Course: SLE322v12
SLES for SAP Applications Deployment and Configuration of Netweaver with HA

Training Level:
- ❏ Intermediate

Duration:
- ❏ 3 days

Course Overview

This course is designed to enable you to deploy SAP NetWeaver on SLES for SAP Applications with HA. The course teaches best practices leading to a deployment that complies with the SAP certification NW-HA-CLU 7.40. The course starts with an overview of the SAP Netweaver ABAP and Java application servers followed by concepts of the SAP enqueue server and enqueue replication server. Next the environment required for the deployment is explored, including the shared storage required for deployment of the highly available enqueue server. Other topics include cluster resource requirements, integration of the SAP environment with the HA environment using the sap_suse_cluster_connector, and monitoring and managing the NetWeaver environment in the cluster environment.

Key Objectives

Attendees will be taught the following concepts and skills:
- ❏ Overview of the NetWeaver ABAP and Java Application Server
- ❏ The Enqueue Server and Enqueue Replication
- ❏ Required storage for the Enqueue Server in a HA environment
- ❏ Cluster resources required to implement HA for NetWeaver
- ❏ Integrating SAP into the Cluster Framework using the sap_suse_cluster_connector
- ❏ Configuring the deployment to match certification NW-HA-CLU 7.40
- ❏ Monitoring and Day 2 Management

Audience

SLES administrators tasked with administering systems running SLES for SAP Applications hosting NetWeaver ABAP or Java in a HA environment and SAP experts wishing to deploy a NW-HA-CLU 7.40 compliant SLES for SAP Applications HA system.

Prerequisites

Attendees should have knowledge of SLES equivalent to the SCA in Enterprise Linux level along with an in depth understanding of the SUSE Linux Enterprise High Availability Extension or general High Availability concepts. This course does not require any specific SAP product knowledge.

Course Outline

- ❏ Section 1: Course Overview
- ❏ Section 2: Information Resources
    - ❏ SAP Support Resources
    - ❏ SAP Notes
    - ❏ SAP Integration and Certification Center (SAP ICC)
    - ❏ The LinuxLab
    - ❏ Accessing Support
    - ❏ SUSE Documentation
- ❏ Section 3: Deploying SLES for SAP Applications
    - ❏ Overview of Deploying SLES for SAP Applications
    - ❏ Network Requirements
    - ❏ Installation Methods
    - ❏ Interactive Installation of SLES for SAP Applications
    - ❏ The Installation Workflow
    - ❏ Using an AutoYaST Profile
    - ❏ Prepare the Environment for using AutoYast
    - ❏ Configuring an Installation Server
- ❏ Section 4: Overview of SLES for SAP Applications
    - ❏ Overview of the SLES for SAP Applications
    - ❏ Getting Support for SLES for SAP Applications
    - ❏ Synergistic SUSE Products
        - ❏ Live Patching
        - ❏ SUSE Manager
- ❏ Section 5: SLES for SAP Applications HA
    - ❏ Review of SLE HA
    - ❏ Enqueue Replication
    - ❏ Node Storage
    - ❏ SUSE Cluster Connector
    - ❏ SAP Linux Users and Groups
    - ❏ HANA SR Scale up with SLES for SAP Applications HA
    - ❏ Overview of Installing HANA SR Scale Up on SLES HA
- ❏ Section 6: Tuning and Securing SLES for SAP Applications HA
    - ❏ Hardening the SLE Operating System
    - ❏ Firewall Configuration
    - ❏ Overview of cryptctl
    - ❏ Malware Protection with ClamSAP
    - ❏ Overview of Updating Systems
    - ❏ Software Version Control Strategies

SUSE Training

Information about SUSE Training can be found at:

https://training.suse.com

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

- ❏ Overview of Updating Systems
- ❏ Applying Updates and Patches to SLES HA Nodes
- ❏ Upgrading Systems
- ❏ saptune
- ❏ sapconf
- ❏ Section 7: Overview of SLES for SAP Applications in the Cloud
  - ❏ Public, Private and Hybrid Clouds
  - ❏ SLE HA in a Public Cloud Environment