

CIS 4004: Web Based Information Technology Summer 2014

Installing and Configuring Apache HTTP Server

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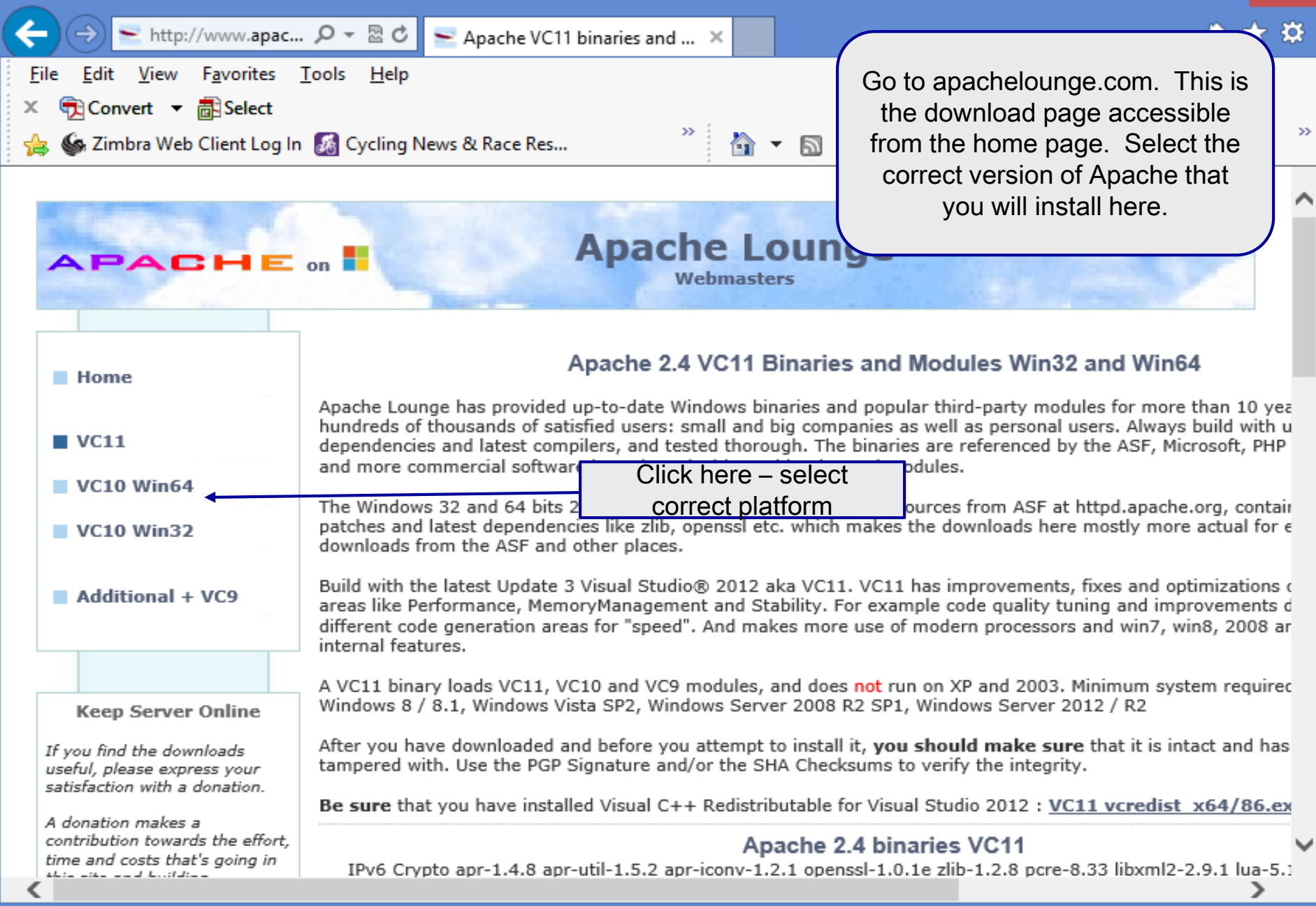
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Computer Science Division
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Installing Apache HTTP Server

- The version of the Apache HTTP server that we will use is 2.4.6V10 (a V11 version is also now available and should also work fine, but I personally have not used this version yet) and it is available for download from www.apachelounge.com.
- There are several steps to go through in getting this server installed and configured. The remainder of these notes step you through this process.
- Note that I am doing the install on a 64-bit Windows machine running Windows 8. If you are installing on a different platform be sure to get the correct versions of all of the necessary files and check for compatibility.





