

1-800-ROI-9877

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Course 610: Apache Administration in a Red Hat Environment (4 days)

Course Description...

This course is aimed at the Red Hat Administrator who has to install, configure, secure, and manage an Apache web server.

Suggested Prerequisites...

A working knowledge of Linux workstation and network administration.

Who should attend...

Linux Administrators who need to be experts in installing, configuring, securing, and managing an Apache web server under a Red Hat distribution of Linux.

Learning Objectives...

- Install an Apache web server
- Do basic administration to bring the server on line
- Setup virtual hosts and log information about transactions with each host
- Do fancy directory indexing
- Limit access to authorized individuals
- Understand and be able to setup handlers and users
- Be able to set up a URL mapping
- Understand and be able to install and de-install an Apache modules
- Know where to find out about the currently available modules
- Control dynamic content to include SSI, CGI, Perl and perl_mod and introduction to php and java with Apache
- Know how to setup and use a database backend
- Understand the different modes of Apache security and be able to setup basic security, .htaccess files, passwords form databases and SSL
- How to setup HTTPS
- Be introduced to the performance issues

See next page for a detailed course outline...



Course Outline

Introduction and Overview

Course Objectives

Unit 1: Installing

- From Apache.org
- Using Red Hat RPMs
- Setup as a Daemon: Starting and Stopping

Unit 2: Basic Configuration

- Apache Internal Organization
- Files Organization
- Options
- Configuration Utilities

Unit 3: Directory Work

- Indexing Options
- .htaccess files

Unit 4: Virtual Hosts

- IP-based
- Named-based
- Port-based

Unit 5: Advanced Configuration

- Handlers and Filters
- Server MIME types
- URL mapping
- Logging: Access_log, error logs, Analysis

Unit 6: Apache Modules

- What are Modules
- mod_status
- mod_usertrack
- mod_rewrite
- Overview of Available Modules

Unit 7: Dynamic Content

- Server Side Includes
- CGI
- Perl and mod_perl
- Tips for Writing Safer Scripts



Unit 8: Database Backends

- Setting up
- Query using SQL
- Insert using SQL

Unit 9: Apache Security

- Access control
- Basic Authentication
- Digest Authentication
- Database Authentication
- Limiting Modules
- SSI and .htaccess
- Passwords
- Using SSL and HTTPS

Unit 10: Performance Issues

- Hardware
- Configuration
- Caching and proxying

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