

# HP Education Services

## NonStop NS-series Operations and Management Differences for S-series Operators (U8526S)



This 4-day course prepares you to operate and manage the new NonStop NS-series servers. You will be introduced to the new NonStop Advanced Architecture. Server configuration, operations, and communications will be compared and contrasted between the S-series and NS-series servers.

### Audience

- System Operators
- System Programmers
- System Analysts
- System Administrators
- Users participating in NS-series server operations and administration with S-series experience

### Prerequisites

- NonStop S-series Accelerated Operator Training (U5448S) and NonStop S-series Server Administration Training (U5449S) or
- At least 6 months working experience on NonStop S-series server operational activities

### Course Objective

- Introduce you to the HP Integrity NonStop NS-series server and advanced architecture
- Identify the new and changed software tools used to configure and manage the NS-series server and the H06.xx release of the NonStop operating system

## Benefits to You

- Familiarize yourself with the new NS-series servers including NonStop advanced architecture, hardware components, and software products
- Receive an overview of an NS-series server installation or migration
- Receive an overview on running an operational environment
- Gain NS-series server hands-on experience using low-level link, service connection, notification director, and event viewer applications

## Why education services from HP?

- Focus on job-specific skills
- Hands-on practice
- Experienced and best-in-the-field HP instructors
- Comprehensive student materials
- More than 80 training locations worldwide
- Customized on-site delivery

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**Course Title:** NonStop NS-series Operations and Management Differences for S-series Operators

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**HP Product Number:** U8526S

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**Category/Subcategory:** NonStop / System Operations and Management

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**Course Length:** 4 Days

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**Level:** Intermediate

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**Delivery Language:** English

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**To Order:** You can order this course online at [www.hp.com/learn](http://www.hp.com/learn). At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

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**Next Steps:** NonStop Operating System Architecture for NS-series (U8609S), Securing NonStop Servers Using Safeguard (U4196S), or Performance Analysis and Tuning for NonStop Systems (U4195S)

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## Detailed Course Outline

### Module 1 – Course Introduction

- Intended audience
- Prerequisites
- Course objectives
- Course outline
- Class schedule

### Module 2 – Architecture and Hardware Overview

- Explicitly Parallel Instruction Computing (EPIC)
- NonStop Advanced Architecture (NSAA) overview
- NonStop blade element
- Logical Synchronization Unit (LSU) enclosure
- Processor switch enclosure
- Modular cabinet
- Maintenance architecture
- Miscellaneous information
- Lab exercise: hardware overview

### Module 3 – Modular I/O and Storage Overview

- Modular I/O for NonStop servers concepts
- Introduction to the I/O Adapter Module Enclosure (IOAME)
- Lab exercise: modular I/O overview

### Module 4 – Fibre Channel Storage

- Disk products
- FCSDMON
- Disk configuration
- Disk configuration SCF commands
- Disk troubleshooting
- NS-series system load
- Tape products
- Lab exercise: fibre channel storage configuration

### Module 5 – Server Configuration Overview

- Hardware enclosures and configurations
- Communications subsystem changes

### Module 6 – Open System Management (OSM)

- OSM introduction
- NS-series server component support
- OSM low-level link
- OSM service connection
- OSM notification director
- OSM event viewer
- OSM support for the modular I/O subsystem
- Additional Information
- Lab exercise: OSM overview

### Module 7 – Operational Differences

- Operations
- DSM/SCM and OSBuilder

### Module 8 – Migration Overview

- Migration path overview
- Sample scenarios
- Migration to ESS
- NonStop application migration
- Other migration issues

### Module 9 – NS-series Tools

- Application development tools
- Application debugging tools

### Module 10 – Information Resources

- NonStop Technical Library (NTL)
- Education course offerings
- Web sites

## **Module 11 – Introduction to HP Integrity NS14000 and NS1000**

- HP Integrity NonStop NS14000 server
- HP Integrity Nonstop NS1000 server

### **Onsite Delivery Equipment Requirements**

- Physical access to one NonStop NS-series server for discovery labs
- Connectivity to one NonStop NS-series server with super.group TAACL logons, a working service connection, and working low-level link connectivity with logon information
- One PC workstation per student with OutsideView, the latest NS-series OSM software including the latest low-level link version installed
- One instructor PC workstation with PowerPoint and OutsideView, the latest NS-series OSM software including the latest low-level link version installed
- PC projector and suitable screen
- Internet access for classroom

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