CIS 4004: Web Based Information Technology
Fall 2013

Installing and Configuring Apache HTTP Server

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http://www.cs.ucf.edu/courses/cnt4714/fall2013

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Computer Science Division
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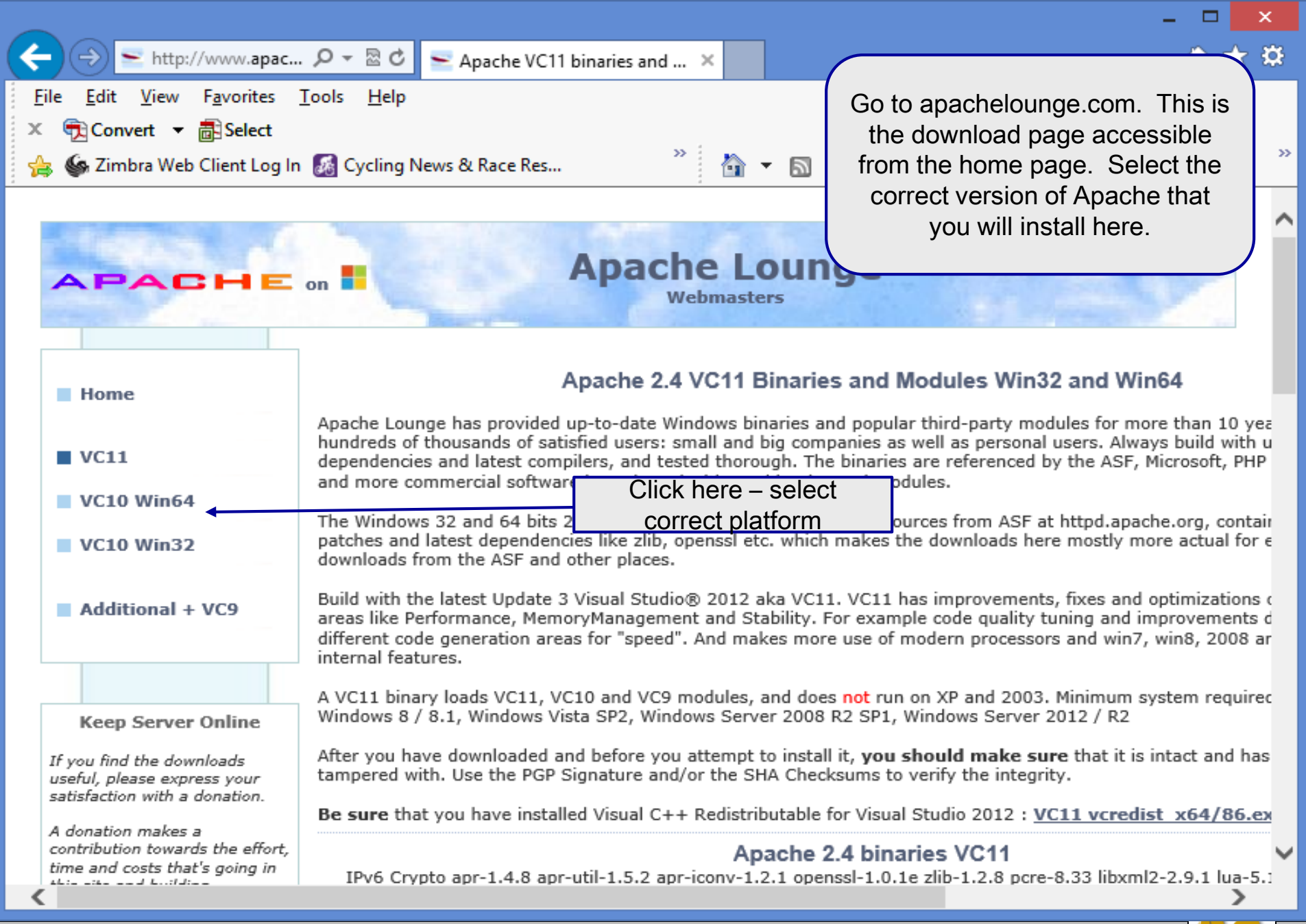
Installing Apache HTTP Server

