
Section 7	Multipathing and Load Balancing
7.1	Describe the environment in which the Hitachi Dynamic Link Manager Advanced software would be implemented.
7.2	Describe the process of installing Hitachi Dynamic Link Manager Advanced software.
7.3	Describe the operations of Hitachi enterprise storage systems in a multipathing environment.
Section 8	Storage Area Network integration
8.1	Describe how Hitachi Data Systems supported host bus adapters (HBAs) are installed and configured on Microsoft® Windows® and UNIX operating systems.
8.2	Describe the function of zoning.
8.3	Describe the function of the Vital Product Data (VPD) device identifier.
Section 9	Maintenance and Problem Determination Through Implementation
9.1	Identify documentation and tools provided by Hitachi Data Systems for installing, configuring and servicing Hitachi enterprise storage systems.
9.2	Describe the SVP functions and usage on Hitachi enterprise storage systems.
9.3	Understand and apply the processes for online hardware upgrades and reconfigurations of Hitachi enterprise storage systems.
9.4	Describe the Hitachi enterprise storage systems microcode update process.
9.5	Describe the Hitachi enterprise storage systems parts replacement procedures.
9.6	Describe problem-determination and incident-resolution tools and techniques used when troubleshooting implementation issues.