

Apache Training: Apache & Tomcat Professional Administration (APATOM, 4 jours)

Description

The course Apache & Tomcat Professional Administration (Apache Training) teaches you how to install, start & stop, configure and tune an Apache web server with Tomcat. The training includes Apache & Tomcat architecture & configuration, security, performance tuning & troubleshooting on WIndows or Linux. The course provides hands-on experience with Apache modules, Tomcat configuration, virtual hosts, mime-type management, CGI & FastCGI and URL mapping. Apache task automation using script & advanced web server security are also included.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introduction to Apache

History of the Apache Web Server
Overview of Apache Software Foundation
Downloading Apache
Installing Apache on Windows
Installing Apache on Unix/Linux
Compilation options
About Dynamic and Static Compilation
Testing and Validating the Installation
Installing Modules

Starting and Stopping Apache

Starting/Stopping Apache on Windows
Apache Monitor
Apache Executable
Windows Service
Starting/Stopping Apache on Unix/Linux
Apache Executable
apachectl script
Install Apache as a Service

The Apache Configuration Files

The contents of the /conf directory
The httpd.conf file
Directives
Sections
The Include Directive
The Options Directive
The Installed Directories

The htaccess File

Overview of .htacces files
Configuring .htaccess
The AllowOverride directive
Setting directory authentication

Allowing CGI scripts

Performance Issues

Virtual Hosts

Overview of Virtual Hosting

IP-Based Virtual Hosts

Name-based Virtual Hosts

Port-based Virtual Hosts

Bulk Virtual Hosting

MIME and File Types

Overview of MIME Types

Configuring MIME Types

Encoding Files

Character Sets

Languages

URL Mapping

Configuring Aliases

Configuring Redirects

The DocumentRoot Directive

Error Documents

Overview of mod_rewrite

Directory Indexing

The DirectoryIndex Directive

Fancy Indexing

Headers and Footers

Ignoring Files

Searching and Sorting

Performance Tuning

The ApacheBench Utility Program

Tweaking the Apache Configuration

Configuring Apache MPMs (prefork, worker, winnt)

Handlers and Filters

Overview of Handlers

The Section

Configuring Handlers

The server-status Handler

Overview of Filters

Configuring Filters

SSI

Overview of SSI

Configuring SSI

Using SSI Directives

Managing Scripts

Overview of scripting options

The mod_perl Module

Configuring mod_perl

Installing PHP on Windows

Configuring PHP

Security

Common Security Issues with Apache

Dynamic Content Issues

Authentication and Authorization

Access Control

Unix File Permissions

Configuring Apache for SSL

Introducing Apache Tomcat

History of the Tomcat Web Server

Differences between The Apache HTTP server and Tomcat

Installing Tomcat

Verifying Java Installation

Downloading Tomcat

Choosing the right version

Installing Tomcat on Windows

Installing Tomcat on Unix/Linux

Compilation options

About Dynamic and Static Compilation

Testing and Validating the Installation

Technical Overview of Tomcat

Understanding Java technology (Java EE)

Overview of Java Web Application (Servlet, JSP, JSF, Struts and WAR)

Understanding the Catalina Servlet Engine

The Jasper JSP Engine

The Coyote HTTP Connector

Directory Structure

Configuring Tomcat

Understanding Tomcat Configuration

Configuring Logging

Configuring server.xml

Configuring web.xml

Understanding context.xml

Deploying Applications to Tomcat

Determining Application Requirement

Publishing a Simple (.war) Application

Publishing a Complex (.ear) Application

Publishing Shared Libraries (.jar)

Testing Applications

Tomcat Security

Understanding Roles and Users

Understanding Java EE Security

Integrating Web Application Security with Tomcat

Isolating Applications

Integrating Tomcat and Apache

Using Apache as a Front Controller for Tomcat

Installing and Configuring mod_jserv

Configuring Multiple JVM and Virtual Hosts