- 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.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Apache VC11 binaries and ...
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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.
APACHE on
Apache Lounge
Webmasters
Home
VC11
VC10 Win64
VC10 Win32
Additional + VC9
Click here – select correct platform
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 yea
hundreds of thousands of satisfied users: small and big companies as well as personal users. Always build with u
dependencies and latest compilers, and tested thorough. The binaries are referenced by the ASF, Microsoft, PHP
and more commercial softwar
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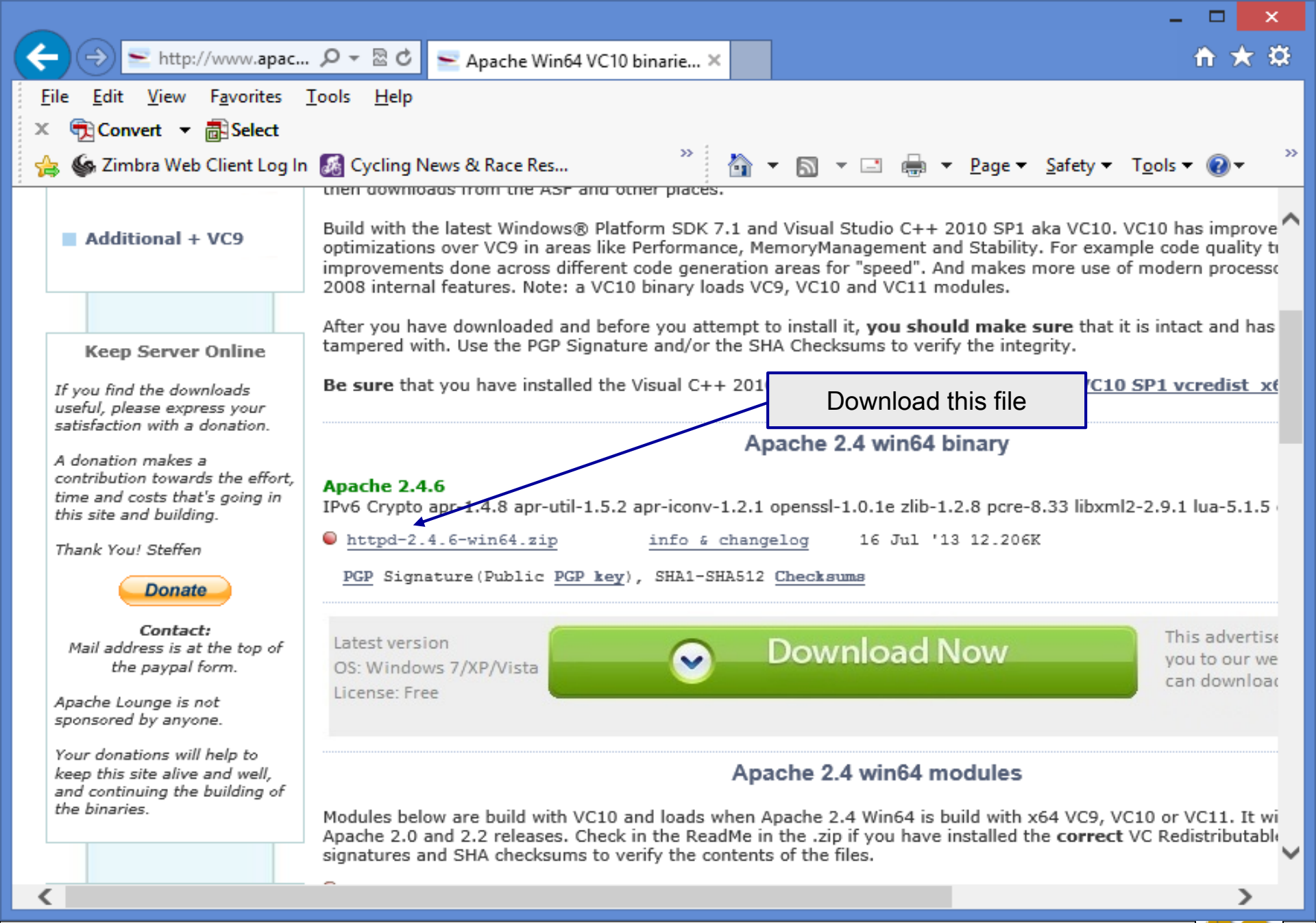
The Windows 32 and 64 bits 2
ources from ASF at httpd.apache.org, contain
patches and latest dependencies like zlib, openssl etc. which makes the downloads here mostly more actual for e
downloads from the ASF and other places.
Build with the latest Update 3 Visual Studio® 2012 aka VC11. VC11 has improvements, fixes and optimizations
areas like Performance, MemoryManagement and Stability. For example code quality tuning and improvements
different code generation areas for "speed". And makes more use of modern processors and win7, win8, 2008 ar
internal features.
A VC11 binary loads VC11, VC10 and VC9 modules, and does not run on XP and 2003. Minimum system requirec
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
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.ex
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
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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File Edit View Favorites Tools Help
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Zimbra Web Client Log In
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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 t
improvements done across different code generation areas for "speed". And makes more use of modern processo
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++ 201
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
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 Redistributabl
signatures and SHA checksums to verify the contents of the files.

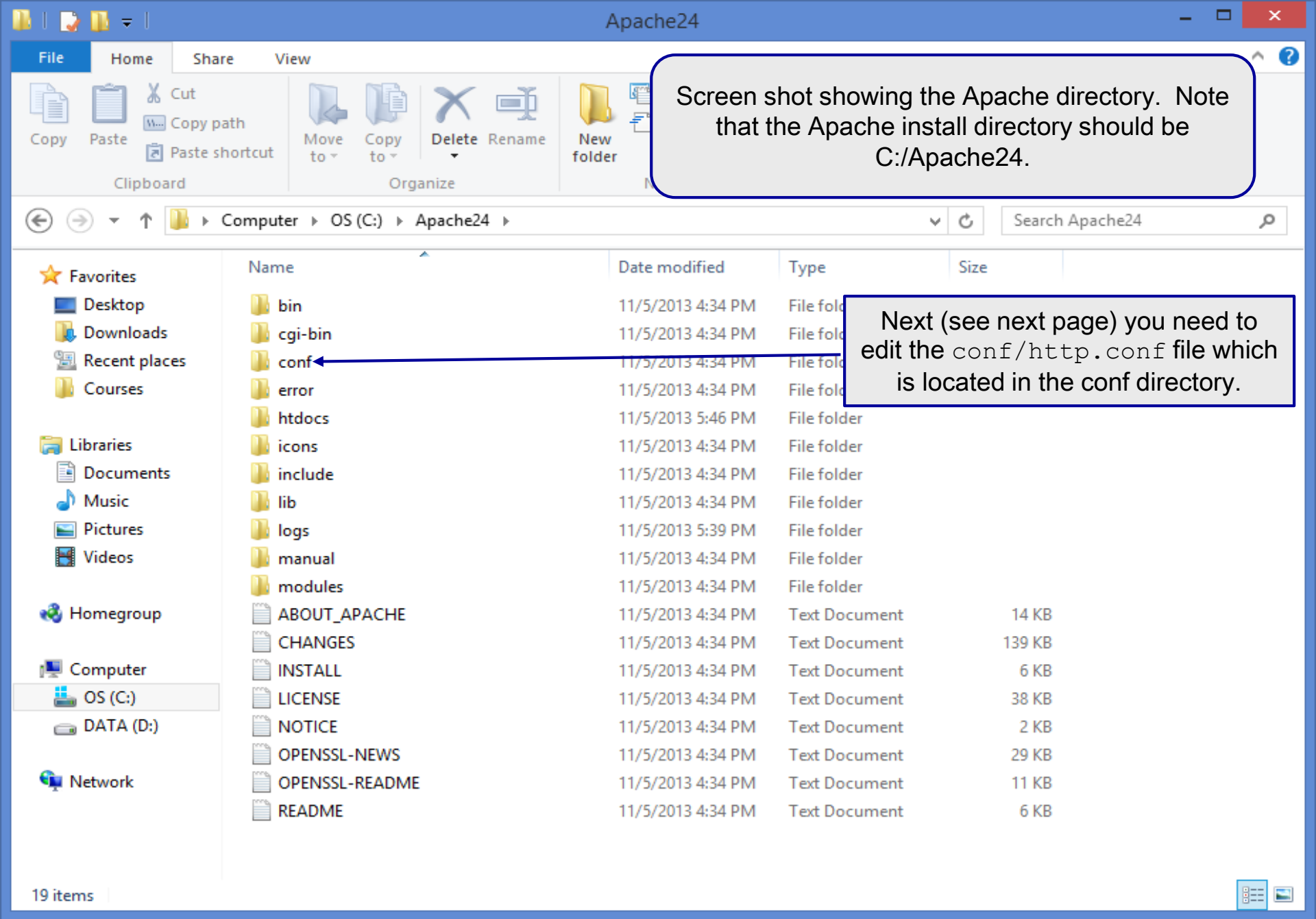
ReadMe - Notepad

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


Apache24
File
Home
Share
View
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
Screen shot showing the Apache directory. Note that the Apache install directory should be C:/Apache24.
Computer ▸ OS (C:) ▸ Apache24 ▸
Search Apache24
Favorites
Desktop
Downloads
Recent places
Courses
Libraries
Documents
Music
Pictures
