Course Description

Course: SLE323v12
Deploying SAP HANA SR Scale Up on SLES for SAP Applications HA

Training Level:
- ❏ Intermediate

Duration:
- ❏ 2 days

Course Overview
This course provides an understanding of the tasks and processes involved in deploying SAP HANA with System Replication in a Scale Up configuration on SLES for SAP Applications with HA. It is based on SUSE Best Practices. The course starts by providing an overview of SAP HANA and using System Replication to provide high availability for SAP HANA. It then covers the storage and configuration required to successfully deploy SAP HANA SR on SLE HA. Next the required cluster resources are configured and tested. The course finishes by discussing administration procedures specific to the configuration then the SLE cluster nodes are tuned specifically to host SAP HANA.
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Key Objectives
Attendees will be taught the following concepts and skills:
- ❏ Introduction to SAP HANA
- ❏ Understand the SAP HANA high availability component System Replication
- ❏ Plan for, install and configure SAP HANA with System Replication
- ❏ Deploy and configure SLE HA to host SAP HANA SR with fully automated SAP HANA failover
- ❏ Design and perform cluster tests
- ❏ Monitor SAP HANA SR and perform cluster administration tasks specific to the configuration
- ❏ Tune the SLE cluster nodes to host SAP HANA

Audience
SLES administrators tasked with administering SLE HA clusters hosting SAP HANA SR in a Scale Up configuration.

Prerequisites
Attendees should have knowledge of SLES equivalent to the SCA in Enterprise Linux level. A detailed understanding of the SUSE Linux Enterprise High Availability Extension or general High Availability concepts is required. Knowledge of SAP HANA including System Replication would be beneficial.

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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
  - ❏ 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

SUSE Training

Information about SUSE Training can be found at:

https://training.suse.com

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