

HPE NonStop Server Administration III H1SC5S

HPE course number	H1SC5S
Course length	5 days
Delivery mode	ILT, VILT
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Why HPE Education Services?

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This HPE NonStop Administration course completes the trilogy to make you familiar with administering an HPE NonStop System. In this 5 day class we discuss how to start up, configure, manage, and shut down your NonStop server and its subsystems. This includes changing system configuration with recovery to a previous setup, if necessary. The management of the HPE NonStop server current performance and planning for future growth is discussed. The course is 70% lecture and 30% hands on labs using HPE servers.

Audience

System Operators, System Administrators, Systems Analysts, Technical Support Analysts

Prerequisites

Before attending this course, students must have:

- NonStop Server Administration II or equivalent course

Course objectives

At the conclusion of this course the student should be able to:

- Understand the NonStop server hardware and software architecture
- Start up, configure, manage, and shut down your NonStop server and its subsystems
- Change system configuration and recover to a previous setup
- Manage the Integrity NonStop server performance with planning for future growth

Detailed Course Outline

Module 1 - Course Overview

Module 2 – Server Management Functions	<ul style="list-style-type: none"> • Good Server Management • The Characteristics of your environment 	<ul style="list-style-type: none"> • Introduction to System Management on HPE NonStop systems
Module 3 – NonStop Operating System Configuration	<ul style="list-style-type: none"> • NonStop Operating System and DSM/SCM • System Shutdown and Cold Load procedures (CIIN Startup) • Firmware Updates 	<ul style="list-style-type: none"> • Kernel Managed Swap File • TFDS • Independent products
Module 4 – Managing Processes	<ul style="list-style-type: none"> • EMS Subsystem Review • Process Creation and Characteristics • OLTP Characteristics 	<ul style="list-style-type: none"> • Managing Processes • Persistent Processes
Module 5 – Managing NonStop Subsystems	<ul style="list-style-type: none"> • Major Management/Control Area • Netbatch • Spooler 	<ul style="list-style-type: none"> • Safeguard • The OLTP Environment • Nonstop TMF Management and Planning
Module 6 – Managing Storage	<ul style="list-style-type: none"> • Storage Clim Overview • SAS Hard Disk Drives • Lun Manager • Write Cache Enable • Storage Configurations + Pools 	<ul style="list-style-type: none"> • Managing Disk Partitions • Managing Data Encryption • Managing Disk Drives • Tapes and Mediacom • Remote Database Facility (RDF)
Module 7 – Managing Cluster IO Modules (CLIMS)	<ul style="list-style-type: none"> • Naming convention • Add/ Start CLIM • Info/ Status CLIM • Linux Events 	<ul style="list-style-type: none"> • Using CLIMCMD • CLIM backup and restore • Firmware update
Module 8 – Configuring Network CLIMS	<ul style="list-style-type: none"> • Describe the network layout • Perform the initial system configuration • Describe the CIP configuration • Define the network configuration 	<ul style="list-style-type: none"> • Determine the application configuration • Verify the configuration • Save the configuration
Module 9 – Database Management	<ul style="list-style-type: none"> • SQL/ MP and SQL/MX Management 	
Module 10 – Performance and Capacity Management	<ul style="list-style-type: none"> • Monitoring the system with Measure 	<ul style="list-style-type: none"> • Tandem Capacity Model
Module 11 – System Recovery Scenario	<ul style="list-style-type: none"> • Review possible critical failure scenarios • Discuss possible backup and prevention measures 	<ul style="list-style-type: none"> • Discuss possible recovery scenarios

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