Apache Web Server

Category: Software Development & Programming | **Vendor:** Various

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Apache Web Server course introduces the delegate to the main concepts of the APACHE Web server. The most commonly used configuration commands are described in detail. It is designed to give delegates practical experience in installing and configuring APACHE. The course also covers the installation and differences between APACHE on UNIX and Win32 systems.

About This Course

The Apache Web Server course introduces the delegate to the main concepts of the APACHE Web server. The most commonly used configuration commands are described in detail. It is designed to give delegates practical experience in installing and configuring APACHE. The course also covers the installation and differences between APACHE on UNIX and Win32 systems.

Who Should Attend

Programmers, administrators and support personnel who need to understand the APACHE Web Server, APACHE server configuration, and the integration with CGI scripts.
Some programming experience may also prove advantageous.

Prerequisites & Entry Requirements

General Prerequisites:

- A good operating system knowledge similar to that covered on our UNIX/Linux Introduction courses or equivalent Windows courses is required.
- A working knowledge of a scripting language such as Perl, PHP or Ruby would be beneficial. Attendance on a UNIX/LINUX/SOLARIS/HP-UX/AIX System Administration course or similar Windows operating system knowledge is desirable, such as Linux System Administration (LPI & CompTIA) (LSA) or UNIX Introduction (UI)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

The delegates will practice:

- Installing APACHE
- Configuring APACHE Server Directives
- Setting ROOT Directives
- Starting and Stopping the APACHE Web Server
- Httpd.conf File Configuration
- Setting up and Securing CGI within APACHE Web Server
- Working with PHP
- Basic Authentication
- Creating and Configuring a Proxy Server
- Load Balancing Apache Web Servers
- Install and Configure APACHE for Win32

Detailed Course Outline

Course Contents - DAY 1

Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

Session 1: INTRODUCTION TO THE APACHE WEB SERVER

- APACHE Architecture

- Client Side

- Server Side

Session 2: INSTALLING APACHE

- APACHE Binaries

- Directories and Permissions

- Modules

Session 3: STARTING APACHE

- Option to httpd

- Starting Manually

- Automatic System Start

Session 4: CONFIGURING APACHE

- httpd.conf File

- Security

- Document Root

- Basic Server Directives

Session 5: SECURITY CONFIGURATION

- Passwords
- Authentication
- Allow - Deny (Effect of Order)

Course Contents - DAY 2

Session 6: OTHER ACCESS CONSIDERATIONS

- Aliases
- Access to Manuals

Session 7: MULTIPLE SITES

- Virtual Hosting
- Name Based Virtual Hosting
- IP-Based Virtual Hosting
- Port-Based Virtual Hosting

Session 8: PHP

- Understanding PHP
- Creating a simple form
- Dynamic web content with PHP

Session 9: TOMCAT

- Using Apache to Proxy to Tomcat

- Understanding the differences between Tomcat and Apache httpd

Course Contents - DAY 3

Session 10: SUEXEC

- Securing CGI scripts with SUEXEC

- Hardening the Apache web server

- Creating the SUEXEC user and Group

Session 11: URL REWRITING

- Managing the lifecycle of content of the web server

- Rewrite moved or named URLS

- Provide access to pages based on the time of day

Session 12: INDEXING

- What is indexing?

- FancyIndexing

- AddDescription

- AddIcon

Session 13: SSL

- Understanding Encryption mechanisms

- Configuring SSL and HTTPS access to Apache

- Testing secure web access using authentication over SSL

Session 14: PROXY SERVER

- What is a Proxy Server?

- Configuration for a Proxy Server

- Caching

Session 15: LOGGING

- Standard Logging

- Customised Logging

- Tracking Site Usage

Session 16: LOAD BALANCING

- Effective Web Farm management

- Load Balancing with Apache

- Configuring Load Balancing with the Load Balancer manager

Session 17: APACHE FOR WINDOWS

- APACHE for Win32

- Win32 Distributions

- Installing APACHE for Win32

- Starting/Stopping APACHE

- Configuring APACHE for WIN32

- Running APACHE from a Console Window

- Httpd.conf for Win32

Skills You Will Learn:

The delegates will practice:

- Installing APACHE
- Configuring APACHE Server Directives
- Setting ROOT Directives
- Starting and Stopping the APACHE Web Server
- Httpd.conf File Configuration
- Setting up and Securing CGI within APACHE Web Server
- Working with PHP
- Basic Authentication
- Creating and Configuring a Proxy Server
- Load Balancing Apache Web Servers
- Install and Configure APACHE for Win32

Frequently Asked Questions

Q: What delivery options are available for Apache Web Server?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Apache Web Server course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Apache Web Server training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Apache Web Server?

Yes, we provide corporate training, dedicated training, and closed classes for Apache Web Server. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Apache Web Server, Programming, APH

Q: Why choose Nexus Human for Apache Web Server?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Apache Web Server training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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