

Hitachi Vantara Certified Specialist NAS Systems Implementation HCE-5211 Exam

Exam Type
Certification**Format**

Proctored, closed book exam

Credential

Hitachi Vantara Certified Specialist - NAS Systems Implementation

Validity 3 years

Delivery

[Kryterion Webassessor System](#)*

Questions 60

Passing Score 60%

Duration 90 minutes

Cost

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

Supporting Material

• See the NAS training stripes (under construction) on the [Services Technical Training](#) page in the Learning Center.

This exam is designed for Hitachi Vantara employees and partners who deploy Hitachi NAS systems and integrate them in customer environments. The test will validate that the successful candidate has knowledge, skills and abilities to implement and maintain Hitachi NAS 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 Hitachi NAS Platform (HNAS) models 5x00 and VSP One File models 3x.

Audience: Hitachi Vantara Employee and Partner Implementation Professionals

Hitachi NAS systems implementation personnel should have strong knowledge and skills in using, deploying and supporting Hitachi NAS solutions. They have knowledge of storage concepts, file-oriented networks and interoperability of storage networking. As systems integrators, they provide pre-installation services, and following best practices they deploy, configure and test the hardware and software products included in the solutions. They provide post-installation support services including solutions maintenance, updates and upgrades, and they have thorough knowledge of problem determination and incident-resolution tools and techniques. They support all related administrative activities and should also be able to perform knowledge-transfer tasks by communicating needed information to allow clients to assume responsibility for operation of the solutions deployed.

Test Objectives

Section 1	NAS System Architecture
1.1	Describe the HNAS topologies.
1.2	Demonstrate knowledge of the supported configurations for a virtual system management unit (vSMU).
1.3	Describe HDRS functionality.
Section 2	NAS System Design
2.1	Describe best practices using HDP or HDT.
2.2	Describe the differences between a file system quota and a virtual volume quota.
2.3	Describe the differences between file-based and object-based replication.
2.4	Describe data migration methods.
2.5	Identify the name of HNAS supported protocols.
Section 3	NAS System Deployment
3.1	Demonstrate knowledge of the file system setup.
3.2	Describe administrative account access.
3.3	Demonstrate knowledge of how to configure dedupe/compress in VSP One File.
3.4	Describe the functionality of the QoS option on VSP One File.
3.5	Describe the requirements to deploy a HDRS configuration.

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Section 4	NAS System Management
4.1	Demonstrate knowledge of how to implement snapshots to protect against ransomware.
4.2	Describe the usage of the filesystem-thin command on an HNAS system.
4.3	Describe valid ways to expand a storage pool based on stripeset geometry.
4.4	Describe HNAS network ports and utility.
Section 5	NAS System Support
5.1	Demonstrate knowledge of how to integrate EVS in different domains.
5.2	Describe aggregation options.
5.3	Demonstrate knowledge of the support methods on retrieving a performance report (PIR) from an HNAS node or cluster
5.4	Demonstrate knowledge of how to verify if existing XVLs in a file system have a valid migration target.

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