

## Intoduction to Apache HTTP Server

### Chapter 1: Introduction to Apache

- The Apache Software Foundation
- Apache HTTP Server is an open-source project managed by the Apache Software Foundation (ASF).
- The ASF supports many “projects”, including:
- HTTP Web server (Apache)
- Jakarta
- Perl, PHP, XML, TCL, Ant, Logging
- and many others...
- Downloading Apache
- Download the Apache Binary for Windows
- Make sure Port 80 is available
- Run the Install Program
  - Enter the Server Information
- Change the install folder to be c:\Apache
- Click “Install” to complete the installation
- Test the Installation

### Chapter 2: Starting and Stopping Apache

- Start/Stop the Server on Windows
- The Apache Monitor
- Install Apache as a Service
- The apachectl Script

### Chapter 3: 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

### Chapter 4: The .htaccess File

- Overview of .htaccess files
- Configuring .htaccess
- The AllowOverride directive
- Setting directory authentication
- Allowing CGI scripts
- Performance Issues

## Chapter 5: Virtual Hosts

- Overview of Virtual Hosting
- IP-Based Virtual Hosts
- Name-based Virtual Hosts
- Port-based Virtual Hosts
- Bulk Virtual Hosting

## Chapter 6: MIME and File Types

- Overview of MIME Types
- Configuring MIME Types
- Encoding Files
- Character Sets
- Languages

## Chapter 7: URL Mapping

- Configuring Aliases
- Configuring Redirects
- The DocumentRoot Directive
- Error Documents

## Chapter 8: Directory Indexing

- The DirectoryIndex Directive
- Fancy Indexing
- Headers and Footers
- Ignoring Files
- Searching and Sorting

## Chapter 9: Performance Tuning

- The ApacheBench Utility Program
- Tweaking the Apache Configuration

## Chapter 10: Handlers and Filters

- Overview of Handlers
- The <Location> Section
- Configuring Handlers
- The server-status Handler
- Overview of Filters
- Configuring Filters

## Chapter 11: SSI

- Overview of SSI
- Configuring SSI
- Using SSI Directives

## Chapter 12: Managing Scripts

- Overview of scripting options
- The mod\_perl Module
- Configuring mod\_perl
- Installing PHP on Windows
- Configuring PHP

## Chapter 13: Security

- Common Security Issues with Apache
- Dynamic Content Issues
- Authentication
- Authorization
- Access Control
- Unix File Permissions

## Chapter 14: Modules

- Overview of Apache Modules
- Installing Modules