Szkolenie: SUSE
SLE301 SUSE Linux Enterprise Server 12 Advanced Administration

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<td>Tradycyjne</td>
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* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00
Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

Cel szkolenia:

The **course SLE301 SUSE Linux Enterprise Server 12 Advanced Administration** builds upon the SUSE Linux Enterprise Server 12 Administration course and teaches advanced system administration tasks on **SLES12**.

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 SLES12 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 12 (2018 Update) certification exam**.

Audience Summary

- 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 12, those who have completed the **SUSE Linux Enterprise Server 12 Administration** (**SLE201**) course and those preparing to take the **SUSE Certified Engineer in Enterprise Linux 12 (2017 Update)** certification exam.

Plan szkolenia:

- Advanced System Administration
- YaST Security Module
  - Understand and use the YaST Security Module
- Backup and Recovery
  - Understand and Use Snapper
- Software Libraries
  - Understand Software Libraries in Linux
- General Server Health
  - Gather Server Health and Performance Information
- Monitoring Overview
  - Monitoring Methodology
  - What are Optimization Tools?
  - The Optimization Process
  - System Optimization Tools
- Control Groups
  - Understand Linux Control Groups
- Encryption
  - SSL/TLS
    - Understand SSL/TLS Concepts
    - Create a Certificate Authority
    - Generate and Use Certificates
    - openSSL
  - GPG
    - Understand GPG Concepts
    - Perform GPG Key Creation and Management
    - Perform GPG Key Distribution
- Shell Scripting
  - Use Basic Script Elements
  - Use Control Structures
  - Read User Input
  - Use Arrays
  - Use Functions
  - Use Command Options in Scripts
  - Test File Types and Compare Values
- Hardware
  - Hardware Info
    - Display Hardware Information
Drivers
- Understand Linux Drivers
- Use Driver Management Utilities

Advanced Networking
- Network Namespaces
  - Understand Linux Network Namespaces
  - Work with Linux Network Namespaces
- Openvswitch
  - Understand Openvswitch Concepts
  - Install and Configure Open vSwitch
- IPv6
  - Understand IPv6
  - Configure IPv6

Storage Administration
- iSCSI
  - Understand iSCSI Concepts
  - Configure and Manage the LIO Daemon
- MPIO
  - Understand Multipath I/O
  - Configure and Manage Device Mapper Multipath I/O

Centralized Authentication
- PAM
  - Understand PAM
  - Configure PAM
- SSSD
  - Understand SSSD
  - Deploy SSSD

Packaging and Updates
- RPM
  - Manage RPM Packages
  - Build RPM Packages
  - Understand the RPM spec file
  - Sign RPM Packages with GPG
- Repositories
  - Understand Software Repository Concepts
  - Create a Software Repository with createrepo
Sign RPM-MD Software Repositories
Manage Software Repositories with libzypp

SMT
Understand the Subscription Management Tool (SMT)
Install and Configure an SMT Server
Manage Software Repositories with SMT
Use Repository Staging with SMT
Configure SMT Clients

Advanced Deployment
AutoYaST
Introduction to AutoYaST
Prepare for an AutoYaST Installation
Configure and Installation Server
Configure PXE

Kiwi
Overview of KIWI
Installing KIWI
Basic Workflow
Building Images
Customizing the Boot Process
The KIWI Image Description File
Advanced Configuration Options
Image Maintenance
System Analysis

Machinery
Overview of Machinery
Installation
Using Machinery

Configuration Management with Salt
Salt Overview
Install and Configure Salt
Understand Execution Modules
Understand the Salt State System

Wymagania:
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 12 Administration Course (SLE201).

Poziom trudności

Certyfikaty:

The participants will obtain certificates signed by SUSE.

Prowadzący:

Certified SUSE Trainer.