

Course 614:

Red Hat Enterprise Linux 5 Update

(4 days)

Course Description...

This course is an update for anyone needing to know what changes have been made when Red Hat moved from release 4 to release 5 of Red Hat Enterprise Linux. The course covers changes to installation, networking, and the kernel. There is a complete introduction to Red Hat's SELinux and LVM. The new virtualization, xen, system is fully explored.

Learning Objectives...

- Know how anacron works
- Be able to setup a Kickstart
- Manage a kernel module
- Work with IP6 and the network manager
- Be able to setup, access, and monitor a virtualized xen os
- Be able to setup and troubleshoot LVMs

Who should attend...

Anyone needing to know about the major changes between RHEL 4 and RHEL 5

Prerequisites...

A working knowledge of RHEL 4.

See next page for a detailed course outline...



Course Outline...

System Installation

- ❖ New Choices in the Installer
- ❖ Anacron Changes
- ❖ Kickstart Installations
- ❖ Using yum

Kernel Changes

- ❖ The new Driver Update Model
- ❖ udev and hal
- ❖ Device Symbolic Links
- ❖ kexec Fastboot Tool
- ❖ SystemTap

File System Changes

- ❖ LVM Review
- ❖ LVM Mirroring
- ❖ LVM Multipath
- ❖ Disk Encryption
- ❖ gnome-mount
- ❖ Updates to autofs

Networking Changes

- ❖ NetworkManager
- ❖ IPV6
- ❖ IPV6 and Default Service Configuration
- ❖ Using /sbin/ip

Understanding Red Hat SELinux

- ❖ Understanding SELinux
- ❖ Protected Services
- ❖ Modularized Policy
- ❖ Introduction to MLS and MCS
- ❖ MCS Integration with Client Tools
- ❖ The semanage Utility

Introduction to Xen

- ❖ Virtualization Introduction
- ❖ Creating Domain-0
- ❖ Domain Configuration and Creation
- ❖ Booting a Domain
- ❖ Accessing a Domain
- ❖ Monitoring Domains
- ❖ Virtualization Security

Please contact your ROI representative to discuss course tailoring!!!