Go to apachelounge.com. This is the download page accessible from the home page. Select the correct version of Apache that you will install here.

Click here - select correct platform

Home

VC11

VC10 Win64

VC10 Win32

Additional + VC9

Apache 2.4 VC11 Binaries and Modules Win32 and Win64

Apache Lounge has provided up-to-date Windows binaries and popular third-party modules for more than 10 years. Hundreds of thousands of satisfied users: small and big companies as well as personal users. Always build with up-to-date dependencies and latest compilers, and tested thorough. The binaries are referenced by the ASF, Microsoft, PHP and more commercial software developers.

The Windows 32 and 64 bits binaries are built from sources from ASF at <http://httpd.apache.org>, contain patches and latest dependencies like zlib, openssl etc. which makes the downloads here mostly more actual for you than downloads from the ASF and other places.

Build with the latest Update 3 Visual Studio® 2012 aka VC11. VC11 has improvements, fixes and optimizations in areas like Performance, Memory Management and Stability. For example code quality tuning and improvements in different code generation areas for "speed". And makes more use of modern processors and win7, win8, 2008 architecture internal features.

A VC11 binary loads VC11, VC10 and VC9 modules, and does **not** run on XP and 2003. Minimum system requirements: Windows 8 / 8.1, Windows Vista SP2, Windows Server 2008 R2 SP1, Windows Server 2012 / R2

After you have downloaded and before you attempt to install it, **you should make sure** that it is intact and has not been tampered with. Use the PGP Signature and/or the SHA Checksums to verify the integrity.

Be sure that you have installed Visual C++ Redistributable for Visual Studio 2012 : [VC11 vcredist_x64/86.exe](#)

Apache 2.4 binaries VC11

IPv6 Crypto apr-1.4.8 apr-util-1.5.2 apr-iconv-1.2.1 openssl-1.0.1e zlib-1.2.8 pcre-8.33 libxml2-2.9.1 lua-5.1

Keep Server Online

If you find the downloads useful, please express your satisfaction with a donation.

A donation makes a contribution towards the effort, time and costs that's going in to this site and building...



Additional + VC9

Keep Server Online
If you find the downloads useful, please express your satisfaction with a donation.
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Thank You! Steffen
Donate
Contact:
Mail address is at the top of the paypal form.
Apache Lounge is not sponsored by anyone.
Your donations will help to keep this site alive and well, and continuing the building of the binaries.

Build with the latest Windows® Platform SDK 7.1 and Visual Studio C++ 2010 SP1 aka VC10. VC10 has improve optimizations over VC9 in areas like Performance, MemoryManagement and Stability. For example code quality to improvements done across different code generation areas for "speed". And makes more use of modern process 2008 internal features. Note: a VC10 binary loads VC9, VC10 and VC11 modules.

After you have downloaded and before you attempt to install it, you should make sure that it is intact and has tampered with. Use the PGP Signature and/or the SHA Checksums to verify the integrity.

Be sure that you have installed the Visual C++ 2010 VC10 SP1 vcredist_x64

Download this file

Apache 2.4 win64 binary

Apache 2.4.6
IPv6 Crypto apr-1.4.8 apr-util-1.5.2 apr-iconv-1.2.1 openssl-1.0.1e zlib-1.2.8 pcre-8.33 libxml2-2.9.1 lua-5.1.5

httpd-2.4.6-win64.zip info & changelog 16 Jul '13 12.206K

PGP Signature (Public PGP key), SHA1-SHA512 Checksums

Latest version OS: Windows 7/XP/Vista License: Free Download Now This advertise you to our we can downloa

Apache 2.4 win64 modules

Modules below are build with VC10 and loads when Apache 2.4 Win64 is build with x64 VC9, VC10 or VC11. It wi Apache 2.0 and 2.2 releases. Check in the ReadMe in the .zip if you have installed the correct VC Redistributable signatures and SHA checksums to verify the contents of the files.



