



Open System Services (OSS) - advanced commands and utilities for HP NonStop servers U5517S

OSS is the open interface to the NonStop Kernel operating system running on the HP NonStop servers. This 2-day course focuses on advanced OSS commands and utilities, with special emphasis on those that make it possible to interoperate between the Guardian environment and the OSS environment.

Open System Services (OSS) - advanced commands and utilities for HP NonStop servers

Price USD \$1,600

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

HP course # U5517S

Category NonStop

Duration 2 days

Audience

- UNIX application designers and developers who are preparing to work in the OSS environment
- UNIX system administrators who will have responsibility for managing NonStop servers
- Experienced NonStop server application designers and programmers who are preparing to work in the OSS environment
- NonStop system managers with basic OSS knowledge who are interested in expanding their skills

Prerequisites

- OSS NonStop Server Fundamentals course (U5515S) or Concepts and facilities for HP NonStop systems course (U4147S) or equivalent experience with NonStop servers
- OSS Basic Commands/Utilities (U5516S) or working knowledge of basic UNIX commands & utilities

Course objectives

- Give students a hands-on feel of Open System Services (OSS) on HP NonStop servers, emphasizing the interoperability between the OSS and Guardian environments

Next steps

- Opens System Services (OSS) Application Development and Porting course (U5518S)

Course outline

Module 1 - Introduction to Open System Services (OSS)

- What is an open system?
- OSS and Guardian comparisons
- OSS versus UNIX
- Advantages of OSS

Module 2 - The OSS Shell

- Terminal requirements
- OSS shell and utilities overview
- Accessing OSS
- Configuring the OSS service
- Modifying the user environment
- Shell environment variables
- Lab exercise: Managing your OSS environment

Module 3 - OSS Commands

- Editing files
- Commands and utilities
- Using pax to archive and recover files
- Compressing files
- Load balancing

Module 4 - OSS File System

- File system characteristics
- Common directories
- File types
- OSS pathnames to Guardian files
- OSS filesets
- POSIX and Guardian security
- Converting OSS files to their physical file names
- Lab exercise: OSS file permissions

Module 5 - OSS/Guardian Interoperability

- The osh bridge program
- The gtacl bridge program
- Accessing the /G and /E fileset extensions
- Using the OSSTTY program
- Spooling operations
- Interoperability considerations
- Lab: Lab exercises:
 - OSS to Guardian interoperability
 - Printing from OSS

Module 6 - Command Scripting

- Comments and metacharacters
- Shell scripts
- Variables
- Control structures
- test command
- expr and read commands
- Arguments
- Error tracing

- Miscellaneous statements
- Arithmetic on shell variables
- let and select commands
- Functions and function management
- Lab exercise: command scripting

Onsite Delivery Equipment Requirements:

- Access to a NonStop server with OSS installed
- OSS configured with sufficient logon IDs for students
- Individual PCs (Windows 95 or later) with network access and a TELNET type emulator

Learn more at

hpe.com/us/training/nonstop