Deploying and Administering SUSE Linux Enterprise High Availability 15

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

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This course teaches students to deploy and administer the SUSE Linux Enterprise High Availability 15 product. The course introduces the product features and implementation planning for both on premise and the public cloud. A SLE15 HA cluster is deployed and then applications and clustered storage are configured, tested and administered.

This course prepares students for the SCA+ in SUSE Linux Enterprise High Availability exam.

About This Course

This course teaches students to deploy and administer the SUSE Linux Enterprise High Availability 15 product. The course introduces the product features and implementation planning for both on premise and the public cloud. A SLE15 HA cluster is deployed and then applications and clustered storage are configured, tested and administered.

This course prepares students for the SCA+ in SUSE Linux Enterprise High Availability exam.

Who Should Attend

This course is designed for existing Linux administrators who want to configure highly available services using SUSE Linux Enterprise HA. This course provides a foundation for deploying SAP on SLE 15 HA.

Prerequisites & Entry Requirements

General Prerequisites:

Students require a good knowledge of SLES15. Some familiarity with the basic concepts of clustering for HA would be useful but not required.

Learning Outcomes

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

During this course you will learn to:

- Plan and prepare to implement a SLE HA cluster
- Install SLE HA and create a Corosync/Pacemaker cluster
- Administer a cluster using Web and CLI tools
- Configure node fencing
- Cluster basic resources, such as IP addresses and services
- Provision cluster storage
- Configure the cluster behavior using constraints
- Perform basic cluster troubleshooting

Detailed Course Outline

- Section 1: Introduction
- Agenda
- Course Overview
- Lab Environment
- Section 2: Introduction to SUSE Linux Enterprise HA
- Overview of SUSE Linux Enterprise HA
- Why Should I Consider Implementing a Cluster?
- Cluster Terminology
- An Overview of the HA Architecture
- SLE HA in Public Cloud Environments
- Section 3: Cluster Implementation Requirements
- Overview of SLE15 HA Implementation Process
- Collect the Required Parameters
- Determine Expectations
- Planning Storage

- 2 Node Clusters, a Special Case
- Differences between SLE 12 and SLE 15
- Designing Test Cases
- Testing and Documentation
- Section 4: Cluster Node Preparation
- Local Filesystems
- Preparing the Infrastructure
- Cluster Networking
- Bonding Configuration
- Time Synchronization
- Name Resolution
- User Management
- Software Management for the HA Environment
- Updating Cluster Nodes
- Section 5: Deploy a Cluster
- Preparation Checklist
- Cluster setup step by step
- Secure Cluster Communications
- Section 6: Administer the HA Cluster
- Overview of the Cluster Administration Tools
- Introduction to Hawk
- Command Line Tools
- Configure and Synchronize files with csync2
- Section 7: Configure Fencing
- Understand Split Brain
- Understand Fencing
- STONITH
- Fencing using BMC

Skills You Will Learn:

During this course you will learn to:

- Plan and prepare to implement a SLE HA cluster
- Install SLE HA and create a Corosync/Pacemaker cluster
- Administer a cluster using Web and CLI tools
- Configure node fencing
- Cluster basic resources, such as IP addresses and services
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Frequently Asked Questions

Q: What delivery options are available for Deploying and Administering SUSE Linux Enterprise High Availability 15?

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 3-day Deploying and Administering SUSE Linux Enterprise High Availability 15 course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Deploying and Administering SUSE Linux Enterprise High Availability 15 training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Deploying and Administering SUSE Linux Enterprise High Availability 15?

Yes, we provide corporate training, dedicated training, and closed classes for Deploying and Administering SUSE Linux Enterprise High Availability 15. 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: Deploying and Administering SUSE Linux Enterprise High Availability 15, SLES for SAP Applications, SLE321V15

Q: Why choose Nexus Human for Deploying and Administering SUSE Linux Enterprise High Availability 15?

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 Deploying and Administering SUSE Linux Enterprise High Availability 15 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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