



SUSE Enterprise Storage 5 Administration

CLAVE	DURACIÓN	MODALIDAD	EXAMEN
SES201v5	2 días	Presencial	050-751

PRERREQUISITOS	TECNOLOGÍA
SLE201	SUSE

Overview

About this Course

This two day course introduces students to SUSE Enterprise Storage 5 and provides them with the skills to access, administer and monitor a basic storage cluster

At Course Completion

In this course, attendees will learn to:

- Understand SES 5 components and architecture
- Install SES 5 Ceph cluster gateways using the DeepSea utility
- Understand and use RADOS, OSDs, Monitors and Ceph data placement
- Access and use block, file and object storage using rbd, iSCSI, Ceph Object Gateway, and CephFS
- Use Erasure Coding
- Monitor the Ceph cluster with the OpenATTIC Management Console

Prerequisites

Attendees should have Linux System Administration skills equivalent to SUSE Certified Administrator in Enterprise Linux 12. Familiarity with other storage solutions and distributed file systems is helpful but not essential.

Course Outline

Module 1: Introduction to SES 5 and Ceph Architecture

- Introduction to SES
- SES and Ceph
- Architecture
- Cluster Architecture

Module 2: OpenATTIC Management Console

- Whats is openATTIC?
- Using OpenATTIC

Module 3: Configure and access Block Storage using rbd

- Understand Block Storage in SES 5 with rbd
- Introduction to BlueStore
- Configure Block storage
- Access storage from a linux host
- Deploying virtual machines using block storage

Module 4: Configure and access Object Storage using the Ceph Object

Gateway (RADOS-GW)

- Understand the Ceph Object gateway
- Installing the Object Store Gateway

Module 5: Configure and use File Storage with CephFS

- Introduction to CephFS
- Metadata Server
- Client Access
- CephFS and NFS-Ganesha

Module 6: Configure access to Block Storage using iSCSI

- Understand iSCSI
- Configure and Manage the OpeniSCSI
- Understand the Irbid Gateway

Module 7: Configure access to Object and File Storage via NFS

- NFS-ganesha and the RADOS gateway
- NFS-ganesha and CephFS
- NFS-ganesha and HA

Module 8: Monitoring a SES Cluster using OpenATTIC

- Configure openATTIC
- Using openATTIC to monitor SES