



Linux Administration 1

Course Description

This fast-paced class jump-starts you to being a Linux system administrator. We cover major Linux administration topics, and provide in-depth knowledge of the most important areas. You will feel comfortable administering a Linux system of any size. The class will also enable you to find relevant information quickly while administering a system. All major topics of LPI Level 1 exam are covered during the class and in pre and post class activities.

Overview

This two-day class is a fast-paced course and assumes basic understanding of UNIX. There is substantial lecture work with continuous hands-on training.

Outline

1. Intro to Linux certification process
 - Review of Pre-Read material
 - Linux commands
 - System Orientation
2. Admin1
 - Installation
 - Package management: RPM and Deb
 - File Locations,
 - X,
 - General Admin tasks,
 - User and Group management
3. Networking 1
 - Fundamentals,
 - Ethernet,
 - TCP/IP.
 - Client side configuration.
4. Development Environment:
 - Make,
 - Compiling,
 - BinUtils,
 - Scripting,
 - Perl,
 - application management,
 - fixing shared library issues
5. Networking 2:
 - xinetd,
 - /etc/services,
 - Services overview: nfs, http, lpd, mail, sendmail, dns, samba
6. Admin 2:
 - Boot/init,



- shutdown,
- runlevels,
- process priorities,
- automation,
- backup

7. Security:

- Managing user accounts and user level security.
- Managing program access.
- Managing network security

8. Hardware devices, /proc

9. Questions, Post read topics, Closing Homework reading assignment