



SUSE Linux 11 for Experienced Linux System Administrators

Duration: 2 Days **Course Code: SLFT**

Overview:

This course is designed to teach the key administration differences of a SUSE Linux Enterprise system. This instructor led SUSE Linux 11 for Experienced Linux System Administrators training course is designed to teach the key administration differences of a SUSE Linux 10 Enterprise system.

Target Audience:

The SUSE Linux 11 for Experienced Linux System Administrators course is suitable for experienced Linux System Administrators who need to acquire knowledge of the key differences of administration on a SUSE Linux Enterprise system.

Objectives:

- SUSE Product Offerings and Certification
 - Using the yast tool for administration tasks
 - Installing the SUSE operating system from a local device
 - Installing the SUSE operating system from a networked server
 - Monitoring hardware
 - Managing the SUSE network environment
 - Managing system services
 - Managing system security with the yast tool
 - Manageing on-line internet updates
 - Troubleshooting and repairing a system that can't be booted
 - Miscellaneous differences
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Prerequisites:

- Recent in-depth practical experience of administrating LINUX in a network environment on another LINUX platform such as RedHat or Mandriva.
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Content:

Session 1: SUSE LINUX PRODUCT OFFERINGS AND CERTIFICATIONS

- Suse(r) Linux Enterprise Server
- OPENSuse(r) Linux
- Other Product Offerings
- Novell Certifications

Session 2: YAST

- The Yast System Configuration Tool

Session 3: INSTALLING SUSE

- Dual Booting
- Performing the Installation
- The Installation Program User Interface
- Virtual Consoles
- Console Keystrokes
- Boot Options
- Function Keys
- Additional Boot Options
- Turning off Frame Buffer Support
- VNC Installation Options
- Kernel Options
- Installation Procedures
- Hard Disk Partitioning
- Software Selection
- Booting Screen
- Time Zone Configuration
- Installation Progress
- Installation Final Stages
- SUSE LINUX Desktops

Session 4: SUSE NETWORK INSTALLATION

- Setting up an Installation Server
- Booting the Client
- Creating a PXE Boot Environment
- Setup the Server as an HTTP, FTP or NFS Server
- Install the Syslinux Package
- Install a DHCP Server with a PXE Boot Environment
- Configure the TFTP Environment
- Setup the PXE Boot Menu and Options
- Automatic Installation
- The XML Control File
- Example XML Control File
- Creating a Control File with Yast
- Editing Configuration Files and Custom Control Scripts
- The Auto-Installation Process
- Autoyast Command Line Parameters
- Combining Autoyast and PXEboot
- Troubleshooting PXEboot
- DHCP Errors
- tftpboot Errors
- Installation Errors
- Examine Network Packets

Session 5: MONITORING HARDWARE

- hwdm
- The lsvpd Package
- The lscfg Command
- siga
- Detecting new/existing Hardware
- The Hotplug System
- Devices and Interfaces
- Devices under 2.4 Kernels
- The Sysfs Filesystem and Persistent Names
- Device Initialisation and Interface Configuration
- Hotplug Events
- Hot-Plug Agents
- Cold Plug
- Logging/Debugging Hotplug
- Boot Time Parameters
- The UDEV System
- Creating Rules
- Configuring UDEV
- Automatic Mounting
- Access Privileges
- Persistent Names for Mass Storage Devices

Session 6: MANAGING THE SUSE NETWORK ENVIRONMENT

- Basic Network Configuration
- The Basic Network Configuration Files
- The ifcfg File
- The iproute2 Suite
- Configuring the Network Card
- Configuring the Network Address
- Configuring Routing
- Configuring Interfaces: Yast
- Multiple Addresses Per Interface (Virtual Interface)
- Controlling Network Parameters
- Routing under Suse
- Remote Administration

Session 7: MANAGING SYSTEM SERVICES

- Initiating a New Service
- Starting/Stopping Services Manually
- Enabling/Disabling Services using Yast
- Suseconfig and /etc/sysconfig
- The Yast Sysconfig Editor

Session 8: MANAGING SYSTEM SECURITY

- System Wide Security Settings
- Password Settings
- Boot Settings
- Login Settings
- User Addition
- Miscellaneous Settings
- Managing the Firewall
- The seccheck Tool

Session 9: ON-LINE UPDATES

- Updating your System
- Yast Online Update
- Automatic Notification of Updates
- Command Line Tools: zypper

Session 10: TROUBLESHOOTING AND REPAIRING A SYSTEM THAT CAN'T BE BOOTED

- Troubleshooting SUSE Overview
- Booting into Maintenance Mode (Single User Mode)
- Booting into Maintenance Mode (Forgotten Root Password)
- Automatic Boot into Maintenance Mode (Error Condition)
- Booting the Rescue System
- Booting into Yast System Repair Mode

Session 11: MISCELLANEOUS SUSE DIFFERENCES

- Printer Management
- Automatically Locating Printers
- Manually Locating Printers
- Enabling and Disabling Printers
- File System Types
- Creating Partitions using Yast
- Package Management
- Log Files
- Managing Raid
- The Kernel

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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