



hp services

education

course description

open system services (OSS) for UNIX application developers U4187S

course overview

Open System Services (OSS) is an open computing interface to the HP NonStop Kernel operating system and is based on POSIX standards. This course is intended for UNIX application developers who will be creating or porting applications to the OSS environment on HP NonStop servers. This 4-day course introduces you to the NonStop Kernel terminology, software and architecture, components, characteristics and standards of the OSS environment, development tools and porting issues. This course is 60 percent lecture and 40 percent lab.

audience

- UNIX application developers
- UNIX system analysts
- Support personnel

benefits to you

- Overview of OSS (components, characteristics, standards)
- NonStop server and NonStop Kernel operating system basics
- NonStop software
- OSS shell
- Programming basics in the OSS environments
- Porting basics

prerequisites

Six months UNIX experience

to order

You can order this course online at <http://education.hp.com>. At the site, select a country, then choose "registration" or "Book a course" and fill out the online registration form.

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module	key topics
introduction	<ul style="list-style-type: none">• Scope of the course• Overview of the objectives
overview	<ul style="list-style-type: none">• Terminology• OSS components• OSS characteristics• OSS standards• Software versions• Accessing reference manuals Lab Exercise: Accessing manuals
NonStop Kernel basics	<ul style="list-style-type: none">• NonStop server fundamentals• NonStop server features• NonStop server architecture• Guardian environment Lab Exercise: Accessing the system
NonStop server software	<ul style="list-style-type: none">• Safeguard• OSS auditing• Facilities and tools• Modularity• Requestor-server• Application servers• Transaction servers• OSS applications
OSS shell	<ul style="list-style-type: none">• OSS standards• OSS environment• OSS shell• OSS characteristics• OSS commands and utilities• OSS file system• OSS to Guardian interaction• Printing facilities Lab Exercise: Accessing the OSS shell
programming	<ul style="list-style-type: none">• Programming in an OSS environment• OSS application programming interface (API)• The OSS file system• Processes• Functions and procedures• Development tools• Editors, linkers, and compilers• Debuggers Lab Exercise: Introduction to development tools
porting basics	<ul style="list-style-type: none">• Scope of portability• Levels of portability• Analysis and design• Porting environments• Features and functions• OSS sockets• pThreads• HP extensions Lab Exercise: Using \$Receive

for more information

For more information on HP Education Services, contact any of our worldwide offices or visit our worldwide web site on the internet at <http://education.hp.com>

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