



# NonStop S-Series Server Administration Training U5449S

<b>HPE course number</b>	U5449S
<b>Course length</b>	5 days
<b>Delivery mode</b>	ILT/VILT
<b>View schedule, local pricing, and register</b>	<a href="#">View now</a>
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This 5-day course provides system managers with the skills and knowledge to manage NonStop S-series servers. After completing this course, you will understand the hardware and software architecture of the NonStop S-series server. You will be able to start, monitor, and shut down your system and its subsystems. You will be able to make alterations to the server configuration and to fallback from the changes to a previous configuration. You will be able to identify and resolve common problems.

## Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training\*
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- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

## Audience

- Personnel involved with the management of a NonStop S-series server

## Prerequisites

- NonStop S-Series Accelerated Operator Training (U5448S) or Concepts and Facilities (U4147S)

## Course objective

- To provide system managers with the skills and knowledge to manage NonStop S-series servers. To also provide system managers the skills required to start, monitor, and shut down a NonStop S-series server, and make changes to the system configuration

## Benefits to you

- Functions of Server Management
- NonStop S-Series Hardware Architecture
- HPE NonStop Kernel Configuration
- Monitoring the System and Processes
- Monitoring NonStop Subsystems
- SCF Configuration Overview
- Storage Configuration
- SLSA Configuration
- Communications Configuration
- Performance Monitoring and Database Management
- NonStop TMF Update and Monitoring
- System Recovery Scenarios

## Detailed course outline

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### Module 1: Functions of Server Management

- List and describe basic production management activities
- List the issues that service-level agreements typically address
- Describe system startup and shutdown, processor dump and reload, daily, weekly, and monthly tasks
- List and describe tools used for production management in an HPE NonStop S-series environment

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### Module 2: NonStop S-Series Hardware Architecture

- Review HPE NonStop S-series hardware architecture
- Discuss the TSM client

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### Module 3: HPE NonStop Operating System Configuration

- Discuss the DSM/SCM overview
- Explain the server software revision
- Review the Conftext file
- Explain firmware update procedures
- Describe independent products and their installation
- Lab exercise: HPE NonStop operating system overview

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### Module 4: Monitoring the System and Processes

- Describe how to monitor system software
- Describe the Event Management Service (EMS) subsystem
- Describe the TSM EMS event viewer
- Describe process creation
- Describe process concepts and terminology
- Describe process states and run options
- Describe diagnostic and problem resolution procedures
- Lab exercise: HPE TSM & Monitoring system software

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### Module 5: Monitoring NonStop Subsystems

- Define batch workloads and control
- Identify transaction processing environments
- Describe how to monitor Spooler and Pathway subsystems
- Describe the Open System Services (OSS) environment and OSS applications
- Explain Web access with HPE NonStop Servers
- Lab exercise: Subsystem monitoring

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### Module 6: SCF Configuration Overview

- Review SCF configuration
- Describe the server elements that SCF configures
- Describe the contents of the supplied SCF configuration file
- Describe the major parameters in the configuration commands
- Lab exercise: SCF and hardware monitoring

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### Module 7: Storage Configuration

- Describe disk management, terminology, and path naming
- Describe the SCF interface to the storage subsystem
- Describe how to configure internal disks and tapes
- Describe how to configure using ServerNet DA
- Describe common disk problems and recovery
- Describe tape drive storage

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### Module 8: SLSA Configuration

- Describe SLSA and list the SLSA components
  - Describe SCF SLSA object hierarchy
  - Describe HPE NonStop TCP/IP configuration
  - Describe Parallel NonStop TCP/IP
  - Describe SCF SLSA object monitoring
  - Lab exercise: SLSA configuration
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## Course data sheet

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### Module 9: Communications Configuration

- Describe communication connectivity and configuration
- Describe the AWAN product and configuration
- Describe the SWAN product and configuration
- Use the SCF and the WAN subsystem configuration
- Describe the Expand product and configuration
- Describe ServerNet FX configuration
- Introduce NonStop clusters
- Describe network management and monitoring
- Lab exercise: Expand configuration

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### Module 10: Performance Monitoring and Database Management

- Describe the capabilities of the Measure subsystem and other performance monitoring tools
- List and describe the Measure counters that are used to monitor performance
- Discuss database and file management
- Lab exercise: Enscribe file management

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### Module 11: NonStop TMF Update and Monitoring

- Review changes from TMF to HPE NonStop Transaction Management (TMF)
- Describe TMF architecture and strategy
- Describe TMF configuration and management
- Describe TMF problem resolution
- Describe the Remote Database Facility (RDF)

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### Module 12: System Recovery Scenarios

- Review possible critical failure scenarios
  - Discuss possible backup and prevention measures
  - Discuss possible recovery scenarios
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