

## **SUSE Linux Enterprise Server 12 Administration [Course 3124]**

### **Course Outline**

#### **Section 1: What is SUSE Linux Enterprise?**

- Understand the different Flavors of SUSE Linux
- Understand the SLE Maintenance Model
- Install SLES12
- Introduction to the GNOME Desktop
- Understand YaST
- Understand the Filesystem Hierarchy Standard
- Get to Know the Linux File Types

#### **Section 2: Work with the Command Line**

- Understand the Shell Environment
- Use the Most Important Commands
- Get Help at the Command Line
- Work with the VIM Text Editor
- Use OpenSSH for Command Line Remote Administration

#### **Section 3: System Initialization**

- Understand the SLE12 Boot Process
- Understand UEFI, Secure Boot, and Trusted Execution
- Configure the GRUB2 Bootloader
- Understand systemd

#### **Section 4: Process Management**

- Manage Processes
- Work with Background Processes
- Schedule Processes

#### **Section 5: Identity and Security**

- Manage Users and Groups
- Change File Permissions
- Use Access Control Lists (ACLs)
- Delegate Privileges (su)

## **Section 6: Manage Software**

- Manage RPM Packages
- Use Dependency Managers
- Use Software Repositories

## **Section 7: Network Management**

- Use Basic Network Commands
- Configure Network Interfaces
- Install SLES12
- Manage Networks with Wicked
- Set Up SUSEfirewall2

## **Section 8: Storage**

- Configure Partitioning (MBR and GPT)
- Recognize Traditional Linux File Systems
- Introduction to Btrfs
- Configure Software RAID

## **Section 9: Administration and Monitoring**

- Configure Time Synchronization
- Configure System Logging
- Use Supportconfig

## **Section 10: Hardware Management**

- Display Hardware Information
- Manage Drivers