HITACHI

Hitachi Vantara Certified Expert
Block Storage Solutions Implementation
HCE-5700 Exam

Exam Type
Certification

Format
Proctored, closed book exam

Credential
Hitachi Vantara Certified Expert – Block storage solutions implementation

Validity 3 years

Delivery
Kryterion Webassessor System*

Questions 60

Passing Score 62%

Duration 90 minutes

Cost
US $225 or equivalent in local currency (plus local tax, depending on location)

Supporting Material
• See the Block storage training stripe on the Services Technical Training page in the Learning Center.

This test is designed for Hitachi Vantara employees and partners who deploy Hitachi block storage solutions and integrate them in customer environments. The test will validate that the successful candidate has knowledge, skills and abilities to implement and maintain Hitachi block storage solutions. This includes thorough understanding of deployment and integration procedures, best practices, and of the tools and techniques related to maintaining the solutions. This exam covers the Hitachi Virtual Storage Platform (VSP) systems architecture, Adaptive Data Reduction, Hitachi Ops Center Administrator, Hitachi Ops Center Analyzer, Hitachi Storage Advisor Embedded, Hitachi Dynamic Provisioning, Hitachi Dynamic Tiering, Universal Volume Manager, Virtual Storage Machines, Raidcom/CCI and the REST API/Configuration Manager.

Audience: Hitachi Vantara Employee and Partner Implementation Professionals

Hitachi block storage solutions implementation personnel should have strong knowledge and skills in using, deploying and maintaining block storage solutions. They have knowledge of storage architecture, storage allocation, host connectivity, storage virtualization techniques, pool design, storage management using Raidcom/CCI and Hitachi Ops Center, performance monitoring, tuning and troubleshooting. As systems integrators, they provide pre-installation services and, following best practices, they deploy, configure and test the products included in the solutions. They may also provide migration services and post-installation support services, including solutions maintenance and updates. They have thorough knowledge of problem determination and incident-resolution tools and techniques. They perform all related administrative activities and should also be able to offer knowledge-transfer services, by communicating needed information to allow clients to assume responsibility for operation of the solutions deployed.

Test Objectives	
Section 1	**Block Storage Architecture**
1.1	Describe the VSP 5000 architecture.
1.2	Describe the ADR components.
1.3	Describe the license model of Hitachi storage.
Section 2	**Block Storage Design**
2.1	Describe HDP pool design concepts.
2.2	Demonstrate knowledge of storage allocation design.
2.3	Demonstrate knowledge when to use external virtualization.
2.4	Demonstrate knowledge when to use a virtual storage machine (VSM).
2.5	Describe how to design an Ops Center implementation.
2.6	Describe which tools are used to size solutions.
2.7	Demonstrate knowledge of how to validate supported server storage configurations.

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Section 3	Block Storage Deployment
3.1	Demonstrate knowledge of initial block storage configuration activities.
3.2	Describe which initial storage features must be set up before the system is ready for production.
3.3	Demonstrate knowledge of how to implement encryption.
3.4	Demonstrate knowledge of how to implement Ops Center Administrator and Analyzer.
3.5	Demonstrate knowledge of which testing task(s) and handover documents are needed before the system can go "live".
Section 4	**Block Storage Integration**
4.1	Describe the steps to integrate a VSP system in Ops Center.
4.2	Demonstrate knowledge of basic host connectivity.
4.3	Demonstrate knowledge of how to integrate block storage into a customer's operating system environment.
4.4	Demonstrate knowledge of how to integrate third-party products with Ops Center.
Section 5	**Block Storage Management**
5.1	Demonstrate knowledge of how to define alerts and notifications.
5.2	Describe block storage performance monitoring tools.
5.3	Describe which storage management interfaces are available.
Section 6	**Block Storage Support**
6.1	Demonstrate knowledge of how to determine any hardware-related issue or performance bottlenecks in the block storage system.
6.2	Demonstrate knowledge of how to extract reports from Ops Center Analyzer.
6.3	Demonstrate knowledge of how to collect or upload required information needed by the Global Support Center to analyze problems.
6.4	Demonstrate knowledge of available Hitachi support resources.

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