Hewlett Packard Enterprise

HP-UX 11i v3 for Experienced HP-UX System Administrators HK711S

This course provides experienced HP-UX 11i System Administrators the opportunity to learn about and develop hands-on experience with many of the new, updated, and enhanced features of HP-UX 11i v3. Course topics of discussion include security, networking, and administration features, with hands-on lab exercises focusing on HP-UX 11i v3 administration features. The 3-day course is 50 percent lecture and 50 percent hands-on labs using HPE servers.

HPE course number	HK711S
Course length	3 days
Delivery mode	ILT
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Why HPE Education Services?

- IDC MarketScape leader 4 years running for IT education and training*
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*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Audience

- System administrators familiar with HP-UX 11i v2

Prerequisites

- HP-UX System and Network Administration I (H3064S) and HP-UX System and Network Administration II (H3065S) or
- HP-UX System and Network Administration for Experienced UNIX® System Administrators (H5875S) or
- Experience administering HP-UX 11i servers

NOTE: If you have attended HE775, HP-UX 11i v3 Features and Functions, please be aware that HE775 is a subset of HK711.

Course objectives

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

- Manage mass storage using HP-UX 11i v3 agile addressing

- Implement new LVM features, including volume group quiescence, volume group attribute modification, striped logical volume mirrors, creation of LVM v2.0 volume groups, and upgrades of LVM v1.0 volume groups
- Use Dynamic Root Disk to protect the root volume group
- Configure new crash dump features
- Perform a cold installation of HP-UX 11i v3
- Upgrade HP-UX 11i v2 to 11i v3
- Upgrade an earlier HP-UX 11i v3 version to a later 11i v3 media kit using Dynamic Root Disk
- Configure and monitor standard mode security extensions for user login and password control without converting to trusted mode
- Use new network configuration and monitoring tools
- Manage HP-UX 11i systems with System Management Homepage and new command line interfaces

Benefits to you

- Identify HP-UX 11i v3 features desired to enhance your HP-UX IT environment with the latest security, networking, and administration features

- Develop the knowledge and skills to implement the new HP-UX 11i v3 features you select for your data center to enhance server management, software security, and networking capabilities

Detailed course outline

Module 1: Introduction to HP-UX 11i v3	• Identify PA-RISC and Integrity server platforms that support HP-UX 11i v3 • Locate online documentation for HP-UX 11i v3, including release notes, administration guides, and white papers
Module 2: HP-UX 11i v3 Hardware Addressing	• List the advantages of agile addressing • Display storage devices using legacy addressing • Display storage devices using agile addressing • Toggle storage device addresses between agile and legacy addressing • Use available CLUI, TUI, and GUI administration tools to manage addressable devices
Module 3: HP-UX 11i v3 Dynamic Root Disk	• Minimize downtime with Dynamic Root Disk • Creating and updating a clone • Manage inactive images
Module 4: HP-UX 11i v3 Installation and Update	• Perform a cold install of HP-UX 11i v3 • Update an existing HP-UX 11i v2 system to HP-UX 11i v3 • Update an earlier version of 11i v3 to a later version of 11i v3 via DRD
Module 5: HP-UX 11i v3 Mass Storage	• Identify LVM enhancements • Identify VxVM enhancements • Use SMH tools to manage disks
Module 6: HP-UX 11i v3 File Systems	• Identify file system enhancements (UFC, CacheFS, LOFS, VxFS, NFS, CIFS, MemFS, ISO Image Files)
Module 7: HP-UX 11i v3 User and Group Enhancements	• Configure and manage users and groups using new configuration and login security features • Use available CLUI, TUI, and GUI administration tools to manage users and groups
Module 8: HP-UX 11i v3 Kernel Tuning	• Define types, display and modify types of dynamically tunable kernel parameters • Define and modify states of dynamically loadable kernel modules • Create, display, export, import, load, and boot named kernel configurations • Use available CLUI, TUI, and GUI administration tools to manage HP-UX 11i v3 kernel tuning
Module 9: HP-UX 11i v3 Networking and Security Features	• Identify major new, updated, or enhanced security features • Identify major new, updated, or enhanced networking features • Use available CLUI, TUI, and GUI administration tools for managing security and network features
Module 10: HP-UX 11i v3 Fault Management	• Use fault management features to display and analyze system health • Enable/disable PCI error handling • Perform PCI/PCI-X online addition, replacement, and deletion • Use Dynamic nPartitions to online migrate a cell • Configure selective, compressed and concurrent (parallel) dumps • Configure core dump parameters for applications • Create a live kernel dump

Next steps

• HPE Partition Management (U5075S),
  HPE Integrity Server Blades
  Administration (HC590S), or
  HPE Systems Insight Manager: HP-UX
  (HK712S)

Learn more at
hpe.com/ww/learnhpuxintegrity