Videos
Homegroup
Computer
OS (C:)
DATA (D:)
Network
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Size
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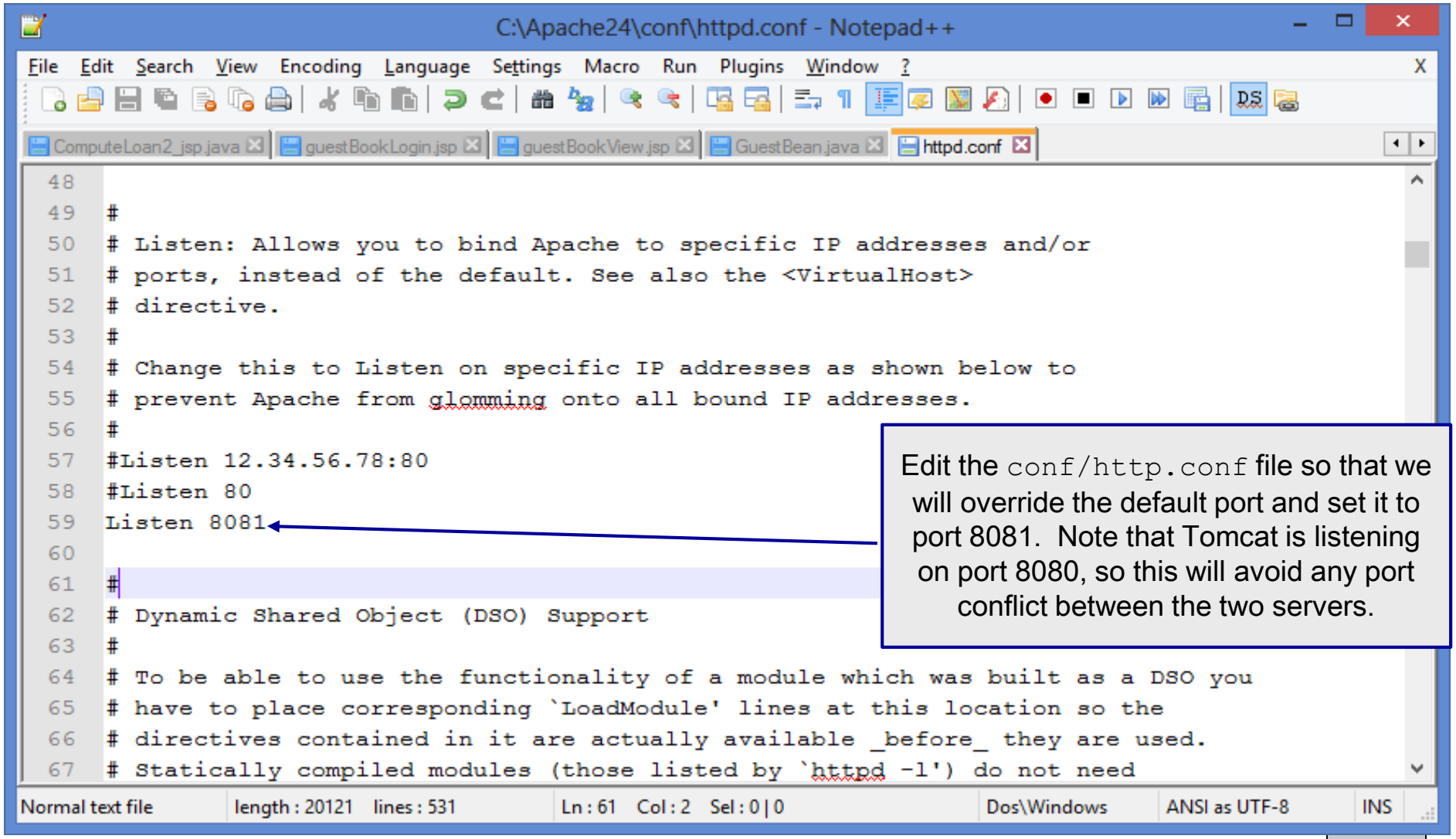
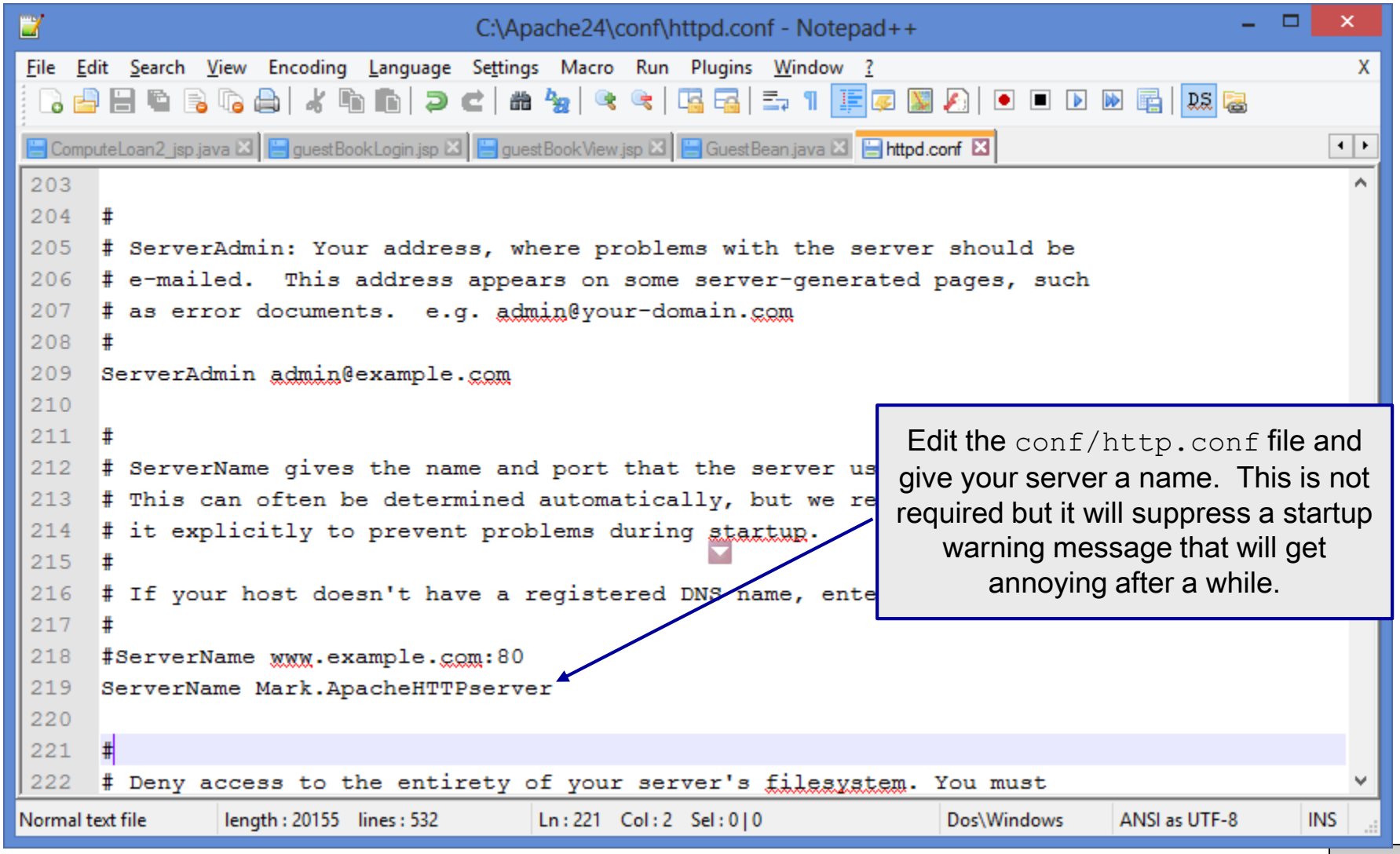
cgi-bin 11/5/2013 4:34 PM File folder
conf
error 11/5/2013 4:34 PM File folder
htdocs 11/5/2013 5:46 PM File folder
icons 11/5/2013 4:34 PM File folder
include 11/5/2013 4:34 PM File folder
lib 11/5/2013 4:34 PM File folder
logs 11/5/2013 5:39 PM File folder
manual 11/5/2013 4:34 PM File folder
modules 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
OPENSSL-NEWS 11/5/2013 4:34 PM Text Document 29 KB
OPENSSL-README 11/5/2013 4:34 PM Text Document 11 KB
README 11/5/2013 4:34 PM Text Document 6 KB
Next (see next page) you need to edit the conf/http.conf file which is located in the conf directory.
19 items

Installing And Configuring Apache (cont.)

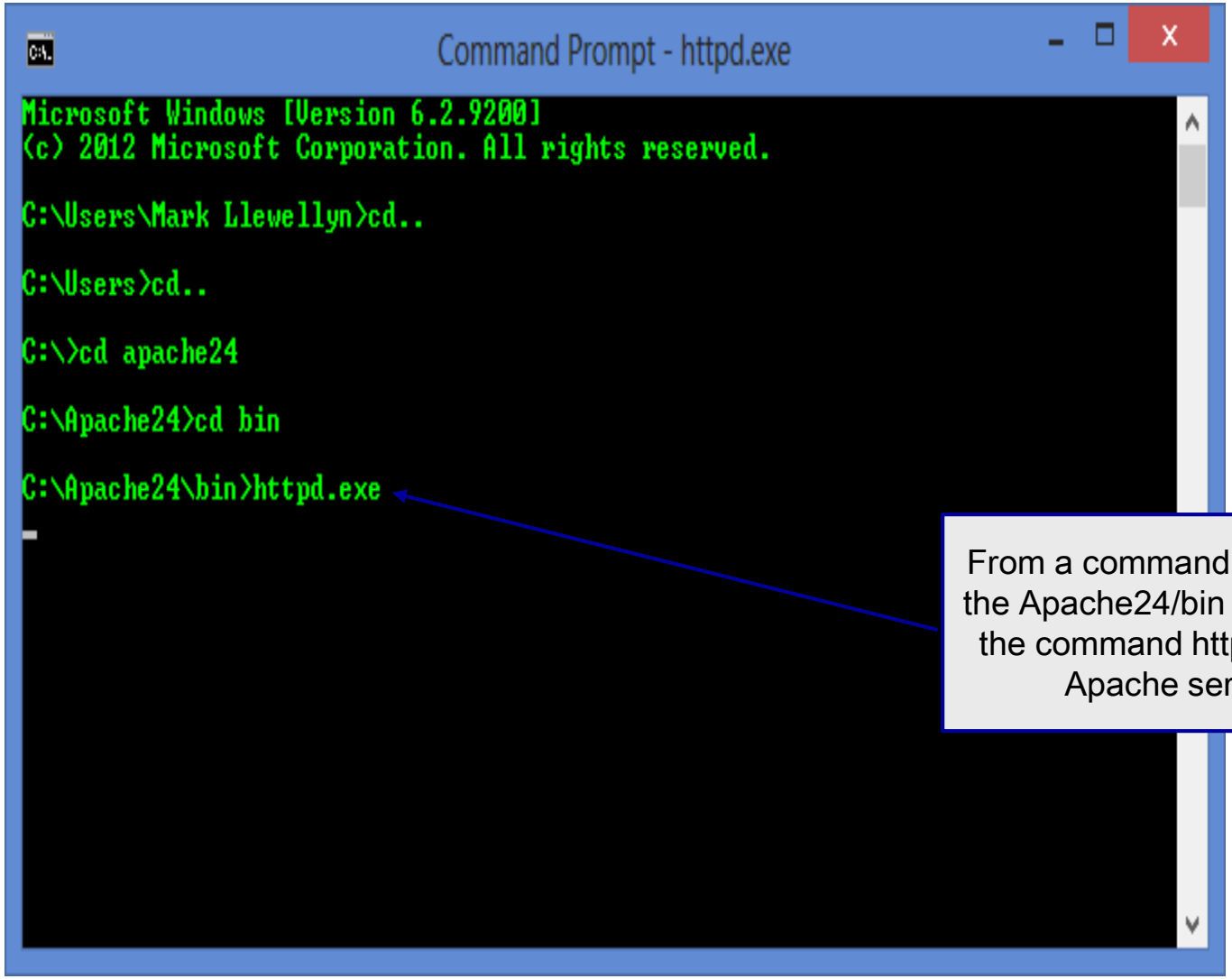


Edit the `conf/http.conf` file so that we will override the default port and set it to port 8081. Note that Tomcat is listening on port 8080, so this will avoid any port conflict between the two servers.

