

This is a comprehensive hands-on course for Red Hat Server Administration.

Audience

- Red Hat Server Administrators
- Anyone needing to know more about Red Hat Server Administration

Prerequisites

- Some experience with Red Hat

Course Length

- Five days

Teaching Methods

- Lecture with examples
- Supplemental written exercises

Learning Objectives

- TCP/IP Review
- Installation
- First Tasks
- Xinetd Services
- DNS and WINS
- DHCP
- LDAP
- NFS
- Samba
- Mail Services
- SSL and SSH
- Using SNMP
- Server Performance

Course Outline

BF6

TCP/IP Review

- Overview of TCP/IP
- TCP/IP Setup for Linux

Installation

- Steps before installation
- Selection of software and hardware
- Installation options

First Tasks

- Disaster preparedness
- Iptables setup
- Setting up logging
- Setting up snrt as an IDS

Xinetd Services

- Inetd and tcpwrappers
- Configuring xinetd.conf
- Access restrictions and logging

DNS and WINS

- Getting and installing software
- Setting up a new domain
- Changes for security
- Integrating WINS

DHCP

- Getting and installing software
- Setting up floating IP addresses
- Setting up fix IP addresses
- Other values made available
- Integration with Win32 products
- Integration with DNS

LDAP

- Overview of LDAP
- Designing and setting up servers
- Security of data
- Client-side actions
- Integration with Win32 products

NFS

- Overview of NFS
- Server-side setup
- Client-side Mounting and Automounter
- Comparison of versions 2, 3 and 4

Samba

- Overview of Samba
- Server-side configuration
- Client-side configuration
- Passwords, permissions and Samba
- Printer sharing

Mail Services

- Overview of mail
- Setting up a MailHost with Sendmail
- Setting up MailHost with Postfix
- Setting up a POP server
- Setting up an IMAP server
- Client auctions

SSL and SSH

- Overview
- Setting up a server
- Setting up keys
- Setting up a keyserver
- Client-side work

Using SNMP

- Architecture from SNMP viewpoint
- Basics of SNMP
- Tren Analysis Using SNMP

Server Performance

- What can be monitored
- Tools for monitoring
- An approach to performance tuning