

## SLE311v12 SLES for SAP Applications HA Deployment and Configuration

### Course Summary

#### Description

This course is designed to give an understanding of the features and components of SUSE Linux Enterprise Server for SAP Applications. The course provides an overview of where to source the information required to successfully execute a deployment. Next the details of the components of SLES for SAP Applications is explored including the SLES High Availability components specific to SAP deployments, how to use the custom installation features and how to secure a SLES for SAP Applications system.

#### Objectives

At the end of this course, students will be able to:

- Resources required to Plan and Deploy SLES for SAP Applications
- Product Support Infrastructure
- Understand the components of SLES for SAP Applications
- Planning for and Installation of SLES for SAP Applications
- Review of SLES High Availability
- Tuning and Securing a SLES for SAP Applications
- An introduction to SLES for SAP Applications HA in the Public Cloud

#### Topics

- Course Overview
- Information Resources
- Deploying SLES for SAP Applications
- Overview of SLES for SAP Applications
- SLES for SAP Applications HA
- Tuning and Securing SLES for SAP Applications HA
- Overview of SLES for SAP Applications in the Cloud

#### Audience

SLES administrators tasked with administering systems running SLES for SAP Applications hosting SAP workloads and SAP experts wishing to understand the underlying platform.

#### Prerequisites

Attendees should have knowledge of SLES equivalent to the SCA in Enterprise Linux level. A high level understanding of the SUSE Linux Enterprise High Availability Extension or general High Availability concepts would be beneficial. This course does not require any specific SAP product knowledge.

#### Duration

Three days

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### Course Outline

#### I. Course Overview

#### II. Information Resources

- A. SAP Support Resources
- B. SAP Notes
- C. SAP Integration and Certification Center (SAP ICC)
- D. The LinuxLab
- E. Accessing Support
- F. SUSE Documentation

#### III. Deploying SLES for SAP Applications

- A. Overview of Deploying SLES for SAP Applications
- B. Network Requirements
- C. Installation Methods
- D. Interactive Installation of SLES for SAP Applications
- E. The Installation Workflow
- F. Using an AutoYaST Profile
- G. Prepare the Environment for using AutoYast
- H. Configuring an Installation Server

#### IV. Overview of SLES for SAP Applications

- A. Overview of the SLES for SAP Applications
- B. Getting Support for SLES for SAP Applications
- C. Synergistic SUSE Products
- D. Live Patching
- E. SUSE Manager

#### V. SLES for SAP Applications HA

- A. Review of SLE HA
- B. Enqueue Replication
- C. Node Storage
- D. SUSE Cluster Connector
- E. SAP Linux Users and Groups
- F. HANA SR Scale up with SLES for SAP Applications HA
- G. Overview of Installing HANA SR Scale Up on SLES HA

#### VI. Tuning and Securing SLES for SAP Applications HA

- A. Hardening the SLE Operating System
- B. Firewall Configuration
- C. Overview of cryptctl
- D. Malware Protection with ClamSAP
- E. Overview of Updating Systems
- F. Software Version Control Strategies
- G. Overview of Updating Systems
- H. Applying Updates and Patches to SLES HA Nodes
- I. Upgrading Systems
- J. saptune
- K. sapconf

#### VII. Overview of SLES for SAP Applications in the Cloud

- A. Public, Private and Hybrid Clouds
- B. SLE HA in a Public Cloud Environment