



hp services

education

course description

## hp Tru64 UNIX v5 network administration u3633s

### course overview

This 5 day course provides students with the training needed to use TP/IP commands and the CDE interface to install and manage hp Tru64 UNIX network configurations.

### audience

This course is designed for students who will be managing a UNIX network that includes Tru64 UNIX systems, who want to increase their knowledge of Tru64 UNIX networking to include configuration, installation, and management of TCP/IP networking, including NFS, NIS, BIND, DHCP, remote installation, SNMP, and PPP. The course demonstrates how to set up and manage Tru64 UNIX networks using the Common Desktop Environment (CDE), the standard graphical user interface for UNIX systems.

### benefits to you

This course will show students how to use multiple interfaces, how to configure Ipv6, and will provide practice and preparation for the hp Tru64 UNIX v5 network administration certification exam.

### pre-requisites

Students should be able to log in to an hp Tru64 UNIX system, startup and shut down the system, use an editor on the system, manage files, interpret error log files, and create, mount and backup file systems. They should also be able to install the hp Tru64 UNIX operating system software and software subsets.

### course objectives

Upon successful completion of this course, you should be able to:

- Describe how a computer system can participate in a TCP/IP network
- Set up and manage a TCP/IP network
- Describe the use of the BOOTP and DHCP protocols
- Set up PPP network connections
- Set up and manage BIND service and Network Information Service (NIS)
- Set up and manage NFS server and clients
- Describe how the Simple Network Management Protocol (SNMP)
- Configure remote and LAT printers on a Tru64 UNIX system
- Set up and install software using the Remote Installation Service (RIS)
- Set up and manage Dataless Management Services (DMS) server and clients
- Set up and manage Local Area Transport (LAT) service

### next steps

- hp Tru64 UNIX v5 Security Management U3697

### 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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## detailed course outline: hp Tru64 UNIX v5.1a network administration u3633s

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module	key topics
networking overview	<ul style="list-style-type: none"><li>• networking introduction</li><li>• internet protocols</li><li>• internet addresses Ipv4</li><li>• internet addresses Ipv6</li><li>• TCP/IP network communication</li><li>• CP/IP routing</li><li>• internet files</li><li>• network management with CDE</li></ul>
setting up a TCP/IP network	<ul style="list-style-type: none"><li>• preparing to configure the TCP/IP network</li><li>• creating a simple network connection with quick setup</li><li>• using the network setup wizard</li><li>• NetRAIN interfaces</li><li>• configuring an Ipv6 host</li></ul>
managing a TCP/IP net work with commands	<ul style="list-style-type: none"><li>• the ping command</li><li>• the arp command</li><li>• the ifconfig command</li><li>• the netstat command</li><li>• the rcmgr command</li><li>• the traceroute command</li><li>• displaying headers of packets on the network</li></ul>
configuring DHCP and BOOTP services	<ul style="list-style-type: none"><li>• system bootstrapping</li><li>• setting up and managing DHCP</li><li>• BOOTP protocol</li></ul>
setting up the PPP protocol	<ul style="list-style-type: none"><li>• introducing PPP</li><li>• connecting with a null modem cable</li><li>• setting up and managing PPP from the SysMan menu</li><li>• configuring a dial-out system</li></ul>
configuring DNS/BIND	<ul style="list-style-type: none"><li>• introduction to BIND</li><li>• how BIND works</li><li>• BIND configuration manager</li><li>• BIND configuration files</li><li>• using the BIND nslookup command</li><li>• using the whois command</li><li>• additional BIND setup considerations</li></ul>
managing the NTP service	<ul style="list-style-type: none"><li>• introducing NTP</li><li>• NTP files and daemons</li><li>• setting up and managing NTP with the SysMan menu</li></ul>
configuring the network information service (NIS)	<ul style="list-style-type: none"><li>• introduction to NIS</li><li>• how NIS works</li><li>• choosing enhanced security</li><li>• configuring NIS</li><li>• post-configuration tasks</li><li>• altering the NIS client files</li><li>• adding NIS maps</li></ul>
managing the network file system	<ul style="list-style-type: none"><li>• introduction to network file system</li><li>• how NFS works</li><li>• setting up NFS using the SysMan tool suite</li><li>• configuring an NFS server manually</li><li>• configuring an NFS client manually</li><li>• NFS locking service</li><li>• mounting and unmounting file systems</li><li>• automounter</li><li>• supporting files</li><li>• system security with NFS</li><li>• troubleshooting NFS problems</li></ul>

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configuring the hp Tru64 UNIX mail system	<ul style="list-style-type: none"><li>• mail environment</li><li>• planning mail</li><li>• configuring mail</li></ul>
configuring network printing	<ul style="list-style-type: none"><li>• traditional UNIX printing</li><li>• configuring printers using the SysMan menu</li><li>• configuring a remote printer</li><li>• configuring a network printer using TCP/IP</li><li>• advanced printing software</li></ul>
configuring SNMP	<ul style="list-style-type: none"><li>• introducing SNMP</li><li>• components of the SNMP management system</li><li>• SNMP daemon</li></ul>
configuring a web server	<ul style="list-style-type: none"><li>• installing the Apache HTTP server</li><li>• configuring the Apache HTTP server</li><li>• installing the hp secure web server</li></ul>
test	<ul style="list-style-type: none"><li>• questions</li><li>• answers</li></ul>
using remote installation services (RIS)	<ul style="list-style-type: none"><li>• remote installation service</li><li>• setting up a RIS server</li><li>• managing RIS clients</li><li>• booting and installing a RIS client</li><li>• cloning a network installation</li></ul>
using dataless management services (DMS)	<ul style="list-style-type: none"><li>• dataless management services</li><li>• setting up a DMS server</li><li>• managing DMS clients</li><li>• booting a DMS client</li></ul>
using LAT	<ul style="list-style-type: none"><li>• unit overview</li><li>• managing a LAT</li><li>• configuring a LAT</li><li>• adding terminals on a terminal server</li><li>• creating an optional LAT service</li><li>• setting up a terminal server for a LAT printer</li></ul>

### 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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