File Edit Format View Help

15 July 2013

Apache Lounge Distribution

Apache 2.4.6 win64 VC11 update3

IPv6 and Crypto enabled, apr-1.4.8 apr-util-1.5.2 apr-iconv-1.2.1 openssl-1.0.1e zlib-1.2.8 pcre-8.33
libxml2-2.9.1 lua-5.1.5 expat-2.1.0

Original Home: httpd.apache.org
Win64 binary by: Steffen
Mail: info@apachelounge.com
Home: www.apachelounge.com

Build with Visual Studio® 2012 Update 3 (VC11) x64

- Be sure you have installed the Visual C++ Redistributable for Visual Studio 2012 Update 3.
Download and install, if you not have it already, from:

<http://www.microsoft.com/en-us/download/details.aspx?id=30679>

Loads 2.4 Win64 modules VC9 or VC10.

Minimum system required

Windows 7 SP1
Windows 8 / 8.1
Windows Server 2008 R2 SP1
Windows Server 2012 / R2
Windows Vista SP2

Note that this is the README file from the Apache2.4.6VC11 version. The same holds true for the Apache2.4.6V10 version in that you need to install this Visual Studio update before going any further.

Use this link to download and install the latest Visual C++ Update



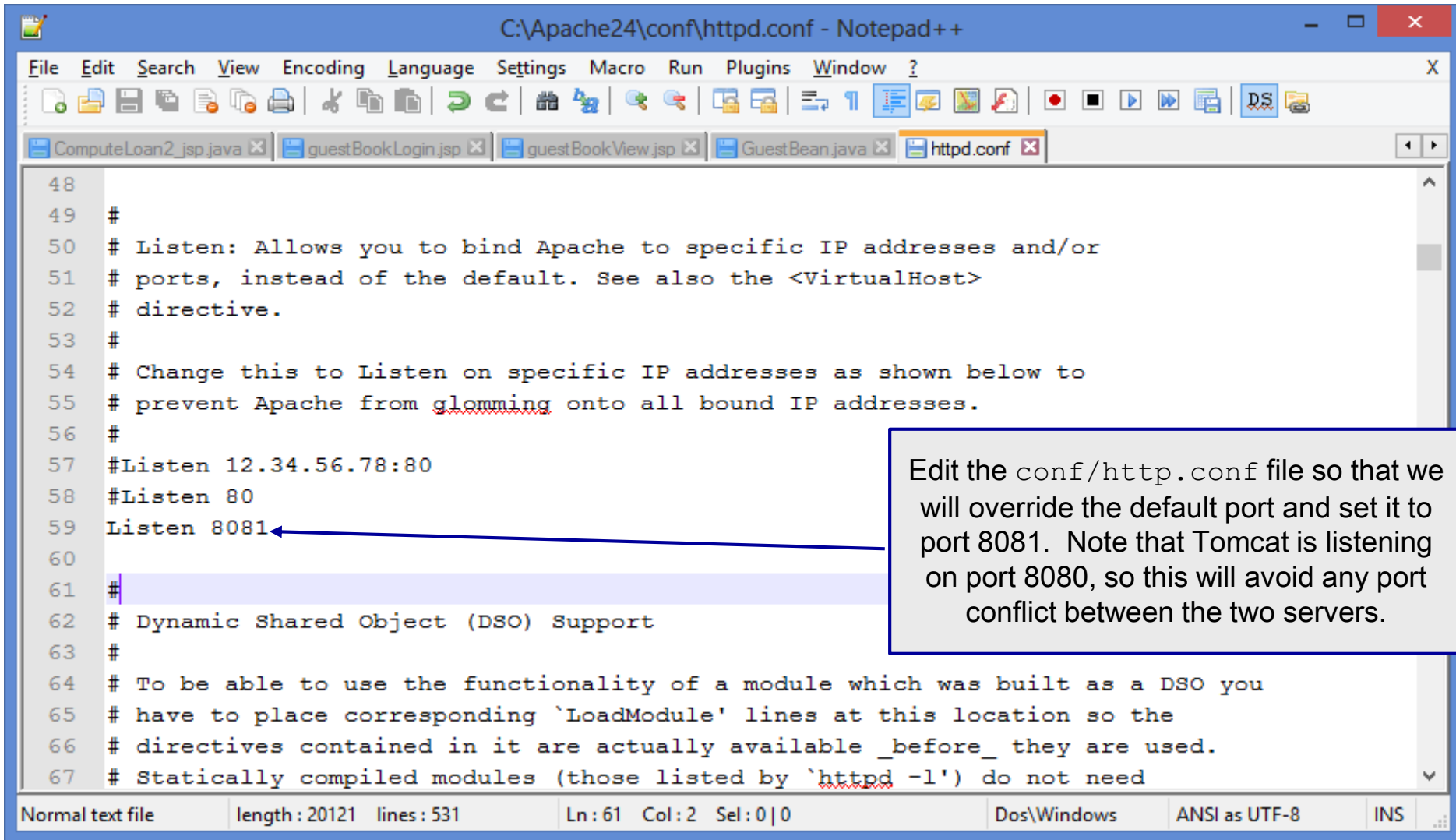
Screen shot showing the Apache directory. Note that the Apache install directory should be C:/Apache24.

