

SUSE Linux Enterprise Server 15 Advanced Administration (Course SLE301v15)

Duration: 4 Days

Course Description:

The course SUSE Linux Enterprise Server 15 Advanced Administration builds upon the SUSE Linux Enterprise Server 15 Administration course and teaches advanced system administration tasks on SLES 15. Attending students should have a good working knowledge of general system configuration and working with the Linux command line. After attending the course, the student should be capable of administering SLES 15 and be able to deal with specialized networking and storage configuration. They should also have a solid understanding of basic Bash scripting. This course helps prepare students for the SUSE Certified Engineer in Enterprise Linux 15 certification exam.

Target Audience:

The course is designed for those who already have experience with Linux, including general system configuration and using the command line. The course is ideal for those seeking advanced administration skills on SUSE Linux Enterprise Server 15, those who have completed the SUSE Linux Enterprise Server 15 Administration (SLE201v15) course and those preparing to take the SUSE Certified Engineer in Enterprise Linux 15 certification exam.

Prerequisites:

Before attending this course, it is highly recommended that students have a good working knowledge of Linux and should be able to:

- Perform partitioning and file system setup and maintenance
- Perform system configuration including network setup and user management
- Manage software packages
- Work on the command line including file management and text editing

This knowledge can be gained through the SUSE Linux Enterprise 15 Administration Course (SLE201v15).

Course Outlines:

Section 1: Advanced System Administration

- YaST Security Module
- Backup and Recovery
- Software Libraries
- General Server Health
- Monitoring Overview
- Control Groups

Section 02: Encryption

- SSL/TLS
- GPG

Section 03: Shell Scripting

- Use Basic Script Elements
- Use Control Structures
- Read User Input
- Use Arrays
- Use Shell Functions
- Use Command Options in Scripts
- Test File Types and Compare Values

Section 04: Hardware

- Hardware Info
- Drivers

Section 05: Advanced Networking

- Advanced Network Interface Types
- Network Namespaces
- IPv6

Section 06: Advanced Storage Administration

- iSCSI
- MPIO

Section 07: Centralized Authentication

- PAM
- SSSD

Section 08: Advanced Software Management

- RPM
- Repositories
- RMT

Section 9: Configuration Management with Salt

- Salt Overview
- Install and Configure Salt
- Understand Execution Modules
- Understand the Salt State System

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