



Course: SLE201 SUSE Linux Enterprise Server 12 Administration



Training Level:

- ☐ Beginner

Duration:

- ☐ 4 days

Course Overview

This course is designed for those who are seeking a fundamental understanding of SUSE Linux Enterprise Server (SLES) operating system.

Students will be able to install and configure a SLES 12 server and integrate it into existing network. They will be able to perform the most important system administration tasks.

This course helps prepare students for the SUSE Certified Administrator in Enterprise Linux 12 (2018 Update) certification exam.

Key Objectives

Attendees will be taught the following concepts and skills that are fundamental in administering the SLES Operating System:

- Install SLES 12 and perform basic Linux configuration
- Become familiar with the command line interface & commonly used commands
- Configure and use Remote Administration
- Manage the boot process and understand systemd
- Manage processes and jobs
- Manage users and permissions
- Manage software
- Configure basic networking
- Manage storage
- Monitor SUSE Linux Enterprise
- Learn about SUSE Linux Enterprise Server for SAP Applications (optional)

Audience

This course is designed for those who have little or no experience with Linux and are seeking a fundamental understanding of the SUSE Linux Enterprise 12 operating system. It is also ideal for those who want to begin preparing for the SUSE Certified Administrator in Enterprise Linux 12 (2017 Update) certification exam.

Prerequisites

This course is designed for students without previous Linux experience. Basic computer skills on any operating system is required.

Course Outline

- ❑ Section 1: Overview of SUSE Linux Enterprise?
 - ❑ Flavors of SUSE Linux
 - ❑ SLE Maintenance Model
 - ❑ YaST
 - ❑ Linux Desktop Environments
- ❑ Section 2: The Linux Filesystem
 - ❑ Understand the FHS (SLES12)
 - ❑ Understand Linux File Type
- ❑ Section 3: Work with the Command Line
 - ❑ Help and Documentation
 - ❑ The Shell Environment
 - ❑ Common CLI Commands
- ❑ Section 4: The Vim Editor
- ❑ Section 5: Remote Administration
 - ❑ SSH
 - ❑ VNC
- ❑ Section 6: System Initialization
 - ❑ Boot Process
 - ❑ Boot Loader
 - ❑ Kernel and Initrd
- ❑ Section 7: Process Management
 - ❑ Process Administration
 - ❑ Background Processes
 - ❑ Process Scheduling
- ❑ Section 8: Identity and Security
 - ❑ User Management
 - ❑ File Permissions
 - ❑ Privilege Delegation
- ❑ Section 9: Software Management
 - ❑ Compile from Source
 - ❑ RPM
 - ❑ Dependency Managers
- ❑ Section 10: Network Administration
 - ❑ Linux Network Commands
 - ❑ Wicked
 - ❑ Firewall
- ❑ Section 11: Storage Administration
 - ❑ Storage Concepts
 - ❑ Partitioning
 - ❑ Filesystems
 - ❑ LVM
 - ❑ RAID
- ❑ Section 12: Administration and Monitoring
 - ❑ Time Sync
 - ❑ System Logging
 - ❑ Support Config Tool
- ❑ Section 13: Install SUSE Linux Enterprise
- ❑ Appendix: SUSE Linux Enterprise Server 12 for SAP Applications

SUSE Training

Information about SUSE Training can be found at:

<https://training.suse.com>



Contact suse-training@suse.com with any questions.