Fast Lane

SUSE Linux Enterprise Server 15 Administration (SLE201V15)

ID SLE201V15   **Price** on request   **Duration** 4 days

Who should attend

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 15 operating system. It is also ideal for those who want to begin preparing for the SUSE Certified Administrator in Enterprise Linux 15 certification exam.

This course is part of the following Certifications

SUSE Certified Administrator in SUSE Linux Enterprise Server 15 (SCA)

Prerequisites

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

Course Objectives

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

- 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

Course Content

Section 1: Overview of SUSE Linux Enterprise

- Understand the Different Flavors of SUSE Linux
- Understand the SLE Maintenance Model
- Understand YaST

- Understand the GNOME Desktop

Section 2: The Linux Filesystem

- Understand the Filesystem Hierarchy Standard (FHS)
- Understand the Linux File Types

Section 3: Work with the Command Line

- Getting Help at the Command Line
- Understand the Shell Environment
- Understand some Common CLI Commands

Section 4: The Vim Editor

Section 5: Remote Administration

- Understand Remote Administration with OpenSSH
- Understand Remote Administration with VNC

Section 6: System Initialization

- Understand the Boot Process
- Understand the GRUB2 Boot Loader
- Define and Describe systemd

Section 7: Process Management

- Understand Process Administration
- Understand Background Processes
- Understand Process Scheduling

Section 8: Identity and Security

- Understand User Management
- Understand Filesystem Permissions
- Understand Privilege Delegation

Section 9: Software Management

- Understand Compiling Software from Source
- Understand Management of RPM Packages
- Understand Software Management with Libzypp

Section 10: Network Management

- Understand Network Management in SLE

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- Understand Network Management with Wicked
- Understand firewalld
- Configure and Manage firewalld
- Using the firewall-cmd Command to Manage firewalld
- Using firewall-config to Manage firewalld
- Firewall Zone Design

Section 11: Storage Management

- Understand the Linux I/O Stack
- Recognize Traditional Linux File Systems
- Configure Logical Volume Management (LVM)
- Configure Software RAID
- Define and Describe BtrFS
- Understand NFSv4

Section 12: Administration and Monitoring

- Understand Time Sync with chrony
- Configure System Logging
- Understand Supportconfig

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Training Centres worldwide

Fast Lane Institute for Knowledge Transfer GmbH

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch