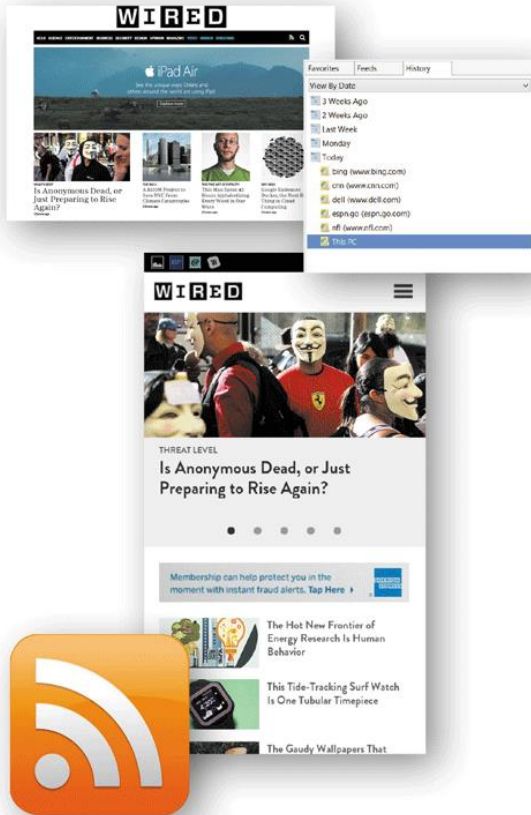# 2 | Browsing the Web

## (Lecture 04)



# Discovering the Internet,
# 5th Edition

# Objectives

- ➤ Start a browser and view webpages

- ➤ Visit webpages using browser shortcuts

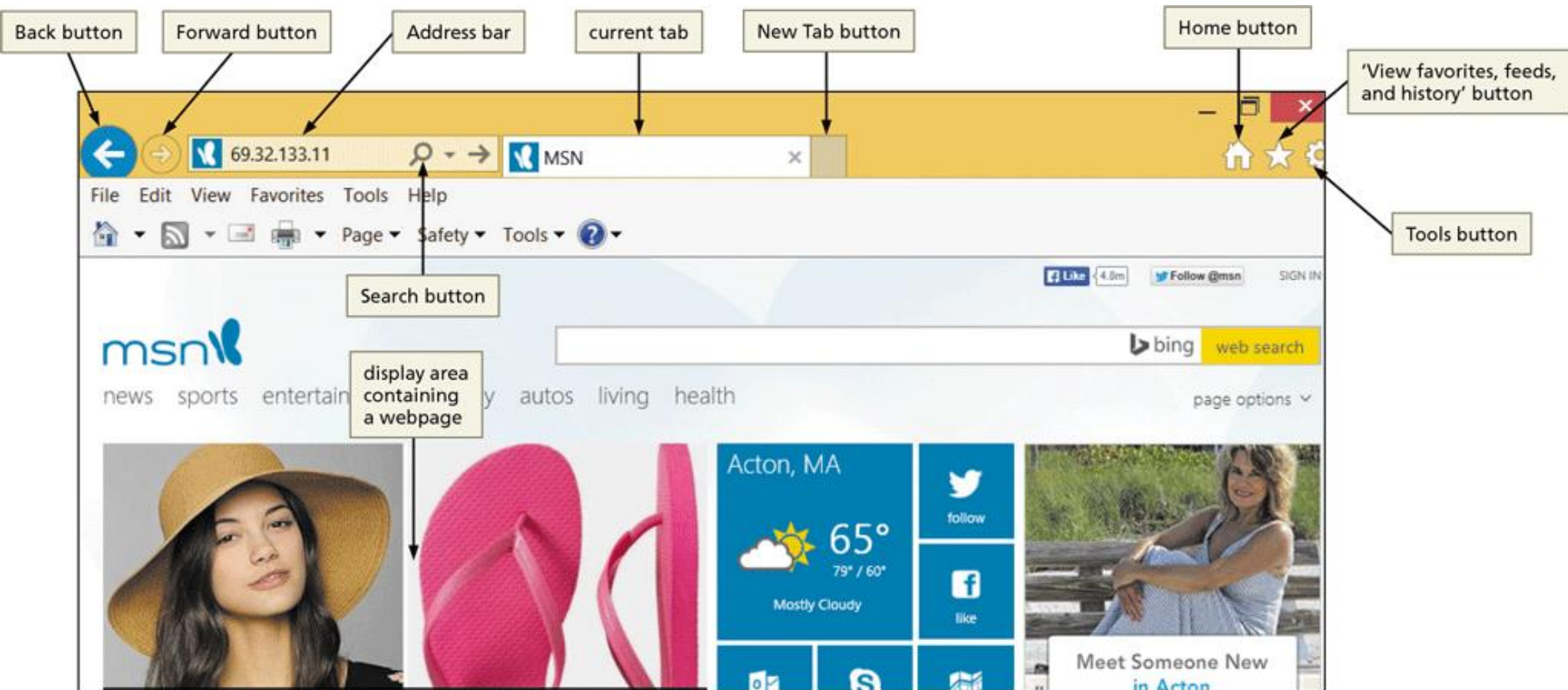- ➤ Discuss the risks and safeguards related to using the web

# Browsers

➢ Software or app used to access and view webpages

➢ Popular browsers for personal computers in homes and businesses

- – Google Chrome
- – Mozilla Firefox
- – Microsoft Windows Internet Explorer
- – Apple Safari
- – Opera

# Browsers

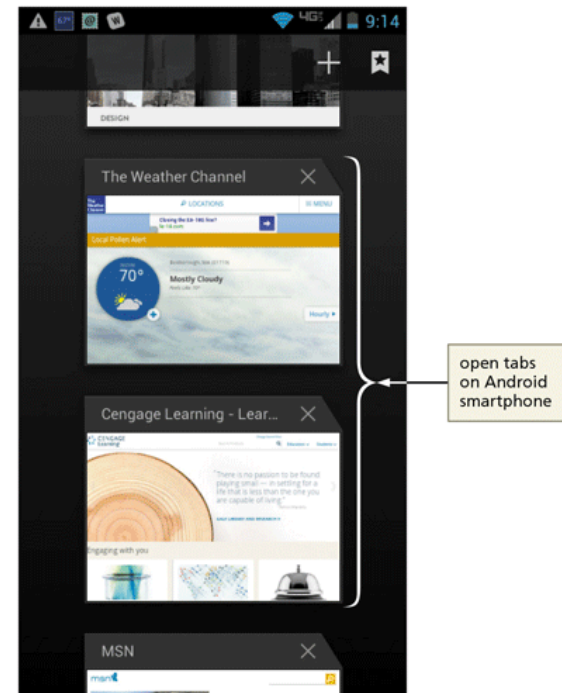| Browser | Description | Mobile Version(s) |
|---|---|---|
| Google Chrome | Free browser for Windows and Mac OS. Must be downloaded and installed. Includes strong security features. | Google Chrome, Google Android |
| Mozilla Firefox | Free browser for Windows, Mac OS, and Linux computers. Must be downloaded and installed. Includes many plug-ins, privacy and security features, and a password manager. | Firefox Mobile |
| Microsoft Internet Explorer | Free browser, comes installed on Microsoft Windows computers. Offers protection against phishing and malware. | Internet Explorer Mobile |
| Apple Safari | The default browser for Mac OS computers. Includes built-in social networking sharing tools, and is known for its fast performance. | Safari Mobile |
| Opera | Used on both computers and mobile devices. Must be downloaded and installed. The second oldest browser. | Opera Mini |

# Browsers

# Browsers

➢ Navigating Recently Viewed Webpages

– Use the Back, Forward, Stop, Refresh, and Home Buttons

- Back and Forward buttons – revisit recently viewed webpages

- Stop and Refresh buttons – stops opening a page or opens an updated copy of the current page

- Home – displays the home page(s)

# Browers

➢ Using **Tabbed Browsing**

 – Allows you to open multiple webpages in a single browser window

# Browsers

➢ Using Tabbed Browsing (continued)

– Each page can be opened in its own tab

– On mobile devices, view open tabs using a menu command

– New tab button displays a blank tab on which you can enter a URL

– Tapping or clicking a tab brings the webpage and tab from the background to the foreground

– Click the New Tab button to open a blank tab then enter URL in the Address box to open a webpage in the new tab
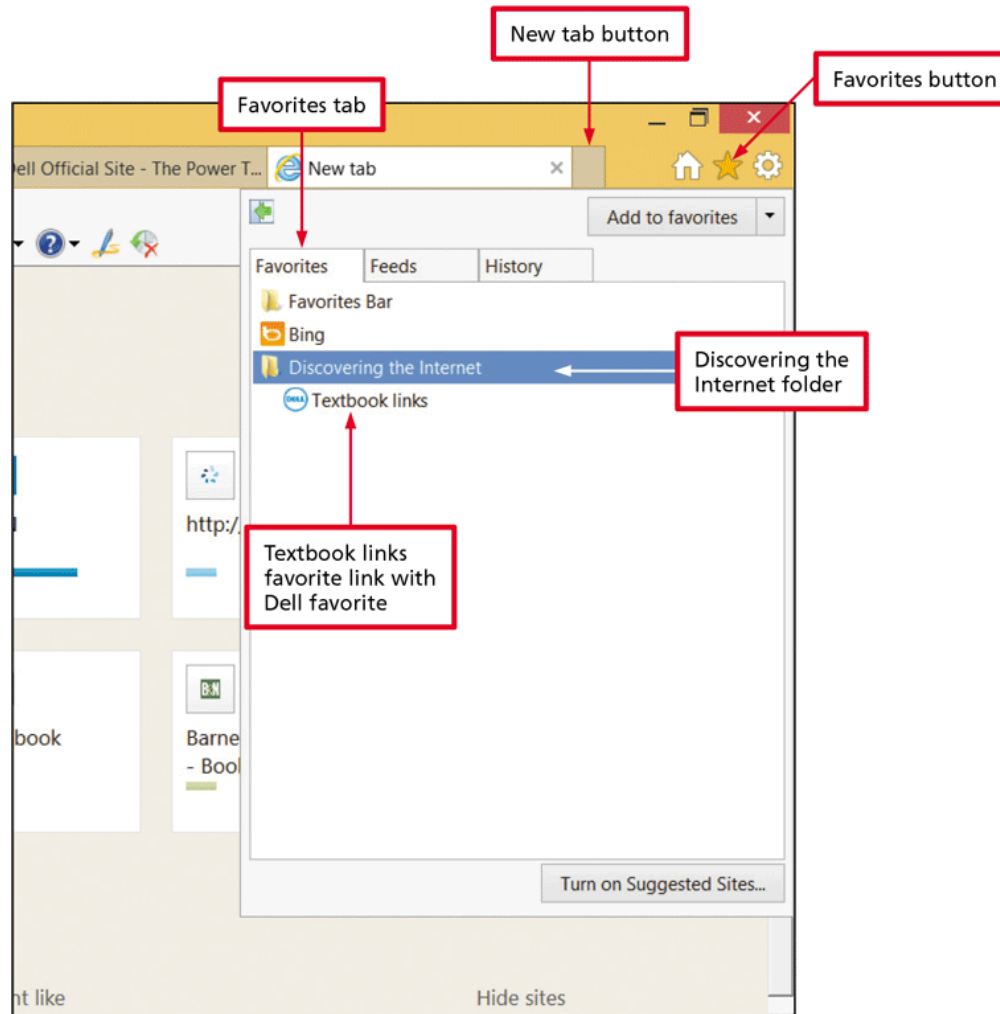
# Using Browser Shortcuts to Visit Webpages

