NOV 8014 SUSE Linux Enterprise Server 11.x: Manage Virtualization with Xen

Course Summary

Description

This SUSE Linux Enterprise Server 11: Manager Virtualization with XEN course covers advanced knowledge and skills required to install and administer a XEN virtualization environment on SUSE Linux Enterprise, such as the management of virtual hardware (virtual CPU's memory, PCI devices, etc.), the creation and management of virtual networks, the management of virtual storage devices such as virtual disks, and the management of Xen and KVM vHosts in a multiple vHost environment.

Objectives
At the end of this course, students will be able to:
- Configure Xen virtualization hosts.
- Install and manage Xen VMs.
- Manage Xen and KVM vHosts in a multiple vHost environment.
- Manage virtual hardware in Xen.
- Manage virtual networks and network interfaces.
- Manage virtual block devices (VBDs) in Xen.
- Convert and resize disk image formats.

Topics

- Introduction to Virtualization
- Introduction to Virtualization with Xen
- Configure a Xen Virtualization Host
- Introduction to Xen Virtual Machines
- Xen VM Management with xm
- Install VMs with vm-install
- VM Management with libvirt
- Delegate VM Administration
- Other VM Management Tasks
- Virtual Hardware in Xen

- Manage I/O Devices in Xen
- Manage CPUs in Xen
- Manage Memory in Xen
- Manage PCI Devices in Xen
- Linux Network Interface Fundamentals
- Manage Virtual Networks in Xen
- Manage Virtual Network Interfaces in Xen
- Virtual Hardware in Xen
- Virtual Block Devices in Xen
- Advanced Block Device Administration

Audience

This course is designed for Certified Linux Professionals (or equivalent experience) who have in-depth experience with Linux and some experience with virtualization (such as VMware, etc.).

Prerequisites

Before taking this course, you should have:
- CLP certification (or equivalent experience)
- In-depth experience with Linux server installation and management
- Experience with virtualization technologies and their management

Duration

Three days