



# 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:

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Contact [suse-training@suse.com](mailto:suse-training@suse.com) with any questions.