

# HP Education Services

Open System Services (OSS) Operations and Management for HP NonStop Systems (U4188S)



This course introduces the foundation and basic skills necessary for system administrators to configure and manage the Open System Services (OSS) environment on all HP NonStop platforms. The five-day course is 70 percent lecture and 30 percent hands-on labs using HP servers.

## Audience

- HP NonStop System Administrators

## Prerequisites

- Six months experience as a NonStop Administrator and
- OSS Advanced Commands and Utilities for NonStop Servers (U5517S) or six months UNIX experience and
- Experience with system management tools, such as FUP, SCF, and Safeguard

## Course Objective

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

- Identify the components of the Open System Services (OSS) subsystem
- Configure the OSS subsystem and its components
- Identify steps to configure, install, mount, and delete a fileset
- Understand the OSS user requirements and how to create user identities
- Use and maintain OSS subsystem resources
- Understand post-installation tools and procedures

## Benefits to You

- Become familiar with Open System Services (OSS) architecture, interfaces, and procedures
- Gain skills needed to optimize HP NonStop systems so users experience smooth functioning IT operations
- Gain valuable hands-on experience managing an Open System Services (OSS) environment

## 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:** Open System Services (OSS) Operations and Management for HP NonStop Systems

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**HP Product Number:** U4188S

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

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**Course Length:** 5 days

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**Level:** Advanced

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**Delivery Language:** English

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**To Order:** To review course schedules and to register for a course, visit [www.hp.com/learn/nonstop](http://www.hp.com/learn/nonstop) and select your country from the drop down menu, or, contact your HP sales representative or HP authorized channel partner.

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**Next Steps:** Consider attending the other advanced learning courses in the HP NonStop Operations Management curriculum

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## Detailed Course Outline

### Module 1 - Course Overview

- Course highlights
- Course objectives

### Module 2 - Open System Services (OSS)

#### Overview

- Open System Services (OSS) definition
- OSS environment
- OSS fileset, hierarchy, and versions
- OSS limits
- System process overview
- User equivalencies
- Managing OSS servers
- OSS pipe server and extended segment
- File manager
- OSS monitor and name servers
- Lab: OSS overview

### Module 3 - Installation Tools

- Event Management Service (EMS)
- Persistence monitor
- SCF and subsystem managers
- Checking for virtual volumes
- Checking OSS disk volumes with SCF
- Checking the telserv configuration
- Safeguard review
- OSS hierarchy archive facility
- OSS object file version determination
- OSS versions utility
- Lab: installation tools

### Module 4 - Basic OSS Installation Overview

- OSS EasySetup and EasySetup files
- The OSSSETUP utility
- OSS load processes
- STARTOSS
- OSSINF file content
- STOPOSS
- OSSREMOV utility
- Removal procedure
- Lab: basic OSS installation

### Module 5 - Configuring OSS

- /etc/profile
- Securing filesets
- Security options
- System user IDs and aliases
- User and user group attributes
- Remote passwords
- Initial home directory
- File sharing groups
- Configuring the OSS service
- Network services
- Periodic tasks
- Lab: configuring OSS

### Module 6 - Creating Filesets - Considerations

- OSS processes
- OSS fileset pathname support
- OSS fileset disk-file storage pool
- Multiple fileset support and considerations
- Multiple name servers
- Creation pool volumes and lists
- Fileset considerations
- Lab: configuring OSS filesets

### Module 7 - Creating Filesets

- Fileset attributes overview
- Fileset attributes
- Reasons to add a fileset
- Fileset auto start
- Subsystem Control Facility (SCF)
- Lab: creating OSS filesets

### Module 8 - OSS Auditing

- OSS fileset auditing overview
- Safeguard Access Control Lists (ACLs)
- Setting AUDITENABLED
- Safecom audit G06.25
- OSS file auditing overview
- Audit Client OSS (ACO)
- Access control
- Security groups
- Secure shell

## Module 9 - Catalog Maintenance

- Catalog Volume Tool (CVT)
- Checking and reloading catalog files
- FSCK
- Checking and repairing a fileset
- Fileset capacity summary
- Lab: OSS catalog maintenance

## Module 10 - Configuring the OSS Printing Environment

- SPOOLER review
- Printing in the OSS environment
- OSS printing facility
- Lab: configuring the OSS printer service

## Module 11 - Configuring Reference Pages

- The man utility
- Locating online documentation
- The whatis database
- Lab: configuring reference pages

## Module 12 - Configuring FTP

- FTP server
- FTP server support
- Anonymous FTP
- Anonymous logon

## Module 13 - Post-Installation Topics

- OSS maintenance
- Defragmentation
- Compressing files
- BACKUP and RESTORE 2.0 utility
- OSS process management
- Interprocess Communication (IPC)
- Shared resource management
- Guardian and OSS text files
- OSS file purge protection
- Lab: maintenance topics

## Onsite Delivery Equipment Requirements

- Equipment:
  - PCs or workstations with a terminal emulator such as OutsideView
  - NonStop server with the NonStop kernel operating system, version G06 or later for NonStop S-series servers
- Software:
  - Safeguard activated
  - OSS configured and activated

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