

**Course: SLE321v15 Deploying and Administering SUSE Linux Enterprise High Availability 15**

**Training Level:**

Advanced

**Course Overview**

This three day 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.

**Duration:**

3 days

**Key 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
- Administer a cluster using Web and CLI tools
- Configure node fencing using the BMCs and SBD
- Cluster basic resources, such as IP addresses and services
- Cluster storage in a cluster safe way
- Configure the cluster behaviour using constraints
- Perform basic cluster troubleshooting

**Audience**

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**

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

**Course Outline**

- Section 1: Introduction to the SUSE Linux Enterprise HA Extension
- Section 2: Install and Configure a Cluster
- Section 3: Cluster Administration Tools
- Section 4: Cluster Configuration
- Section 5: Create Cluster Resources
- Section 6: Control Cluster Behavior with Constraints
- Section 7: Split Brain Avoidance
- Section 8: Introduction to Clustered Storage
- Section 9: Configure Clustered Software RAID
- Section 10: Configure Clustered LVM

Section 11: Configure Active-Active Clustered Storage  
Section 12: Configure Clustered DRBD  
Section 13: Cluster Security  
Section 14: Cluster Troubleshooting  
Section 15: Implement HTTP Load Balancing