Next (see next page) you need to edit the `conf/http.conf` file which is located in the `conf` directory.

Name	Date modified	Type	Size
bin	11/5/2013 4:34 PM	File folder	
cgi-bin	11/5/2013 4:34 PM	File folder	
conf	11/5/2013 4:34 PM	File folder	
error	11/5/2013 4:34 PM	File folder	
htdocs	11/5/2013 5:46 PM	File folder	
icons	11/5/2013 4:34 PM	File folder	
include	11/5/2013 4:34 PM	File folder	
lib	11/5/2013 4:34 PM	File folder	
logs	11/5/2013 5:39 PM	File folder	
manual	11/5/2013 4:34 PM	File folder	
modules	11/5/2013 4:34 PM	File folder	
ABOUT_APACHE	11/5/2013 4:34 PM	Text Document	14 KB
CHANGES	11/5/2013 4:34 PM	Text Document	139 KB
INSTALL	11/5/2013 4:34 PM	Text Document	6 KB
LICENSE	11/5/2013 4:34 PM	Text Document	38 KB
NOTICE	11/5/2013 4:34 PM	Text Document	2 KB
OPENSLL-NEWS	11/5/2013 4:34 PM	Text Document	29 KB
OPENSLL-README	11/5/2013 4:34 PM	Text Document	11 KB
README	11/5/2013 4:34 PM	Text Document	6 KB



Installing And Configuring Apache (cont.)

