

Advanced HTTP Server Administration

Overview

In this 2-day, intensive instructor-led training learn all about the Apache HTTP Server from one of the foremost Apache experts in the world.

You will receive an introduction to Apache, the world's leading Web server, including what's new in Apache 2.2, an overview of SpringSource ERS, tips on installing and configuring Apache, and more.

Training Objectives

In this training, you will learn:

- A detailed look into the design of Apache
- An overview on how to install and configure Apache
- Detailed information performance tuning Apache
- How to monitor Apache and its utilization of server resources
- How to troubleshoot performance and reliability issues
- Tuning Apache for various environments
- How to deploy Apache in a heterogeneous enterprise environment
- How to use Apache with a variety of development environments
- How to maximize Apache performance and security
- Common "gotchas" in performance and security configuration
- Administering for growth

Target Audience

Administrators interested in installing, configuring, tuning, monitoring and troubleshooting their Web infrastructure

Prerequisites

- Basic system administration capabilities
- Good understanding of Apache HTTP Server fundamentals

Pricing and Scope

- Two (2) days of instructor-led, classroom training
- 50% lecture and 50% hands-on lab
- Individual enrollment available at convenient locations worldwide:
<http://www.springsource.com/training/curriculum>
- Contact your VMware representative for pricing information
- Onsite training available for companies that want the benefits of instructor-led classes without travel
- Contact VMware Education to discuss facility requirements for onsite training at education@vmware.com

Training Outline

Day 1: Advanced Installation and Configuration Topics

- Advanced configure choices
- Recovering hints of legacy configurations
- Install and configure httpd
- Rearrange httpd config tree for vhost/app wildcard directories
- Advanced Content Topics
- Understanding MIME content headers
- Internationalization features
- SetEnvIf and mod_rewrite for request manipulation
- Understanding CGI principals and HTTP headers
- Installing a simple CGI (printenv) to study headers
- Explore the multi-language-error-docs config for error handling
- Create a balancer against multiple classroom PC's
- Configure balancer-manager to validate behavior

Day 2: Understanding Authn/Authz Alternatives

- DBM, DBD and LDAP providers
- Create an SDBM auth user stor
- Configure a MySQL user store against instructor's SQL server
- SSL Theory, Keystore & CA Administration
- Using SSL in Authn/Authz
- Generate a simple CA for the class
- Configure machine to recognize the specific client-as-a-user
- Advanced Content Generation and Filtering
- FastCGI, mod_perl, mod_ext_filter
- Explore FastCGI via mod_fcgid & a simple CGI app
- Explore mod_ext_filter by setting up a 'mgmt app' to perform a tail log
- Tuning and Optimization

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For More Information

More information about VMware software and services is available from <http://www.vmware.com> and from your local VMware representative.

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