SUSE Linux Enterprise 15 High Availability Deployment (HAE311V15)

ID HAE311V15 **Price** CHF 1,950.—(excl. VAT) **Duration** 3 days

Who should attend

This course is designed for existing Linux administrators who want to deploy a highly availability cluster 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:

- Plan and prepare to implement a SLE HA cluster
- Install SLE HA and create a Corosync/Pacemaker cluster
- Use the administration tools available to administer a cluster
- Configure node fencing
- Deploy and configure an arbitrator system to provide additional votes to the quorum system
- Add an additional node to an existing cluster

Course Content

Section 1: Introduction

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

Section 2: Introduction to the 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
- SLE HA in the Public Cloud

Section 3: Cluster Implementation planning

- Overview of SLE15 HA Implementation Process
- Collect the Required Parameters
- SetExpectations
- Planning Storage
- 2 Node Clusters, a Special Case
- 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

Section 5: Cluster Deployment

- Prepare the Infrastructure
- Deploy the First Cluster Node
- Deploy the Second Cluster Node
- Configure Fault Tolerance for corosync Communications
- Advanced Quorum Configuration with Qdevice and QNetd

Section 6: Introduction to the Cluster Administration Tools

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

Section 7: Fencing Concepts and Configuration

- Overview of Split Brain in a Cluster
- Understand Fencing
- STONITH - Shoot the other Node in the Head

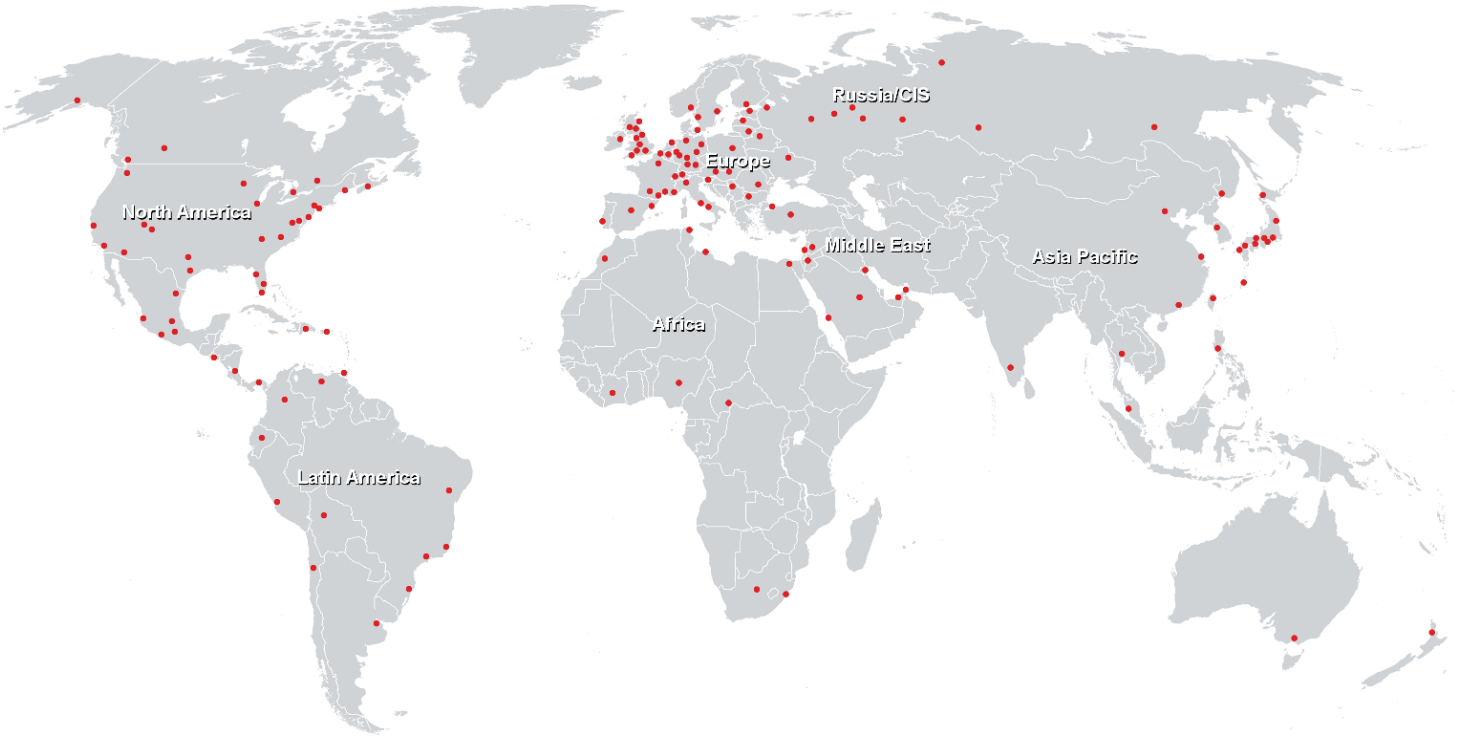
- Implement Fencing

Section 8: Deploy Additional Cluster Nodes

- Prepare a System to become a Cluster Node
- Prepare the Cluster for the New Node
- Add a Node to the Cluster
- Update the Cluster Configuration

SUSE Linux Enterprise 15 High Availability Deployment (HAE311V15)

Training Centres worldwide





Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch