SUSE Linux Enterprise 15 High Availability Operations (HAE321V15)

ID HAE321V15 **Price** CHF 1,950.—(excl. VAT) **Duration** 4 days

Who should attend

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

Prerequisites

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

Course Objectives

During this course you will learn to:

- Understand the features and components of the SUSE Linux Enterprise High Availability components
- Administer a cluster using Web and CLI tools
- Provision highly available storage
- Cluster resources, such as IP addresses and services
- Configure the cluster behavior using constraints
- Prepare a cluster for maintenance tasks
- Perform a rolling software upgrade
- Perform basic cluster troubleshooting

Course Content

Section 1: Course Introduction

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

Section 2: Introduction to SUSE Linux Enterprise High Availability Extension

- Overview of the SUSE Linux Enterprise High Availability Extension
- Cluster Terminology
- Overview of the High Availability Extension's Components

Section 3: Introduction to the Cluster Administration Tools

- Overview of the Cluster Administration Tools
- Introduction to Hawk2
- Command Line Tools
- Configure and Synchronize files with csync2

Section 4: Introduction to Cluster Resources

- Introduction to Cluster Resources
- Resource Agents
- Resource Types

Section 5: Introduction to Cluster Constraints

- Overview of Constraints
- Location Constraints
- Order Constraints
- Colocation Constraints

Section 6: Deploy and Configure Cluster Managed Storage

- Deploy and Configure Cluster Managed Storage
- Configure Lock Management for Shared Storage
- Deploy OCFS2
- Deploy Clustered LVM
- Deploy Clustered DRBD

Section 7: Deploy a Highly Available Workload

- Cluster NFS using DRBD Storage
- Test the Clustered NFS Configuration

Section 8: Maintenance Mode Options and Configuration

- Overview of Maintenance Mode
- Using Maintenance Mode
- Shutting Down the Cluster

Section 9: Update the Cluster Node Software

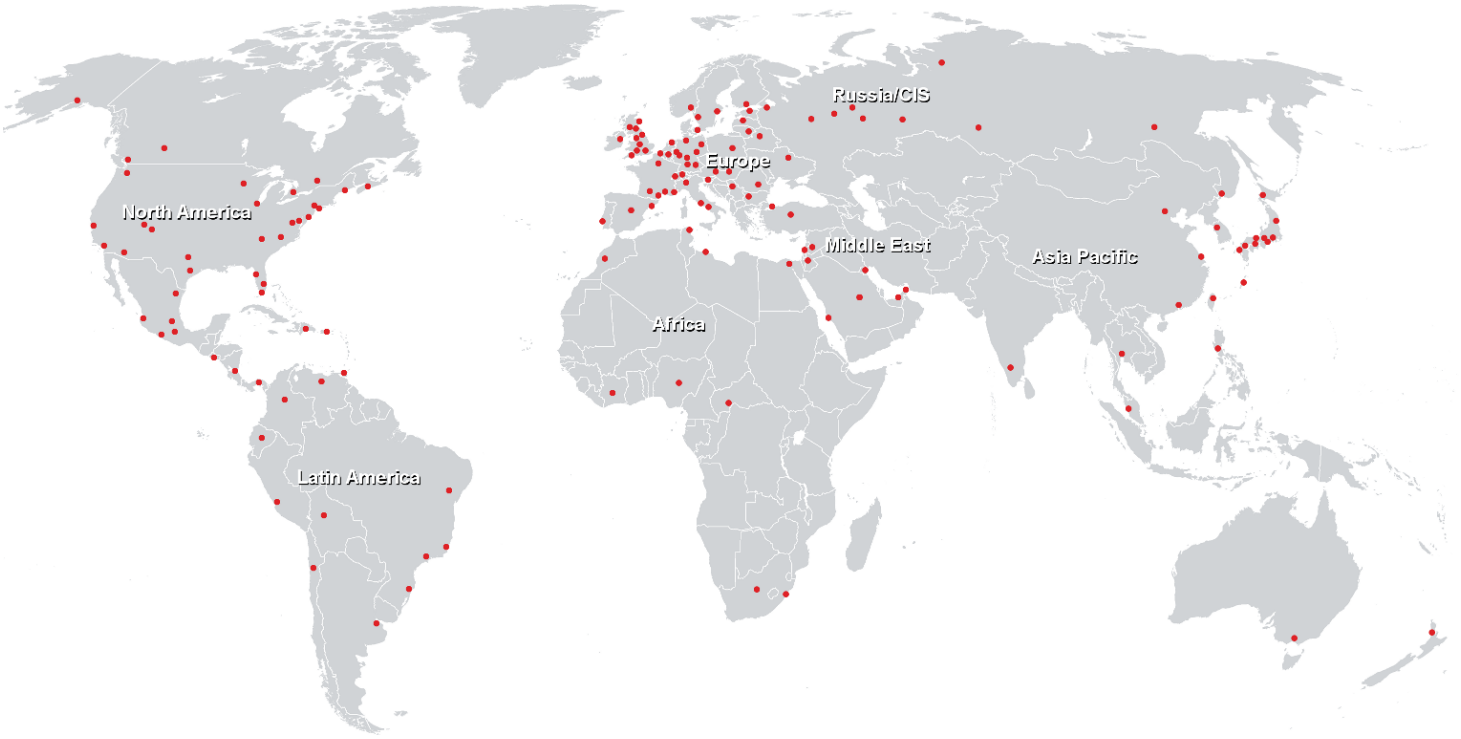
- Overview of the Update Process
- Deploy System Updates

Section 10: Introduction to Troubleshooting

- Overview of Troubleshooting a Cluster
- Preforming a Cluster Health Check
- Command Line Troubleshooting Tools
- Logs
- Cluster Startup Configuration

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Training Centres worldwide





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