

HP/UX Systems Administration (5 Days)

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HP/UX Systems Administration (CTI 055)

The HP/UX systems administrator is crucial to maintaining the security and integrity of an HP/UX system, whether it is "stand-alone" or (increasingly) connected to a network. This course, designed for students with prior intermediate to advanced knowledge of HP/UX, shows them the commands, files, and directories necessary to perform effective administration of an HP/UX system.

Prerequisites: *One year of hands-on HP/UX experience; or "Introduction to UNIX" plus six months of hands-on HP/UX experience.*

Minimum hardware requirements: *HP/UX workstation, plus one terminal for each student.*

Software requirements: *Current version of HP/UX on workstation.*

Microsoft PowerPoint and Internet installed *at instructor's workstation for presentation purposes.*

Module 1: Introduction

- Roles of The Systems Administrator
- Controlling User Access
- Monitoring Performance of System
- Interface with Vendors
- Updating System Software and Hardware

Module 2: Controlling Commands

- Overview

Module 3: Korn Shell Programming

- Overview

Module 4: Important Directories and Files

- Directory Layout and Structure
- Root Directory
- /etc Directory
- /bin And /usr/bin Directories

Module 5: Adding and Removing Users

- Password and Group Files
- Creating New User Accounts
- Removing Accounts

Module 6: Stopping and Starting the System

- Initialization States
- Changing from Single-User to Multi-User
- Automating Procedures through cron Startup Scripts
- /etc/shutdown and /etc/reboot Commands

Module 7: HP/UX File System Structure

- Superblock
- Inodes
- Data Blocks

Module 8: HP/UX File System Maintenance

- Protecting File System Integrity using sync
- Backing Up Files using cpio and backup
- Restoring Files using cpio and restore

Module 9: Communications With Users

- Using Electronic Mail:
 - Mail, elm, mush
- Using Real-Time Communications:
 - write, wall, rwall

Module 10: Monitoring System Performance

- Using ps Command
- Monitoring Disk Usage
- Monitoring CPU and System Activity:
 - sar
- Monitoring and Truncating Log Files

Module 11: Configuring the System

- Adding Printers and Plotters
- Adding Terminals and Modems

Module 12: Networking Software

- Internet
- NFS