Creating a Web Server – Installing Apache 2:
Patrick Cloke – Team 358
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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
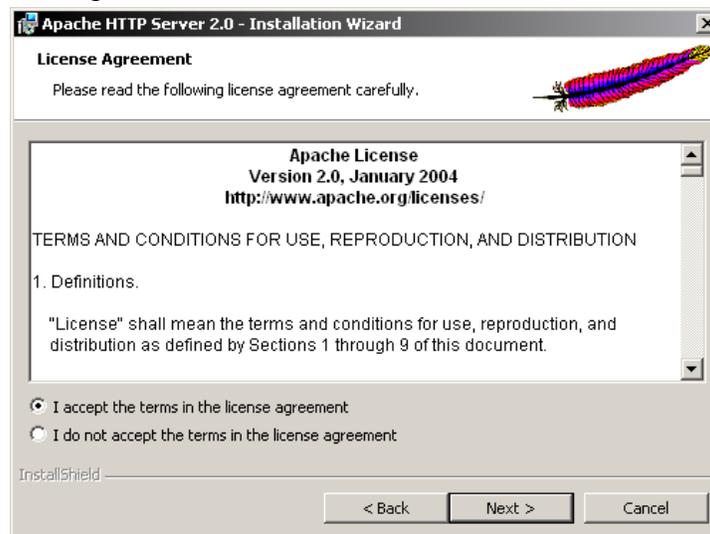
3. Read the "Read This First" Page

4. Server Information:
    1. Network Domain:
        1. 127.0.0.1
    2. Server:
        1. localhost
    3. Email:
        1. *any_email@any_server.com*
    4. Installation Type:
        1. Choose "only for the Current User, on Port 8080, when started Manually."
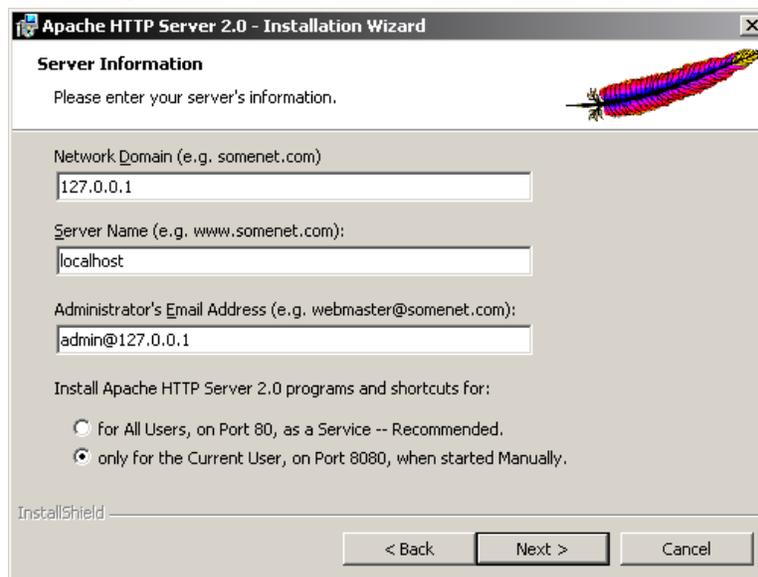
5. Setup Type
    1. Typical

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.
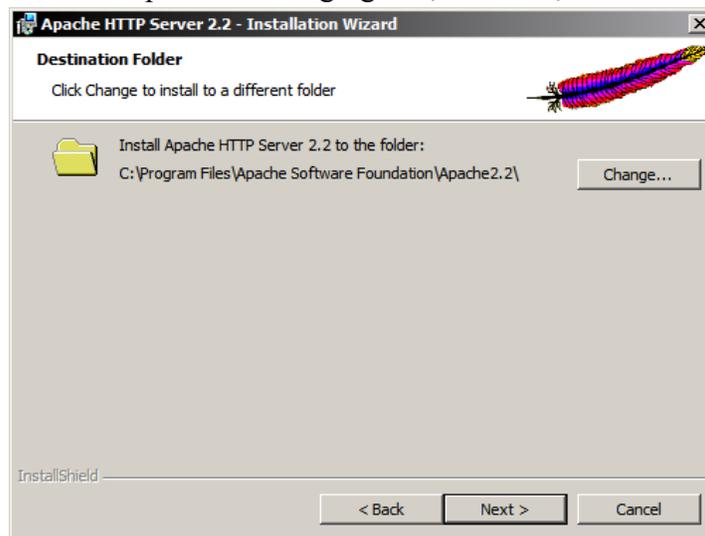
7. Install Apache2

8. Finish Installation
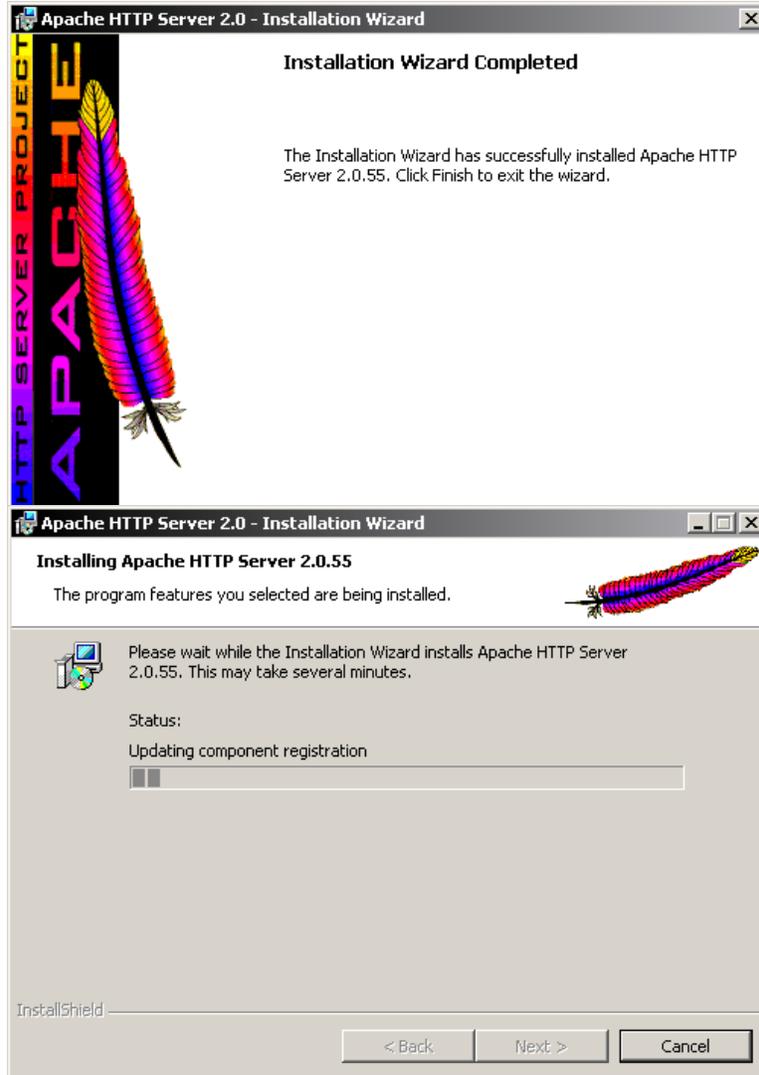
3. Configure Apache2
    1. Goto "*apache_root*\conf\"
        1. Default: "C:\Program Files\Apache Software Foundation\Apache2.2\conf\"
        2. Open "httpd.conf"
            1. Change DirectoryIndex – changes what Apache2 serves as default file
                1. Find:
                   ```
                   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.