



Lab 3-2: Using Internet protocols in a Web browser

In this lab, you will use Internet protocols in your browser.

1. Open your browser and go to **www.CIWcertified.com**. The prefix *http://* is assumed when entering a URL into a Web browser. This step accesses the CIW Web site and displays its home page in the browser window, as shown in Figure 3-5.

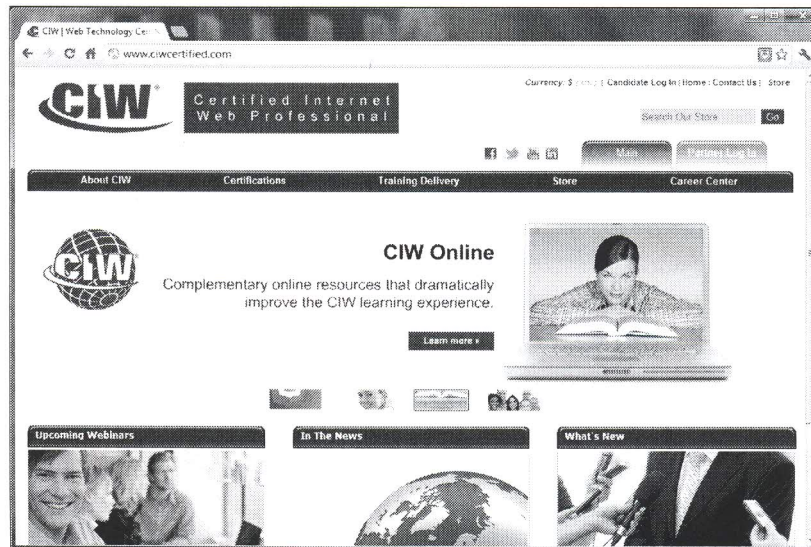


Figure 3-5: CIW Web site home page

2. In the browser toolbar, click the **Home** button to display the browser's default Web site.

Note: The Home button in the browser toolbar will display the browser's specified default Web site, not the home page of the site you are visiting.
3. Type **72.44.192.233** in your browser's address field (where you typed *www.CIWcertified.com*), then press **ENTER**. This step accesses the CIW Web site using the IPv4 address, instead of the URL, and displays its home page in the browser window.
4. Type **ftp://ss1.ciwcertified.com** in your browser's address bar, then press **ENTER**. This step accesses the CIW FTP site, which you can use to transfer files between it and your computer. You will use FTP later in this course. The Internet protocol must be specified in a Web browser when it is not the default HTTP.
5. Type **ftp://64.128.206.143** in your browser's address bar, then press **ENTER**. This step also accesses the FTP site, but uses the IPv4 address instead. Notice that the Internet protocol "ftp://" is still required.
6. To learn more about Internet protocol and technology topics, form teams of two people each with your classmates and pair up the teams.

- **Team A:** Go to www.ripe.net/internet-coordination/ipv4-exhaustion to read about IPv4-address depletion. View the "RIPE NCC IPv4 Available Pool Graph" to determine how many IPv4 addresses remain. Should we be worried?
 - **Team B:** Go to <http://mobileoffice.about.com/od/glossary/g/mobile-hotspot.htm> to learn about the brief history of 4G mobile hotspot devices. Find another source with information on how 4G mobile hotspots are deployed. Based on your Web site visits, do you think 4G mobile hotspots could eventually replace cable and xDSL Internet access?
- 7. Both teams:** After you have completed the research, discuss your findings with the other team. Explain what you discovered and provide your own ideas and thoughts about these protocols and technologies. How will these changes impact businesses and residential Internet users?
- 8.** Close the browser.
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