



NonStop NB-series Operations Management differences HG767S

This course prepares you to operate and manage the new HP Integrity NonStop BladeSystem and introduces you to the new NonStop Multi-core Architecture (NSMA). Server configuration, operations, and networking are compared and contrasted between the S-series and NB-series servers. The 3-day course is a combination of lecture and live demonstrations using HP NB-series servers.

NonStop NB-series Operations Management differences

Price USD \$2,400

Links to local schedules, pricing and registration [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # HG767S

Category NonStop

Duration 3 days

Audience

- System operators
- System administrators
- System analysts
- System administrators
- Users participating in NB-series server operations

Prerequisites

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

Course objectives

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

- Introduce you to the new HP Integrity NonStop BladeSystem including NonStop Multicore Architecture (NSMA) and hardware components
- Provide an overview of networking CLIM and storage CLIM
- Identify system configurations
- Become familiar with the updates to Open System Management (OSM)
- Demonstrate operational differences between S-series and NB-series servers
- Learn about the updates made to Measure
- Understand a basic migration and related considerations

Benefits to you

- Familiarize yourself with the new NB-series servers including NonStop Multicore Architecture, hardware components, and software products
- Receive an overview of NB-series server installation and migration
- Learn how to run an operational environment
- Gain NB-series server experience using HP SIM, OSM, and OA

Course outline

Module 1 - Course Overview

Module 2 - NonStop Multi-core Architecture (NSMA) Overview

- NonStop BladeSystem server comparison
- NSMA terms
- NonStop BladeSystem server hardware components and manageability
- NSMA comparison to other NonStop architectures
- I/O infrastructure

Module 3 - Modular I/O Overview

- Modular I/O migration and concepts
- I/O Adapter Module Enclosure (IOAME) and components
- IOAME connectivity options

Module 4 - Networking Cluster I/O Module (CLIM)

- IP CLIM introduction
- IP CLIM hardware components
- IP CLIM theory of operation
- IP CLIM connection into NSMA
- Cluster I/O Protocol (CIP) software components

Module 5 - Storage Cluster I/O Module (CLIM)

- Storage CLIM introduction
- Storage CLIM hardware components
- Storage CLIM theory of operation
- Storage CLIM connection into NSMA
- Disk and tape hardware components

Module 6 - NSMA System Configuration

- Instruction Processing Unit (IPU)
- Where NSMA IPUs are user visible
- SmartDump
- SCF NSMA changes
- CLIMCMD

Module 7 - NSMA Onboard Administrator (OA)

- Starting and using the OA
- OA certificate uploader tool

Module 8 - Updates to HP Systems Insight Manager (SIM)

- SIM tool
- SIM BladeSystem plug-in displays
- NonStop Cluster Essentials enhancements for NonStop BladeSystem CLIMs
- HP NonStop I/O Essentials

Module 9 - Updates to Open System Management (OSM)

- OSM CLIM architecture
- CLIM FRUs monitored by OSM
- SWAN adapter attribute changes for CLIM connection

Module 10 - Updates to Measure

- New ID fields
- New CPU counter fields
- New Measure entries for IP and storage CLIMs

Module 11 - Migration Overview

- Migration definitions and considerations
- Possible migration paths and scenarios
- NonStop application migration

Module 12 – DSM/SCM and OSBuilder

- DSM/SCM changes
- OSBuilder introduction

Onsite-Delivery Equipment Requirements

- Access to an NB-series system

Learn more at

hpe.com/us/training/nonstop