



EXAM DESCRIPTION

Hitachi Data Systems Qualified Professional – Storage Administration HQT-6740 Exam

Description:	This test is primarily designed for Hitachi Data Systems customers who use and administer Hitachi storage systems. It is also available to HDS employees and partners. The test will validate that the successful candidate has knowledge of the configuration and management tools, techniques and best practices that relate to all operational aspects of system utilization in a customer environment. The test covers Hitachi Command Suite products and includes basic troubleshooting procedures available to end users.
Audience:	Hitachi Data Systems customer, partner and employee storage administrators. Storage administrators should have knowledge of all storage-related operations from an end-user perspective. They are responsible for planning, allocating and managing storage, architecting storage layouts, planning connectivity, policy design, performance tuning, instituting disaster-recovery processes, cataloging maintenance and QA testing. Storage administrators should also have knowledge of storage systems, servers, operating systems, file systems, disk drives, Fibre Channel, host bus adapters, interconnect hardware, interoperability of storage networking and virtualization techniques.
Supporting material:	TSI2565 Managing Hitachi Storage with Hitachi Command Suite v8.x.course (5d ILT)
Exam type:	Qualification
Format:	Proctored, closed-book exam
Credential:	Hitachi Data Systems Qualified Professional – Storage administration
Delivery:	The exam is available through the Kryterion Webassessor 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.
Questions:	35
Passing score:	65%
Duration:	60 minutes
Cost:	US\$100

Test Objectives

Section 1	Hitachi Command Suite fundamentals
1.1	Describe the benefits of using Hitachi Command Suite to manage Hitachi storage environments.
1.2	Describe the Hitachi Command Suite software framework and its components.
1.3	Describe the Hitachi Device Manager software architecture and functionality.
1.4	Describe the Hitachi Device Manager monitoring capabilities.
Section 2	Managing a Hitachi storage environment with Hitachi Device Manager
2.1	Given a scenario, describe how users are added and permissions are managed with Hitachi Device Manager.
2.2	Describe the Hitachi Device Manager discovery process.
2.3	Describe how Hitachi Device Manager is used to configure ports on a storage system.
2.4	Describe how to allocate storage with Hitachi Device Manager.
2.5	Describe when to use host scan with Hitachi Device Manager.
2.6	Describe how Logical devices (LDEVs/LUNs) are managed with Hitachi Device Manager.
2.7	Describe how volume paths are managed with Hitachi Device Manager.
2.8	Describe how Hitachi Command Suite can be used to create reports.

2.9	Describe the usage of volume labeling within Hitachi Device Manager.
2.10	Describe how Hitachi Device Manager CLI commands are used to manage Hitachi storage systems.
2.11	Describe the functions of the Device Manager Storage Navigator.
2.12	Describe Global-Active Device concepts.
2.13	Describe Virtual Storage Machines concepts.
Section 3	Storage management advanced operations
3.1	Describe how to manage volumes on external storage with Hitachi Device Manager.
3.2	Describe how to use Hitachi Device Manager to provision dynamic storage volumes.
3.3	Describe how to manage data movement with Hitachi Dynamic Tiering.
Section 4	Multi-pathing and load balancing
4.1	Describe how Hitachi Dynamic Link Manager provides multi-pathing and load balancing.
4.2	Describe the Hitachi Dynamic Link Manager path health-checking functionality.
4.3	Given a scenario, describe how the Hitachi Dynamic Link Manager load-balancing algorithms are used.
4.4	Describe the Hitachi Global Link Manager functionality.
Section 5	Troubleshooting
5.1	Describe the Hitachi Command Suite maintenance principles and procedures.
5.2	Describe basic storage-management troubleshooting methodology.
5.3	Describe basic tools and troubleshooting investigation procedures available in Hitachi Device Manager.