## Creating a Web Server – Installing Apache 2: Patrick Cloke – Team 358 Created: Feb. 4, 2006 Last Edit: March 6, 2007 v. 1.2



- 1. Download the latest version of Apache2 Win32 Binary (MSI Installer) http://httpd.apache.org/download.cgi
  - 1. Apache 2.2.4 at the time of this writing
- 2. Run the Installer
  - 1. Welcome Page



2. Read/Accept the Apache License

🖶 Apache HTTP Server 2.0 - Installati	ion Wizard		x		
License Agreement			and the second second		
Please read the following license agreer	ment carefully.				
<b>•</b> •••	-11				
Apache License Version 2.0, January 2004					
hπp://www.apacne.org/licenses/					
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION					
1. Definitions.					
"License" shall mean the terms and conditions for use, reproduction, and					
distribution as defined by Sections 1 through 9 of this document.					
• I accept the terms in the license agreen	nent				
I do not accept the terms in the license	agreement				
TostallShield					
	< Back	Next >	Cancel		
	< Back	Next >	Cancel		

3. Read the "Read This First" Page

🙀 Apache HTTP Server 2.0 - Installation Wizard	X				
Read This First Read this Before Running Apache on Windows.	<b>\$</b>				
Apache HTTP Server	-				
What is it? The Apache HTTP Server is a powerful and flexible HTTP/1.1 compliant web server. Originally designed as a replacement for the NCSA HTTP Server, it has grown to be the most popular web server on the Internet. As a project of the Apache Software Foundation, the developers aim to collaboratively develop and maintain a robust, commercial-grade, standards-based server with freely available source code.					
The Latest Version Details of the latest version can be found on the Apache HTTP server project page under: http://httpd.apache.org/	-				
InstallShield Cancel	_				

- 4. Server Information:
  - 1. Network Domain:
    - 1. 127.0.0.1
  - 2. Server:
    - 1. localhost
  - 3. Email:
  - any\_email@any\_server.com
     Installation Type:
  - - 1. Choose "only for the Current User, on Port 8080, when started Manually."

🙀 Apache HTTP Server 2.0 - Installation Wizard	x
Server Information Please enter your server's information.	
Network Domain (e.g. somenet.com)	
127.0.0.1	
Server Name (e.g. www.somenet.com):	
localhost	
Administrator's Email Address (e.g. webmaster@somenet.com):	
admin@127.0.0.1	
Install Apache HTTP Server 2.0 programs and shortcuts for:	ualiv.
,,	
InstallShield	
< Back N	ext > Cancel

- 5. Setup Type
  - 1. Typical



- 6. Install to a Location
  - 1. Throughout this tutorial this location will be known as *apache\_root* Default location: "C:\Program Files\Apache Software Foundation\"
  - 2. There should be no problem changing this, however, it is recommended not to.

🙀 Apache	HTTP Server 2.2 - Installat	ion Wizard		×
Destina Click C	tion Folder hange to install to a different fol	der		
	Install Apache HTTP Server 2 C:\Program Files\Apache Sof	.2 to the folder: tware Foundation1	Apache2.2\	Change
InstallShield	l	< Back	Next >	Cancel

7. Install Apache2



8. Finish Installation



- 3. Configure Apache2
  - 1. Goto "*apache\_root*\conf\"
    - 1. Default: "C:\Program Files\Apache Software Foundation\Apache2.2\conf\"
    - 2. Open "httpd.conf"
      - 1. Change DirectoryIndex changes what Apache2 serves as default file
        - 1. Find:
          - DirectoryIndex index.html index.html.var
        - 2. Change to: DirectoryIndex index.htm index.html index.html.var index.php
          - index.php3 index.phtml index.cgi index.pl index.asp
      - 2. Change Default Document Root (Optional)
        - 1. The Document Root is where all web documents will go
          - 1. From this point on this location will be known as *document\_root*
          - 2. The default is "C:/Program Files/Apache Software Foundation/Apache2.2/htdocs/"
        - 2. Find:
          - DocumentRoot "apache\_root/htdocs"
        - 3. Change to: DocumentRoot "document root"

- 4. Find:
  - <Directory "apache\_root/htdocs">
- 5. Change to:
  - <Directory "document\_root">
- 4. Test Server
  - 1. Run Apche2:
    - 1. Start > Program Files > Apache HTTP Server 2.2.4 > Control Apache Server > Start Apache in Console
    - 2. There is a batch file available with this document to automate starting the server
  - 2. Open a web browser
    - 1. Browse to:
      - http://localhost:8080/
  - 3. If you see a page saying "It work!" Congratulations.