Course Data Sheet

HP NonStop NS-series server administration I

Course description

This course prepares you to operate and administer the HP NonStop NS-series server. You are introduced to the architecture and basic software functionality, including Open System Management (OSM), TACL, and Subsystem Control Facility (SCF) for system, disk drive, tape drive, and communications lines monitoring. Functional command usage to monitor files and the system spooler are also covered. This course is 80 percent lecture and 20 percent hands on labs using HP servers.

Who should attend

• System operators
• System administrators
• System analysts
• Technical support analysts

Prerequisites

• Concepts and Facilities for NonStop Systems (U4147S) or at least six months operational experience on NonStop S-series servers
For complete prerequisites and requirements to achieve any of the related certifications or upgrade paths, see the certification description on the HP ExpertOne website.

Topics

- Module 1: Course Overview
  - Who should attend
  - Course Objectives
  - Course Outline
  - Class Schedule

- Module 2: Computing Environments and Operator Tasks
  - Basic Data Processing
  - NonStop Server operations
  - Problem Solving and Problem Prevention

- Module 3: NonStop NS-Series Server Architecture
  - NonStop Advanced Architecture (NSAA) Overview
  - The Modular Cabinet
  - The ServerNet Environment
  - Maintenance Architecture
  - Miscellaneous Information

- Module 4: Operator Tools: TACL, OSM, and SCF
  - Introduction to TACL
  - The TACL Environment
  - Open System Management (OSM) Overview
  - Monitoring Enclosures, Hardware, and Software
  - Event Management Service (EMS)
  - Monitoring Processors
  - The Subsystem Control Facility
  - Monitoring Disks, Printers, Tape Drives, and Terminals
  - Lab: Monitoring System Hardware; SCF and Hardware Monitoring

- Module 5: Managing Files
  - File System Introduction
  - The File Utility Program (FUP)

Course ID	00071773
HP product number	U8528S
Course format	ILT
Typical Course length	5 days
Skill level	Foundational
Delivery languages	English
Related certifications	• Master ASE - HP NonStop Systems Support [2007] • Master ASE - HP NonStop Solution Architect [2007] • AIS - HP NonStop Systems • ASE - HP NonStop Systems
In preparation for these exams	Selected items from this course are included in these exams: • HP0-A23: NonStop NS-series Configuration and Planning • HP0-A20: Install, Maintain and Upgrade NonStop NS-Series Hardware

Register for this course.
Find this course in the Training calendar and click "Register" to take the course in The Learning Center. Login and Password required.

- Module 6: Managing Security
  - Background
  - Managing NonStop Operating System Security
  - Common Security Problems

- Module 7: Managing Disks and Tapes
  - Introduction to the Storage Subsystem
  - Checking Disk Drive Actions
  - Tapes and Tape Drives
  - BACKUP and RESTORE Operations
  - Labeled-Tape Operations Using MEDIACOM
  - Common Tape Problems
  - Lab exercise: The Disk Space Analysis Program (DSAP)

- Module 8: Managing Processes and Applications
  - Processes (Background)
  - Common Process Problems
  - Pathway/iTS Applications
  - Client/Server Applications
  - NonStop Transaction Management Facility (TMF)
  - Lab: Monitoring and Manipulating Processes

- Module 9: Managing Printers and the Spooler
  - Background
  - Common Spooler and Printer Problems
  - Working with Spooler Jobs (Peruse)
  - Lab: Printers and the Spooler

- Module 10: Managing LANs and WANs
  - ServerNet Communications Subsystems
  - Common Problems

- Module 11 - Introduction to HP Integrity NS14x00 and NS1x00
  - NonStop NS14x00 server hardware and software
  - NonStop NS1x00 server hardware and software
  - rx2660 introduction and hardware overview

- Appendix (Optional) Introduction to HP Integrity Carrier Grade Systems
  - Introduce NS-16000CG servers
  - Introduce NS-5000CG servers and NS-5000T servers

- Onsite-Delivery Equipment Requirements
  - Connectivity to one NS-series server with super.group TACL logons, a working service connection, and a 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, OutsideView, and the latest NS-series OSM software including the latest Low-Level Link version installed
  - PC projector and suitable screen
  - Internet access for classroom

Objectives

After completing this course, you should be able to do the following:

- Understand the NonStop NS-series server architecture, OSM, TACL, and SCF
- Describe the purpose and function of OLTP, query processing, decision support, and messaging systems
- Demonstrate the use of TACL, FUP, and SCF commands to monitor the server, files, disks, tapes, and communication lines
- Demonstrate how to view, modify, and correct system spooler and print job problems using PERUSE and SPOOLCOM
- Describe how to monitor and manage LAN and WAN environments
- Describe how to manage security, disks, tapes, processes, and applications

How to register

Click on this link to register for this course: Register for this course.

Policies, fees and cancellations

Course fees may vary and are established and collected by the training center delivering the course. Cancellation fees may apply. Contact your HP Authorized Training Partner for their respective policies.

For more information

HP ExpertOne: www.hp.com/go/ExpertOne-ContactUs

© Copyright 2014 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Created January 2014, Rev. 1