



Course: SLE211v15

SUSE Linux Enterprise Server 15 Deployment



Training Level:

- ☐ Intermediate

Duration:

- ☐ 2 days

Course Overview

This course is designed for those who deploy, or will be deploying, SUSE Linux Enterprise Server locally on bare metal, virtualized, or into a public or private cloud, including Azure, AWS, or GCE.

Students will learn basic installation techniques using the unified installer, as well as more advanced AutoYaST and image-based deployments.

Key Objectives

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

- Understanding current deployment technologies
- How to deploy with AutoYaST
 - Configuring installation services: DHCP, PXE, Installation Servers
 - Automating an installation with AutoYaST
- Image based deployment with KIWI
 - Basic layout and function of a KIWI XML file
- Deploying to the cloud
 - Azure introduction
 - AWS introduction
 - GCE introduction
 - Images found in the public cloud marketplaces
 - Deploying to Azure, AWS, and GCE

Audience

This course is designed for those who have experience administering SUSE Linux Enterprise Server or other Linux distributions.

Prerequisites

Students should be proficient in the use of the Bash shell, understand basic use-cases for deployment types, and be comfortable installing operating systems. Linux experience is required.

Course Outline

- ❑ Section 1: Overview of Deployment Technologies
 - ❑ Bare Metal Technologies
 - ❑ Cloud Deployments
 - ❑ Automation and Imaging
- ❑ Section 2: Automated Installation with AutoYaST
 - ❑ Installation Services
 - ❑ SLES Installation Server
 - ❑ DHCP
 - ❑ TFTP
 - ❑ PXE
 - ❑ Understand AutoYaST
 - ❑ Prepare for an AutoYaST Installation
 - ❑ The Control File
 - ❑ PXE and AutoYaST
 - ❑ AutoYast Scripts, Rules, and Classes
- ❑ Section 3: Image Based Deployment with KIWI
 - ❑ Overview of KIWI
 - ❑ Installing KIWI
 - ❑ Basic KIWI Workflow
 - ❑ Building KIWI Images
 - ❑ Customizing the Boot Process
 - ❑ The KIWI Image Description File
 - ❑ Advanced Configuration Options
 - ❑ KIWI Image Maintenance
- ❑ Section 4: Cloud Deployment
 - ❑ Available Cloud Providers
 - ❑ Images in the Cloud
 - ❑ Deploying to the cloud
 - ❑ GCE
 - ❑ Azure
 - ❑ AWS

SUSE Training

Information about SUSE Training can be found at:

<https://training.suse.com>



Contact suse-training@suse.com with any questions.