Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up

Category: Infrastructure & IT Operations | **Vendor:** SUSE

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course provides an understanding of the tasks and processes involved in deploying SAP HANA with System Replication in a Scale Up Performance Optimized configuration on SLES for SAP Applications with HA. This course is based on SUSE best practices. The course starts by providing an overview of SAP HANA and using System Replication (SR) to provide high availability for SAP HANA. It then covers the storage and configuration required to successfully deploy SAP HANA SR on SLE High Availability (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.

About This Course

Section 1: Course Introduction

- Course Objectives and Audience
- Course Lab Environment Overview
- Certification Options
- Additional SUSE Training

Section: 2 Introduction to SAP HANA

- Available Documentation
- Overview of SAP HANA
- SAP HANA Database Terminology
- SAP HANA Architecture
- Overview of SAP HANA Deployment Options
- Scale Up and Scale Out
- Introduction to HANA System Replication

Section: 3 Native SAP HANA High Availability Solutions

- Component Redundancy
- Server Hardware
- Data Centers and HANA System Replication
- SAP HANA High Availability Features
- Service Auto-Restart
- SAP HANA Auto-Restart
- SAP HANA Disaster Recovery Support
- SAP HANA System Replication
- Backing Up SAP HANA

Section: 4 Preparing to Deploy SAP HANA SR

- Performance vs Cost Optimized
- SAP HANA Hardware and Cloud Measurement Tools
- Planning to Deploy SAP HANA Scale Up Performance Optimized with System Replication
- Preparing to Install SAP HANA
- Appliance vs SAP HANA Tailored Datacenter Integration (TDI)
- SAP HANA Hardware Directory
- Supported Operating Systems
- Supported File Systems for SAP HANA
- Storage for SAP HANA
- HANA User and Group Accounts
- HA with SAP HANA System Replication

Section: 5 Installing SAP HANA Scale Up

- SAP HANA Platform Lifecycle Management Tools

Section: 6 Configure SAP HANA System Replication

- Prepare the SAP HANA Primary System before Configuring System Replication
- Configure HANA System Replication
- Test a manual SAP HANA System Replication Takeover

Section: 7 Tuning SLES for SAP Applications to Host a SAP HANA Workload

- Using saptune to Tune Systems for a SAP HANA Workload

Section: 8 Deploy and Configure SLES for SAP Applications to Host SAP HANA SR Scale Up with High Availability

- Installing the SLES for SAP Applications HA Components
- Deploy the Cluster
- Global Cluster Configuration

- Perform Basic Cluster Functionality Tests
- Cluster Bootstrap Configuration
- Configure SAP HANA HA/DR Providers
- Create and Configure the Required Cluster Resources

Section: 9 Design and Perform Cluster Tests

- Designing Cluster Tests
- Testing Tasks and Tools
- Planning and Performing Cluster Tests

Section: 10 Monitoring and Administering the HA Solution

- Monitoring the HA Components
- Monitoring SAP HANA System Replication
- Important Cluster Administration Instructions

Who Should Attend

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

Prerequisites & Entry Requirements

General 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.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Attendees will be taught the following concepts and skills:

- Introduction to SAP HANA
- SAP HANA high availability component System Replication
- Planning, installation and configuration of SAP HANA with System Replication
- Tuning of SLE cluster nodes to host SAP HANA
- Deployment and configuration of SLE HA to host SAP HANA SR with automated SAP HANA failover
- Cluster testing
- Monitoring of SAP HANA SR and perform cluster administration tasks specific to the configuration

Skills You Will Learn:

Attendees will be taught the following concepts and skills:

- Introduction to SAP HANA
- SAP HANA high availability component System Replication
- Planning, installation and configuration of SAP HANA with System Replication
- Tuning of SLE cluster nodes to host SAP HANA
- Deployment and configuration of SLE HA to host SAP HANA SR with automated SAP HANA failover
- Cluster testing
- Monitoring of SAP HANA SR and perform cluster administration tasks specific to the configuration

Frequently Asked Questions

Q: What delivery options are available for Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up?

Yes, we provide corporate training, dedicated training, and closed classes for Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up, SLES for SAP Applications, SLE323V15

Q: Why choose Nexus Human for Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Using SLES for SAP Applications to Provide High Availability for SAP HANA Scale Up training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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