- Most browsers provide shortcuts for accessing webpage content and revisiting webpages, including:
  - Favorites
  - History
  - Accelerators
  - Web feeds
  - Address bar drop-down list
  - Suggested websites
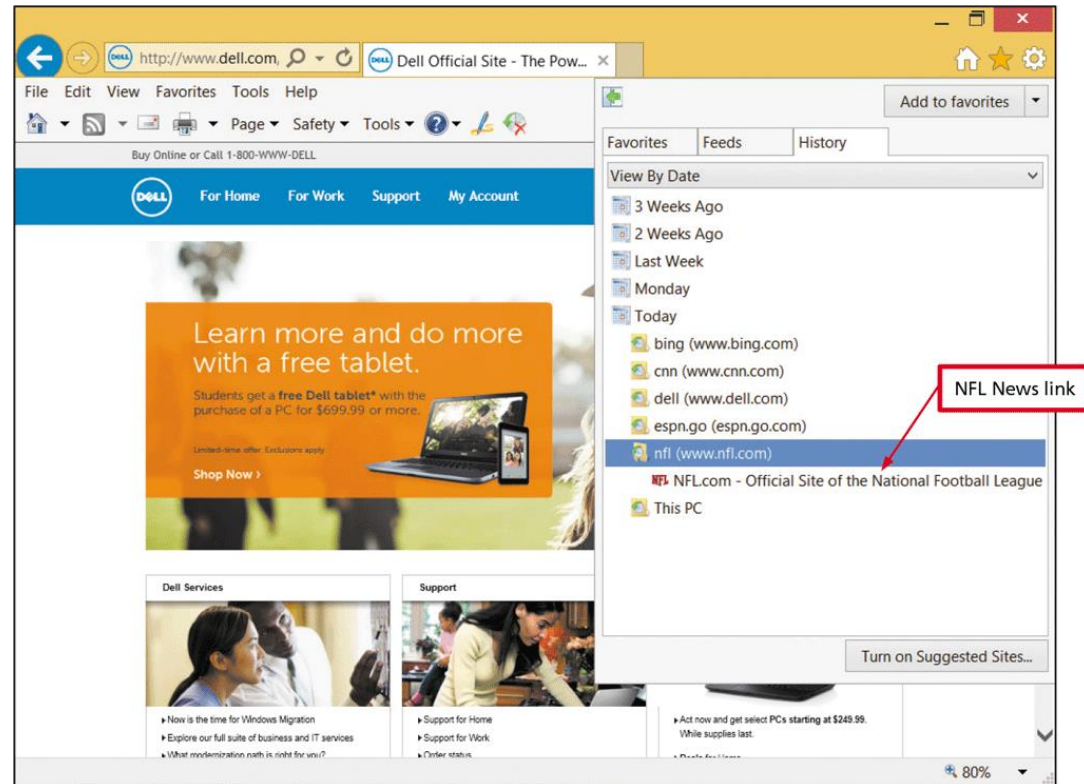
# Using Browser Shortcuts to Visit Webpages

- Favorites
  - A **favorite**, or **bookmark**, is a browser shortcut to a frequently viewed webpage
  - Once created, you can tap or click the Favorites or Bookmark button to revisit the webpage

# Creating a Subfolder and Adding a Favorite or Bookmark
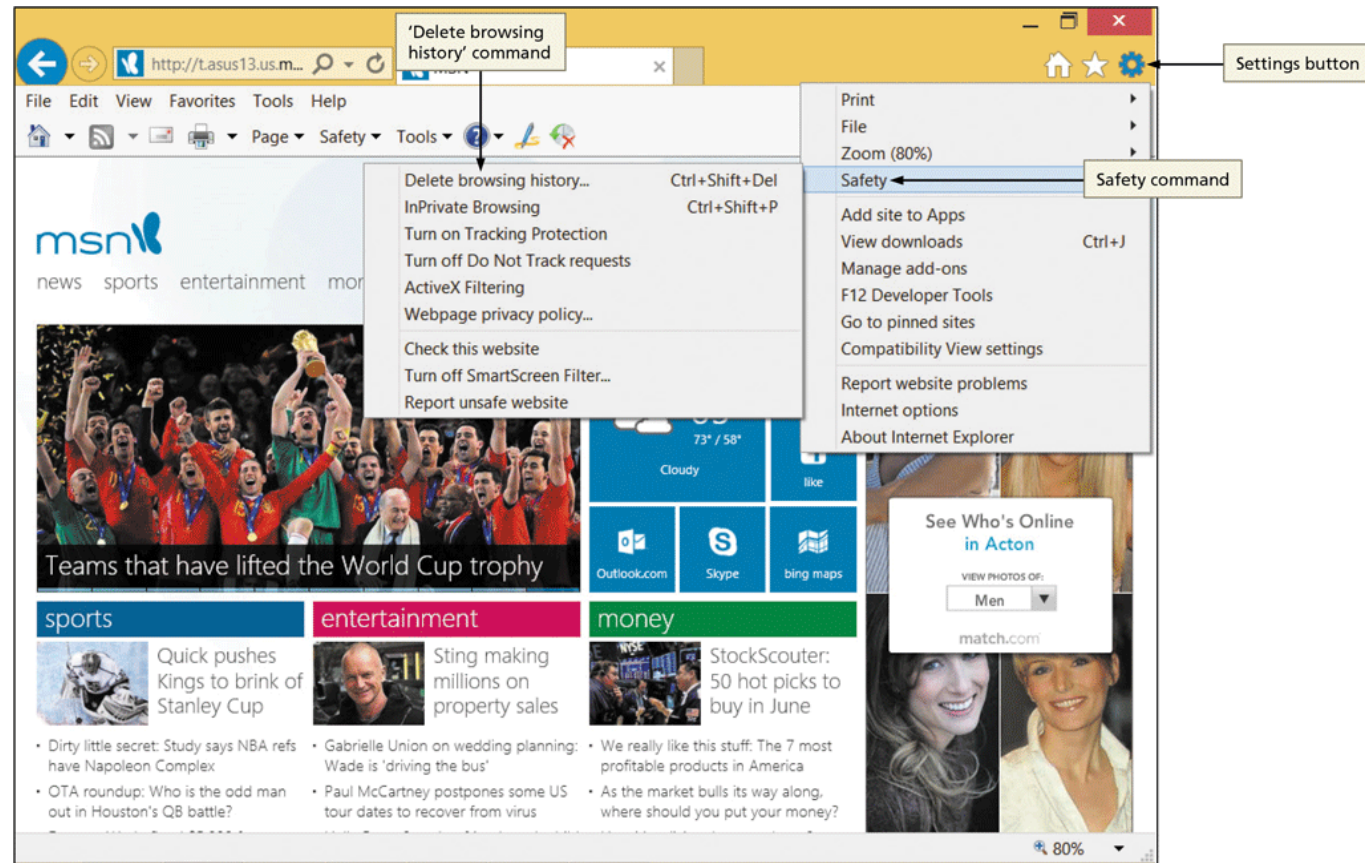
# Revisiting a Webpage Using the History List

- Tap or click the Favorites button, Customize button, or other option

- Tap or click the History tab or History menu option to view the History list

- Tap or click the Today icon, if necessary, to expand the list of webpages visited today

# Using Browser Shortcuts to Visit Webpages

➢Clear the Browser History

– Clear the browser history to protect your privacy

# Using Browser Shortcuts to Visit Webpages

Technologies that distribute web content to subscribers based on the websites and types of web content the user specifies

