

Course Duration

3 days

Xen Virtualisation

Course Overview

Xen is an open-source virtualisation technology providing the ability to run multiple operating systems on one physical machine. Due to the nature of Xen, there is only a minimal loss of performance of the operating systems when compared to a native install.

Several operating systems are supported including Solaris™, Linux™, FreeBSD™, Windows™ and NetBSD™.

The **Xen Virtualisation** course is based on the open-source version of Xen using Enterprise Linux 5 as the host operating system. The course starts by giving an overview of virtualisation methods and continues with the installation of Xen on Enterprise Linux 5 and installation and management of various hosts operating systems.

Who should attend

Experienced Linux Administrators who require to utilise Xen virtualisation to host a number of operating systems.

Course Topics

- Xen and virtualisation overview
 - What are virtual machines, virtualisation, paravirtualisation?
- Installation of Xen on RHEL5
 - Use of yum and installing Xen from source
- Creation of Xen virtual machines
 - Installing Kubuntu, NetBSD, Solaris & Windows as guests
- Xen management tools
 - Use of xm, XenMan & virt-manager
- Xen networking
 - Configuring bridged and routed networking
- Xen storage options
 - Storing options including UFS, LVM & NFS
- Encrypting guest filesystems
 - Securing the guest operating systems with encryption
- Migration of Xen instances
 - Saving and restoring domains. Live migration