Linux for UNIX Administrators

A fast paced 5-day course that is a combination of "Enterprise Linux Systems Administration", and "Enterprise Linux Networking Services." Particular focus is given to translating Solaris and HP-UX skills to Linux.

Course Objectives:

- New hardware discoveries
- Learn new file system maintenance
- Use commands within the default shell
- View and modify file and directory permissions
- Manage processes
- Archive files and perform remote file transfers
- Understand Security administration
- Monitor and troubleshoot system
- Learn virtual hosting and mail services

Audience: Experienced UNIX administrators.

Prerequisites: A good understanding of network concepts, the TCP/IP protocol suite, and basic UNIX security is also assumed.

Number of Days: 5 days

1 Linux Hardware Discovery, Interaction and Control

Hardware Discovery Tools
Configuring New Hardware with hwinfo
Hardware and System Clock
Console
Virtual Terminals
Serial Ports
SCSI Devices
USB Configuration
Defining a Printer
Tape Libraries
Managing Linux Device Files
Kernel Hardware Info - /sys/
/sys/ Structure
udev
Kernel Modules
Configuring Kernel Components and Modules
Handling Module Dependencies
Configuring the Kernel via /proc/
System Tool

2 Boot Process and SYSV INIT

Booting Linux on PCs
GRUB Configuration
Boot Parameters
/sbin/init
/etc/inittab
/etc/rc.d/rc.sysinit
SUSE /etc/init.d/boot
Runlevel Implementation
System Configuration Files
RHEL6 Configuration Utilities
SLES11 Configuration Utilities
Typical SysV Init Script
The /etc/rc.local File
The /etc/init.d/*.local Files
Managing Daemons
Controlling Service Startup
Shutdown and Reboot
Run Level and Kernel Information

3 Software Maintenance

RPM Features