- ➢ **Add-Ons**
  - Allow you to access web content or take some action based on selected webpage text
  - Also called **accelerators** or **extensions**
- ➢ **Web Feeds**
  - A service that provides updates to web content for subscribers
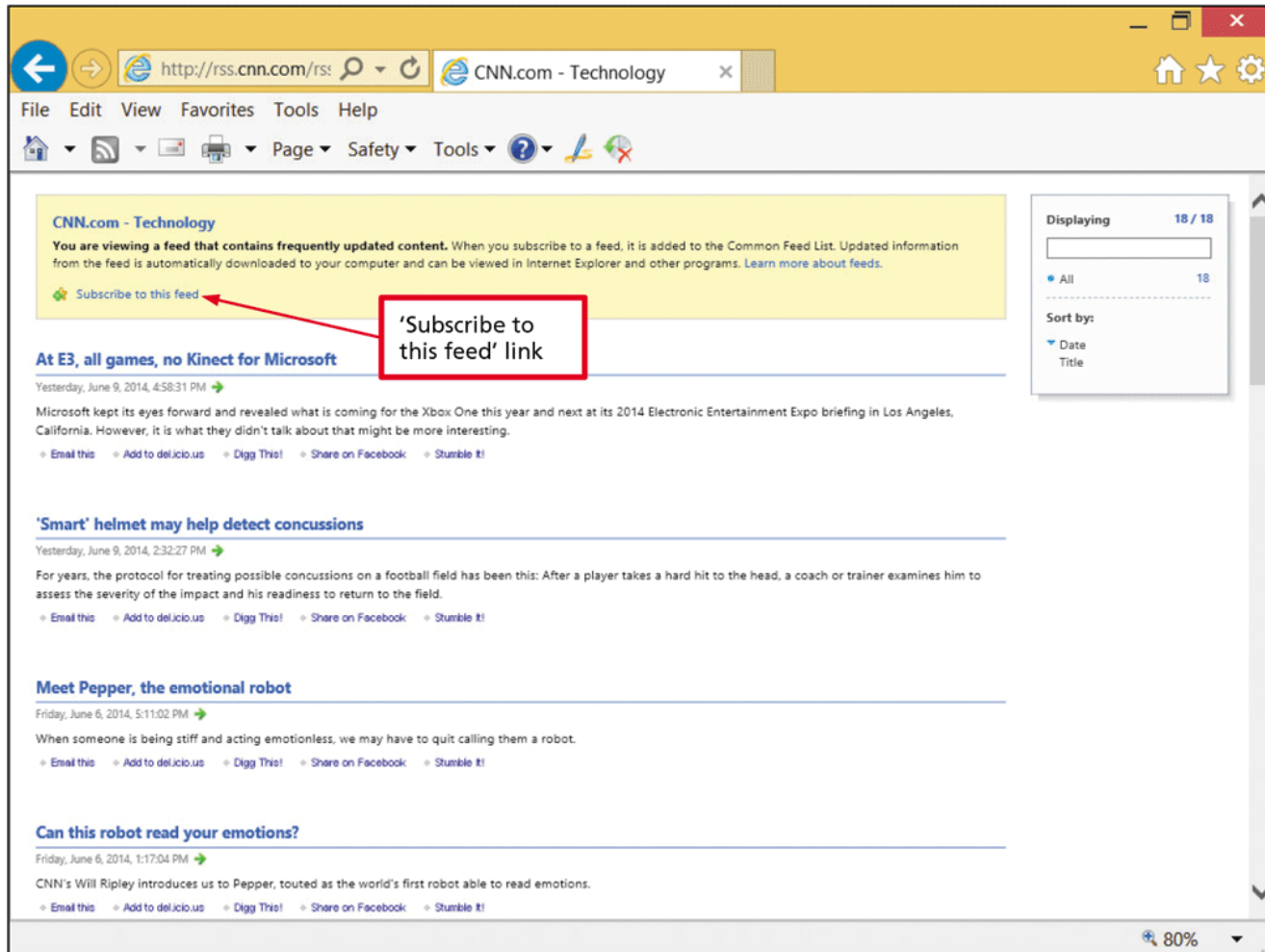  - **RSS** (**Really Simple Syndication**) and **Atom**
  - **Feed reader** ← Can be email client or browser add-on. Nowadays, most browsers have a built-in feed reader
  - **Aggregator**
- ➢ Most browsers have a built-in feed reader; can download stand-alone feed readers

# Subscribing to a Web Feed

- Type `CNN.com/TECH` in the Address bar and then press the ENTER key to open the webpage

- Tap or click the Feeds button arrow to view the available feeds on the selected website

- Click 'CNN – Tech (RSS) or the feed of your choice

- Scroll the webpage to view the news stories available

- Tap or click the 'Subscribe to this feed' link to display the Subscribe to this Feed dialog box or perform similar steps if your browser works differently

