
HP NonStop NB-series Server Operations Management Differences

Duration: 3 Days **Course Code: HG767S**

Overview:

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.

Target Audience:

This course is intended for System operators, System programmers, System analysts, System administrators and Users participating in NB-series server operations.

Objectives:

- Introduce you to the new HP Integrity NonStop BladeSystem including NonStop Multi-core 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
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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
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Content:

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 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 IPU's 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 SystemManagement (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

Further Information:

For More information, or to book your course, please call us on Head Office +254 713 027 191

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