

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

<b>HPE course number</b>	U4188S
<b>Course length</b>	5 Days
<b>Delivery mode</b>	ILT, VILT
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## Why HPE Education Services?

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

## Audience

HPE NonStop System Administrators

- 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

## 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

## Benefits to you

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

## Course objectives

- Identify the components of the Open System Services (OSS) subsystem

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

- Configure the OSS subsystem and its components

## Detailed Course Outline

<b>Module 1 - Course Overview</b>	<ul style="list-style-type: none"> <li>• Course highlights</li> </ul>	<ul style="list-style-type: none"> <li>• Course objectives</li> </ul>
<b>Module 2 - Open System Services (OSS) Overview</b>	<ul style="list-style-type: none"> <li>• Define the Open System Services (OSS) subsystem</li> <li>• Identify the components of the OSS environment</li> <li>• Define the OSS fileset</li> </ul>	<ul style="list-style-type: none"> <li>• Review the Nonstop Operating System process components</li> <li>• Lab: OSS overview</li> </ul>
<b>Module 3 - Management Tools</b>	<ul style="list-style-type: none"> <li>• Identify the key tools needed to managed the OSS subsystem</li> <li>• Subsystem Control Facility (SCF)</li> <li>• Backup/Restore 2.0</li> <li>• Pax</li> <li>• Tar and uncompress</li> </ul>	<ul style="list-style-type: none"> <li>• Event Management Service (EMS)</li> <li>• SSH</li> <li>• VPROC</li> <li>• VERSIONS utility</li> <li>• Lab: Management Tools</li> </ul>
<b>Module 4 - Basic OSS Installation Overview</b>	<ul style="list-style-type: none"> <li>• Identify the steps used to install the OSS subsystem</li> <li>• Identify the steps used to start the OSS subsystem</li> <li>• Identify the utility used to remove the OSS subsystem</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the steps used to remove OSS subsystem</li> <li>• Lab: basic OSS installation</li> </ul>
<b>Module 5 - Configuring OSS</b>	<ul style="list-style-type: none"> <li>• Add users and user groups</li> <li>• Configure initial home directories</li> <li>• Configure user IDs and aliases</li> <li>• Configure file-sharing groups and members</li> </ul>	<ul style="list-style-type: none"> <li>• Configure the OSS services</li> <li>• Configure network services</li> <li>• Configure periodic tasks</li> <li>• Lab: configuring OSS</li> </ul>
<b>Module 6 - Creating Filesets - Considerations</b>	<ul style="list-style-type: none"> <li>• Display fileset information</li> <li>• Identify creation pool volume list volumes for each fileset</li> <li>• Determine the number of filesets required</li> </ul>	<ul style="list-style-type: none"> <li>• Determine the number of name servers required</li> <li>• Lab: configuring OSS filesets</li> </ul>
<b>Module 7 - Creating Filesets</b>	<ul style="list-style-type: none"> <li>• Describe a fileset's key attributes</li> <li>• Note how a fileset's mount point directory should be secured</li> <li>• Describe a fileset's AutoStart feature</li> </ul>	<ul style="list-style-type: none"> <li>• Learn the steps involved in creating a fileset</li> <li>• Lab: creating OSS filesets</li> </ul>
<b>Module 8 - OSS Auditing</b>	<ul style="list-style-type: none"> <li>• Identify security considerations</li> <li>• Fileset auditing</li> <li>• File auditing</li> <li>• Access control lists (ACLs)</li> <li>• Restrict Privileged Access</li> <li>• Describe the Security Event-Exit Process (SEEP) feature</li> <li>• Module 9 - Catalog Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• Check a catalog</li> <li>• Remove a catalog</li> <li>• Repair a catalog</li> <li>• Check a fileset</li> <li>• Repair a fileset</li> <li>• Lab: OSS catalog maintenance</li> </ul>
<b>Module 9 - Catalog Maintenance</b>	<ul style="list-style-type: none"> <li>• Catalog Volume Tool (CVT)</li> <li>• Checking and reloading catalog files</li> <li>• FSCK</li> </ul>	<ul style="list-style-type: none"> <li>• Checking and repairing a fileset</li> <li>• Fileset capacity summary</li> <li>• Lab: OSS catalog maintenance</li> </ul>

<b>Module 10 - Configuring the OSS Printing Environment</b>	<ul style="list-style-type: none"> <li>Identify the OSS printing configuration</li> <li>Identify the OSS printing utilities</li> </ul>	<ul style="list-style-type: none"> <li>Lab: configuring the OSS printer service</li> </ul>
<b>Module 11 - Configuring Reference Pages</b>	<ul style="list-style-type: none"> <li>Locate the reference page files</li> <li>Configure the reference page environment variable</li> </ul>	<ul style="list-style-type: none"> <li>Configure the whatis database</li> <li>Lab: configuring reference pages</li> </ul>
<b>Module 12 - OSS NetBatch Jobs</b>	<ul style="list-style-type: none"> <li>Submitting OSS jobs with BATCHCOM</li> <li>How to handle exceptions</li> </ul>	<ul style="list-style-type: none"> <li>Lab: Creating OSS Netbatch jobs</li> </ul>
<b>Module 13 - Configuring FTP, FLOSS AND SAMBA</b>	<ul style="list-style-type: none"> <li>Review FTP commands</li> <li>Configure the anonymous FTP user</li> <li>Install/configure FLOSS – Freeware Look for OSS</li> </ul>	<ul style="list-style-type: none"> <li>Install/configure SAMBA – SMB Fileserver</li> <li>Lab: FLOSS and SAMBA</li> </ul>
<b>Module 14 - Post-Installation Topics</b>	<ul style="list-style-type: none"> <li>Identify commands to use for performance maintenance</li> <li>Identify commands used to find temporary files</li> <li>Identify commands used to defragment and free disk space</li> </ul>	<ul style="list-style-type: none"> <li>Identify commands used in process management</li> <li>Identify commands used for managing shared resources</li> <li>Lab: maintenance topics</li> </ul>

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