Course SLE321

High Availability Clustering with SUSE Linux Enterprise 12

This 3 day course teaches students to deploy and administer the SUSE Linux Enterprise 12 High Availability Extension.

Course Information

Delivery Method: Classroom, Virtual Classroom
Course Duration: 3 days
Course Level: Intermediate

Key Objectives

During this course you will learn:

- Install the SLE HA Extension and create a Corosync/Pacemaker cluster
- Administer a cluster using Web and CLI tools
- Configure node fencing using the SBD plugin for STONITH
- Cluster basic resources, such as IP addresses and services
- Cluster storage in a cluster safe way using LVM
- Implement Active/Active storage using OCFS2 and GFS
- Configure simple load balancing using HA Proxy

Audience Summary

This course is designed for existing Linux administrators who want to configure highly available services using the SUSE Linux Enterprise HA Extension.

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

Course Prerequisites

Students require a good knowledge of SLES12 and familiarity with the basic concepts of clustering for HA.