NV 3101 SUSE Linux Enterprise 11 Fundamentals

Course Summary

Description

SUSE Linux Enterprise Server is a highly reliable, interoperable and manageable server operating system that enables firms to cost-effectively and securely deliver mission critical services. In this class, you will be introduced to the fundamentals of Linux and gain a basic understanding of the core features of the SUSE Linux Enterprise 11 Operating System. Course 3101 is the first course in the CLA and LPIC-1 curriculum developed for SUSE Linux Enterprise 11.

Objectives

At the end of this course, students will be able to:

- Understand First Steps with Linux
- Use the Linux Desktop
- Locate and Use Help Resources
- Manage Linux File System
- Work with the Linux Shell and Command Line
- Administer Linux with YaST
- Manage User, Groups, and Permissions
- Use Linux Text Editors
- Manage Software with RPM
- Understand Content Specific to the LPIC-1 Exam in the Addendum

Topics

- First Steps with Linux
- Locate and Use Help Resources
- Manage Linux File System
- Work with the Linux Shell and CLI
- Administer Linux with YaST
- Manage Users, Groups, and Permissions
- Use Linux Text Editors
- Manage Software with RPM

Audience

This course is designed for those who have little or no experience with Linux and who are seeking a fundamental understanding of the SUSE Linux Enterprise 11 operating system. It is also ideal for those who want to begin preparing for the Novell Certified Linux Administrator 11 Exam or the Linux Professional Institute LPIC-1 exams.

Prerequisites

Before taking this course, students are required to have only basic computer skills on any operating system. This course is designed for people who are beginners with the Linux operating system. Knowledge of any desktop operating system is sufficient.

Duration

Three days

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Course Outline

I. First Steps with Linux
- A. Overview of the Linux Desktop
- B. Use the GNOME Desktop Environment
- C. Access the Command Line Interface from the Desktop

II. Locate and Use Help Resources
- A. Access and Use man Pages
- B. Use info Pages
- C. Access release Notes and White Papers
- D. Use GUI-Based Help
- E. Find Help on the Web

III. Manage Linux File System
- A. Understand the File System Hierarchy Standard (FHS)
- B. Identify File Types in the Linux System
- C. Change Directories and List Directory Contents
- D. Create and View Files
- E. Work with Files and Directories
- F. Find Files on Linux
- G. Search File Content

IV. Work with the Linux Shell and CLI
- A. Get to Know the Command Shells
- B. Understand the Multiuser Environment
- C. Execute Commands at the Command Line
- D. Get to Know Common Command Line Tasks
- E. Understand Command Syntax and Special Characters
- F. Use Piping and Redirection

V. Administer Linux with YaST
- A. Get to Know YaST
- B. Network-config with YaST
- C. Add a printer
- D. Software Management with YaST
- E. Understand the Role of SuSEconfig

VI. Manage Users, Groups, and Permissions
- A. Manage User and Group Accounts with YaST
- B. Describe Basic Linux User Security Features
- C. Manage User and Group Accounts from the CLI
- D. Manage File Permissions and Ownership
- E. Ensure File System Security

VII. Use Linux Text Editors
- A. Get to Know Linux Text Editors
- B. Us the Editor vi to Edit Files

VIII. Manage Software with RPM
- A. Manage RPM Software Packages
- B. Manage RPM Software Sources/Catalogs with ZYpp
- C. Update and Patch SLE

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