

SUSE LINUX FUNDAMENTALS

- Course ID: N3036
- Duration: 40 hours

Course Outline:

Section 1 - Understanding the Linux Story

- 1 - The History of Linux
- 2 - Identify the Components of SLES 9
- 3 - Understanding the Multiuser Environment
- 4 - Perform a Simple Installation of SLES 9

Section 2 - Using the Linux Desktop

- 1 - Overview of the Linux Desktop
- 2 - Using KDE desktop environment
- 3 - Using the GNOME desktop environment
- 4 - Accessing the Command line interface from the desktop

Section 3 - Locating and Using Help Resources in the Linux System

- 1 - Accessing and Using man Pages
- 2 - Using info Pages
- 3 - Accessing Release Notes and Whitepapers with /usr/share/doc
- 4 - Using GUI-Based Help in the Linux System

Section 4 - Administering Linux with the YaST2 Management Utility

- 1 - Introduction to YaST2
- 2 - Managing User Accounts with YaST2
- 3 - Accessing a Printer in the Linux System
- 4 - Understanding the YaST2 Software Management Feature
- 5 - Obtaining Hardware Configuration Information from YaST2

Section 5 - Working with the Linux Shell and Command Line

- 1 - Introduction to Command Shells
- 2 - Understanding Command Syntax and Special Characters
- 3 - Executing Commands at the Command Line
- 4 - Managing User Accounts (add/change/delete users)
- 5 - Executing RPM Package Related Operations
- 6 - Piping and Redirection
- 7 - Common Command Line Tasks
- 8 - Creating, Viewing, and Appending Files
- 9 - Archiving Files with tar
- 10 - Compressing and Uncompressing Files with gzip
- 11 - Understanding Regular Expressions
- 12 - Using grep to Search File Content

Section 6 - Using Linux Text Editors

- 1 - Introduction to Linux Text Editors (vi, vim, emacs, gedit, xedit, kedit)
- 2 - Using Command Line Editors to Edit Files in the Linux System
- 3 - Using Desktop Editors to Edit Files in the Linux System

Section 7 - Managing Directories and Files in the Linux System

- 1 - Understanding the File System Hierarchy Standard (FHS)
- 2 - Changing Directories and Listing Directory Contents
- 3 - Identifying File Types in the Linux Systems
- 4 - Finding Files on Linux
- 5 - Copying and Moving Files and Directories
- 6 - Creating Directories
- 7 - Deleting Files and Directories
- 8 - Managing file Permissions and Ownership

Section 8 - Understanding and Viewing Processes in the Linux System

- 1 - Viewing Processes from GUI and the Command Line Interface
- 2 - Multiuser Processes and Multitasking in the Linux System
- 3 - Understanding Types of Linux Processes (using YaST)
 - List Currently Active Network Connections with netstat
 - Use traceroute to Display the Route Between Hosts
 - Update Network Interface Configuration Using ifup and ifdown
 - Display the Routing Table Using the route Command Using ifstatus to View IP Settings
- 4 - Understanding Process Attributes
- 5 - Displaying Process Information
- 6 - The Linux Process Life Cycle

Section 9 - Managing the Network Configuration

- 1 - Managing the Network Configuration Information from YaST2
- 2 - Introduction to Network-Related Command Line Commands
- 3 - Determine Connectivity Between Hosts Using ping
- 4 - Set Up Network Accessibility Using ifconfig