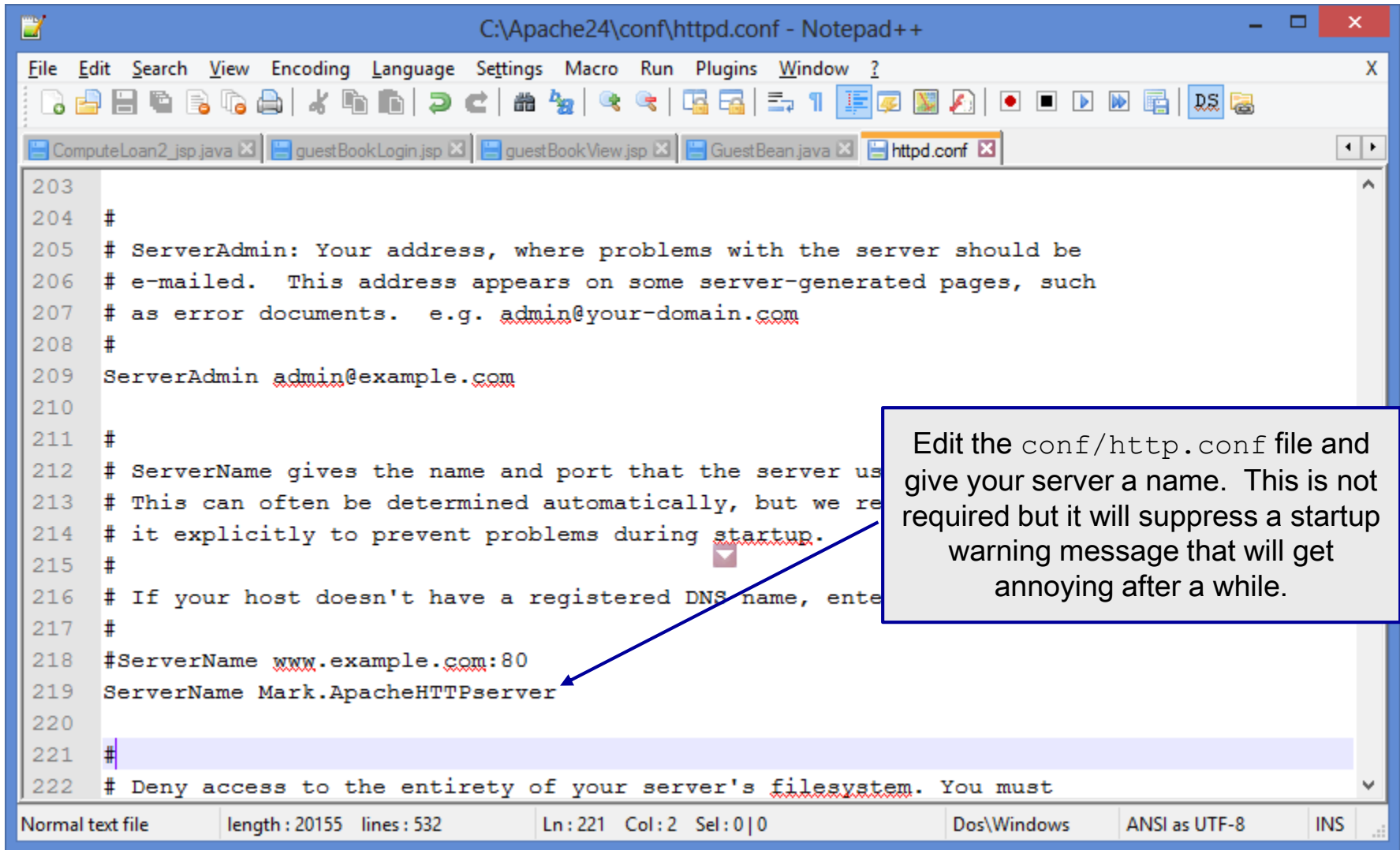
A screenshot of a Notepad++ window titled 'C:\Apache24\conf\httpd.conf - Notepad++'. The window shows the configuration file 'httpd.conf' with several lines of text. Line 59, 'Listen 8081', is highlighted in blue, and a blue arrow points from a text box on the right to this line. The status bar at the bottom indicates 'Normal text file', 'length: 20121 lines: 531', 'Ln: 61 Col: 2 Sel: 0|0', 'Dos\Windows', 'ANSI as UTF-8', and 'INS'.

```
48
49 #
50 # Listen: Allows you to bind Apache to specific IP addresses and/or
51 # ports, instead of the default. See also the <VirtualHost>
52 # directive.
53 #
54 # Change this to Listen on specific IP addresses as shown below to
55 # prevent Apache from glomming onto all bound IP addresses.
56 #
57 #Listen 12.34.56.78:80
58 #Listen 80
59 Listen 8081
60
61 #
62 # Dynamic Shared Object (DSO) Support
63 #
64 # To be able to use the functionality of a module which was built as a DSO you
65 # have to place corresponding 'LoadModule' lines at this location so the
66 # directives contained in it are actually available before they are used.
67 # Statically compiled modules (those listed by 'httpd -l') do not need
```

Edit the conf/http.conf file so that we will override the default port and set it to port 8081. Note that Tomcat is listening on port 8080, so this will avoid any port conflict between the two servers.



Installing And Configuring Apache (cont.)