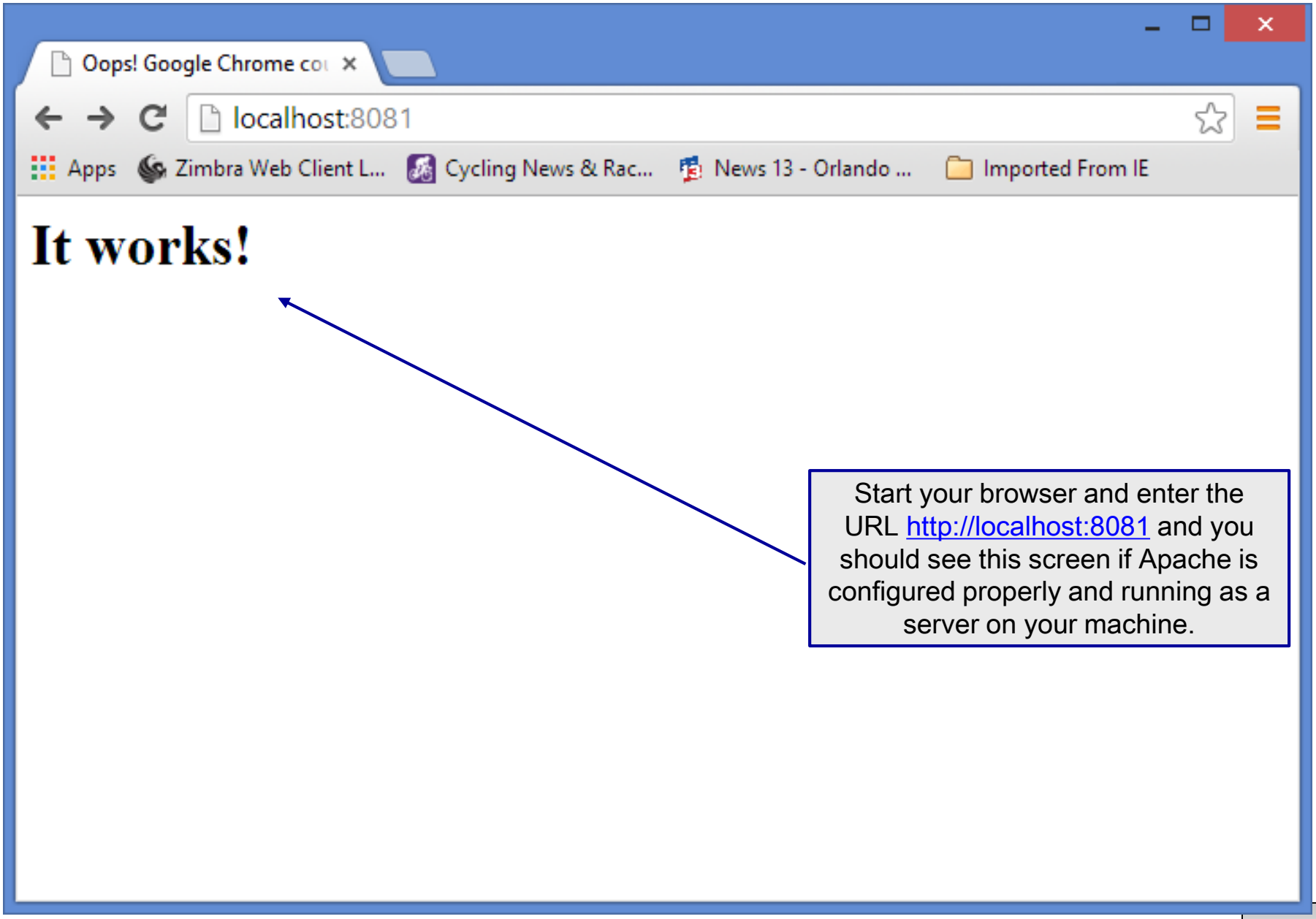
Installing And Configuring Apache (cont.)



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.



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.