



Red Hat Linux Essentials

Varighed: 5 Days **Kursus Kode: RH033**

Beskrivelse:

For persons who have no command-line experience in Linux or UNIX and want to develop skills for using and customizing their own Red Hat Linux workstation.

Målgruppe:

IT professionals who want to build user-level skills before learning Linux System and Network Administration.

Agenda:

- A Red Hat Linux user who can be productive in using and customizing his or her own Red Hat Linux system for common command line processes and desktop productivity roles, and who is ready to learn system administration (RH-133).
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Forudsætninger:

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Yderligere Kurser:

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Indhold:

Unit 1: Overview

- UNIX History and Principles
- GNU Project, FSF, and the GPL
- Linux Origins and Benefits
- Red Hat Linux Offerings
- Recommended Hardware Requirements
- Red Hat Linux GUI Environments Unit 2: A Quick Tour of Red Hat Linux
- Components of the Red Hat Linux User Interface
- Local Logins and Users
- Examining the Filesystem
- Command Line Shells
- Running Commands, Command Options and Help
- Changing Your Password
- Virtual Consoles Unit 3: File and Shell Basics
- The Current Working Directory
- File Names
- Absolute and Relative Pathnames
- The Home Directory and System Directories
- Changing Directories
- Listing Directory Contents
- Checking Free Space
- Copying, Moving and Renaming Files and Directories
- Creating and Removing Files Directories
- Determining File Type
- Viewing and Editing Text Files
- Filename Pattern Matching

Hands-on Lab: File and Directory Operations

- Users and Groups
- The Red Hat Linux Security Model
- The root user and other system users and groups
- User and System Information Commands
- Changing Your Identity
- Hands-on Lab: Examining User Information Unit 5: File Access Permissions
- Red Hat Linux File Security
- Examining Permissions on Files and Directories
- File Permission Types
- User Categories
- Default File Permissions
- Changing Access Permissions
- Special Permission Types
- Hands-on Lab: File Permissions Unit 6: The Red Hat Linux Filesystem
- Red Hat Linux File Hierarchy Concepts
- ext2/ext3 Filesystem Details
- Hard and Soft Links
- Mounting Removable Media
- Finding and Processing Files
- File Compression and Archiving Utilities

Hands-on Lab: Red Hat Linux Filesystem

- System Variables and Environment
- Shell Variables
- Shell vs. Environment Variables
- Common Environment Variables
- Which Command is Executed?
- Command Recall
- Command-Line Expansion
- Protecting from Expansion
- Command Return Values
- Aliases
- Shell Functions
- Startup and Shutdown Scripts
- Login Shells
- History Tricks
- Command Completion and Editing Tricks
- Hands-on Lab: The bash Shell Unit 8: Standard I/O and Pipes
- Redirecting Input and Output
- Overwriting and Appending
- Redirecting Standard Error
- Redirecting Both Standard Output and Error
- Counting Words, Lines and Characters
- Printing Lines That Match a Pattern
- Regular Expressions
- Sorting Files
- Printing Unique Lines of Files
- Printing Selected Columns and Fields
- Rearranging Columns and Fields
- Determining Differences Between Files
- Character Translation
- Spell-checking and Reformatting Text
- Hands-on Lab: String Processing, Standard I/O, and Pipes Unit 10: Introduction to Processes
- What is a Process?
- How Processes Are Started
- Process Ancestry and States
- Viewing and Terminating Processes
- Sending Signals to Processes
- Altering Process Scheduling Priority
- Running a Process in the Foreground and Background
- Suspending a Process
- Listing and Resuming Background and Suspended Jobs
- Continuing Command Execution After Logout
- Compound Commands
- Hands-on Lab: Process Control Unit 11: X / GNOME / KDE
- The X Window System
- The X Protocol
- The GNOME and KDE Desktop Environment
- Original X Environment
- Window Managers
- Switching Desktop Environments
- Mouse Configuration
- Copying and Pasting in X

Hands-on Lab: Customizing the Graphical

- Printing in Red Hat Linux
- Printer Control
- Printing From Applications
- Printing Utilities
- Email Topology
- Email Clients
- Email Delivery via POP and IMAP
- Email Filtering
- Fetchmail
- Hands-on Lab: Print Preprocessing Unit 13: Basic Networking
- Determining Connectivity to a Host
- Getting Information About Routes and Interfaces
- Listing the Route to a Particular Host
- Translating Between Hostnames and IP Addresses
- Listing DNS Records
- Listing Domain Contacts
- Transferring Files Across the Network
- Checking the Status of Network Ports
- Secure Shell
- Hands-on Lab: Basic Network Clients Unit 14: Using the vi Editor
- Starting vi
- Modes
- Cursor Movement
- Saving and Exiting
- Cut, Copy and Paste
- Undoing Changes
- Searching For Text
- Searching With Regular Expressions
- Miscellaneous Commands
- Scripting Basics
- Creating Shell Scripts
- Making Scripts Executable
- Generating Output
- Handling Input
- Conditional Execution
- Loops
- Using Positional Parameters
- End of Unit 15 Unit 16: sed, awk, and Other Languages
- sed Addresses
- Scripting sed
- A sed Example
- awk Programs
- awk Rules
- Running awk Programs
- Awk Examples
- When To Use awk
- Where To Learn More
- Other Languages Unit 17: System Tools
- Terminal Configuration
- Getting Information About Your System
- Scheduling a Process to Execute Later
- Scheduling Periodic Processes
- RPM Package Manager Queries
- System Administrator Duties
- Hands-on Lab: System Tools

- Starting XFree86
 - GUI Terminals and Editors
 - Nautilus: the GNOME File Browser
 - GNOME Desktop Applications
 - Web Browsers and Mail Clients
 - Office Applications
 - Image Utilities
 - Audio Applications
 - KDE Applications
 - X Customization
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Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

training@globalknowledge.dk

www.globalknowledge.dk

Global Knowledge, Stamholmen 149,7 , 2650 Hvidovre