A screenshot of a Notepad++ window titled "C:\Apache24\conf\httpd.conf - Notepad++". The window shows the configuration file httpd.conf with several lines of text. A blue callout box with a white background and a blue border points to line 219. The callout box contains the text: "Edit the conf/http.conf file and give your server a name. This is not required but it will suppress a startup warning message that will get annoying after a while." The status bar at the bottom of the window shows "Normal text file", "length: 20155 lines: 532", "Ln: 221 Col: 2 Sel: 0|0", "Dos\Windows", "ANSI as UTF-8", and "INS".

```
203
204 #
205 # ServerAdmin: Your address, where problems with the server should be
206 # e-mailed.  This address appears on some server-generated pages, such
207 # as error documents.  e.g. admin@your-domain.com
208 #
209 ServerAdmin admin@example.com
210
211 #
212 # ServerName gives the name and port that the server uses to identify
213 # This can often be determined automatically, but we recommend you
214 # set it explicitly to prevent problems during startup.
215 #
216 # If your host doesn't have a registered DNS name, enter its IP address
217 # here.  Set it to "localhost" if your host is a local machine without
218 # DNS, or your IP address if you don't have a registered name.
219 ServerName www.example.com:80
220
221 #
222 # Deny access to the entirety of your server's filesystem. You must
```




```
Command Prompt - httpd.exe
Microsoft Windows [Version 6.2.9200]
(c) 2012 Microsoft Corporation. All rights reserved.

C:\Users\Mark Llewellyn>cd..

C:\Users>cd..

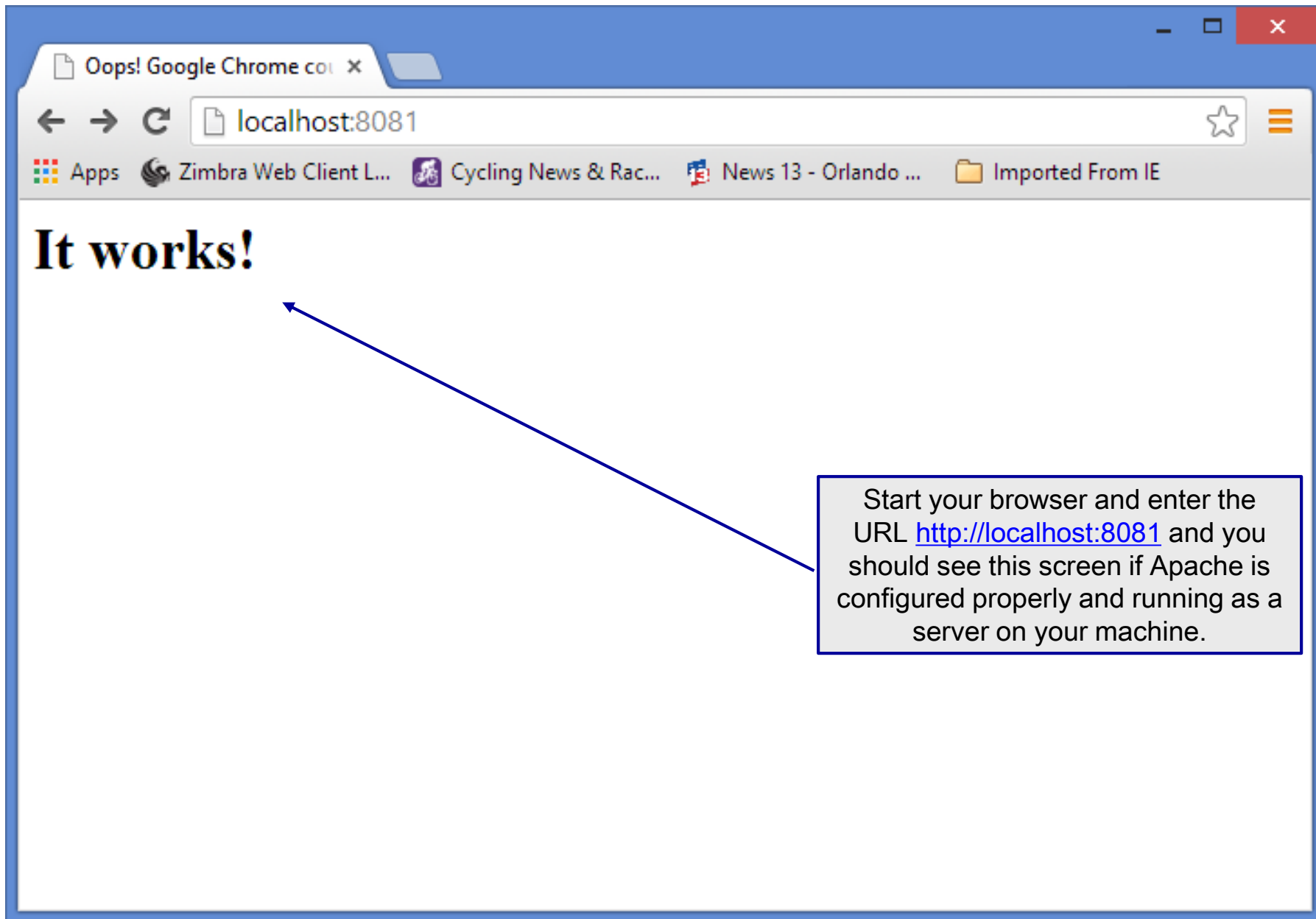
C:\>cd apache24

C:\Apache24>cd bin

C:\Apache24\bin>httpd.exe
```

From a command prompt – switch to the Apache24/bin directory and enter the command httpd.exe to start the Apache server running.





Start your browser and enter the URL <http://localhost:8081> and you should see this screen if Apache is configured properly and running as a server on your machine.

