Installing and Supporting Hitachi NAS Platform
TCI2035

Who Should Attend

- Install and Support

Availability

- Customer
- Partner
- Employee

Level

- Professional

Required Knowledge and Skills

- Hitachi enterprise or modular storage systems installation, configuration, and support
- NAS and SAN concepts
- TCP/IP networking concepts, such as router and switches
- Network management and maintenance
- UNIX/Linux administration
- Microsoft® Windows® administration

Prerequisite Courses

- Network Fundamentals – TCI2211

Supplemental Courses

- Managing Hitachi Network Attached Storage (NAS) – TCI2910

Delivery Type

- Instructor-led Training (ILT)
- Virtual Instructor-led Training (vILT)

Course Length

- 4 days

Embark on a comprehensive journey into Hitachi NAS Platform (HNAS)

Course Description

This 4-day instructor-led course provides detailed procedures for installing and supporting Hitachi NAS Platform (HNAS) node systems. It introduces HNAS models, focusing on installation and support requirements.

There are extensive hands-on lab sessions to help you become familiar with both the equipment and functions of the HNAS models. This is followed by an initial installation of the complete system and creating a clustered environment.

Performing common maintenance tasks, such as the physical replacement of Field Replaceable Units (FRUs) and executing firmware upgrades on all HNAS modules, will be covered in the lab sessions.

The course material and lab activities are based on firmware version 14.3.7221.xx, also referenced as Duck-3.

Digital Badge

You will receive the **Hitachi NAS Platform Installation and Support** digital badge once you complete this course.

Certification

This course prepares you for the Hitachi Vantara Qualified Professional – NAS Installation (HQT-4210) exam professional qualification test*.

*Depending on the location and course delivery format, this closed-book, proctored qualification test may be offered and administered by the instructor at the conclusion of this course, using the Kryterion Webassessor system. It is also available online (online proctored) and at Kryterion testing centers (onsite proctored).

Course Objectives

When you complete this course, you should be able to:
- Describe the concepts of the Hitachi NAS Platform (HNAS)
- Identify the physical and logical architecture of HNAS
- Describe how to connect HNAS to the private and public Ethernet infrastructure
- Install HNAS components for standalone and clustered configurations
- Identify the functionalities of the HNAS file system
- Perform preventative maintenance and troubleshooting

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Course Outline

Content Modules

- Hitachi NAS Overview
- Hardware Architecture
- Software Architecture
- Installing Hitachi NAS Platform Models 5x00
- Ethernet and Fibre Channel Network
- Hitachi NAS File System
- Access Protocol
- N-Way Clustering
- Maintenance
- Troubleshooting and Replacement

Learning Activities — Labs

- Components Identification
- Hitachi NAS Platform 5200 Initial Setup
- SMU Initial Setup
- Hitachi NAS Management Network
- Hitachi NAS Platform LUN Discovery
- Networking
- File Systems and Basic CIFS Administration
- Virtualized SMU Deployment (Instructor Demo)
- Switchless Clustering
- Maintenance and Firmware Upgrade
- Troubleshooting and Replacement

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