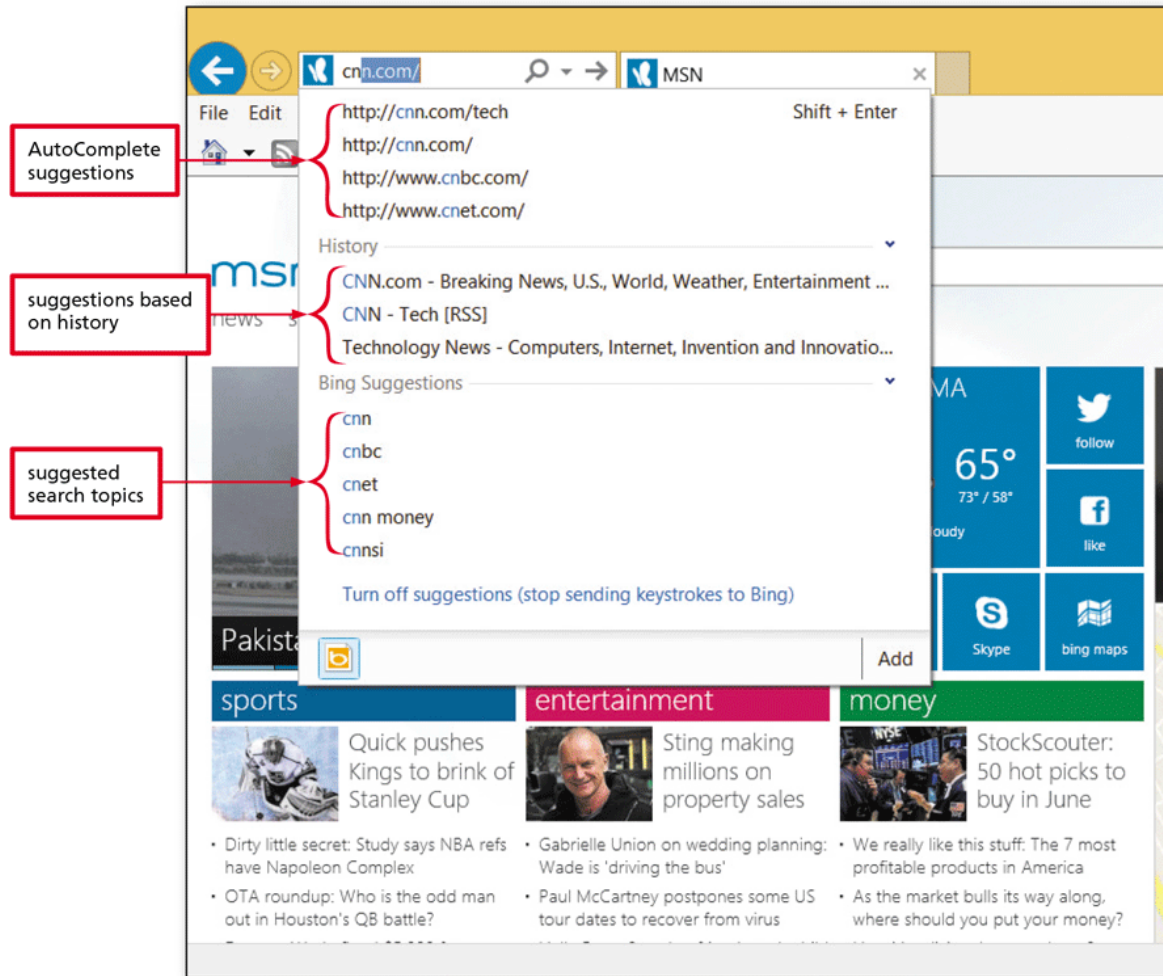- Tap or click the Subscribe button to display the confirmation webpage

# Subscribing to an RSS Feed

# Using Browser Shortcuts to Visit Webpages

➢ Viewing and Deleting a Web Feed

– Tap or click feed you wish to delete

– Unsubscribe by deleting the feed from the feed reader

➢ Suggested Websites

– The **AutoComplete** feature looks at the first few characters you type in the Address box and then suggests websites and search keywords based on the stored URLs

– The Address bar dropdown list organizes suggestions by:

• AutoComplete suggestions

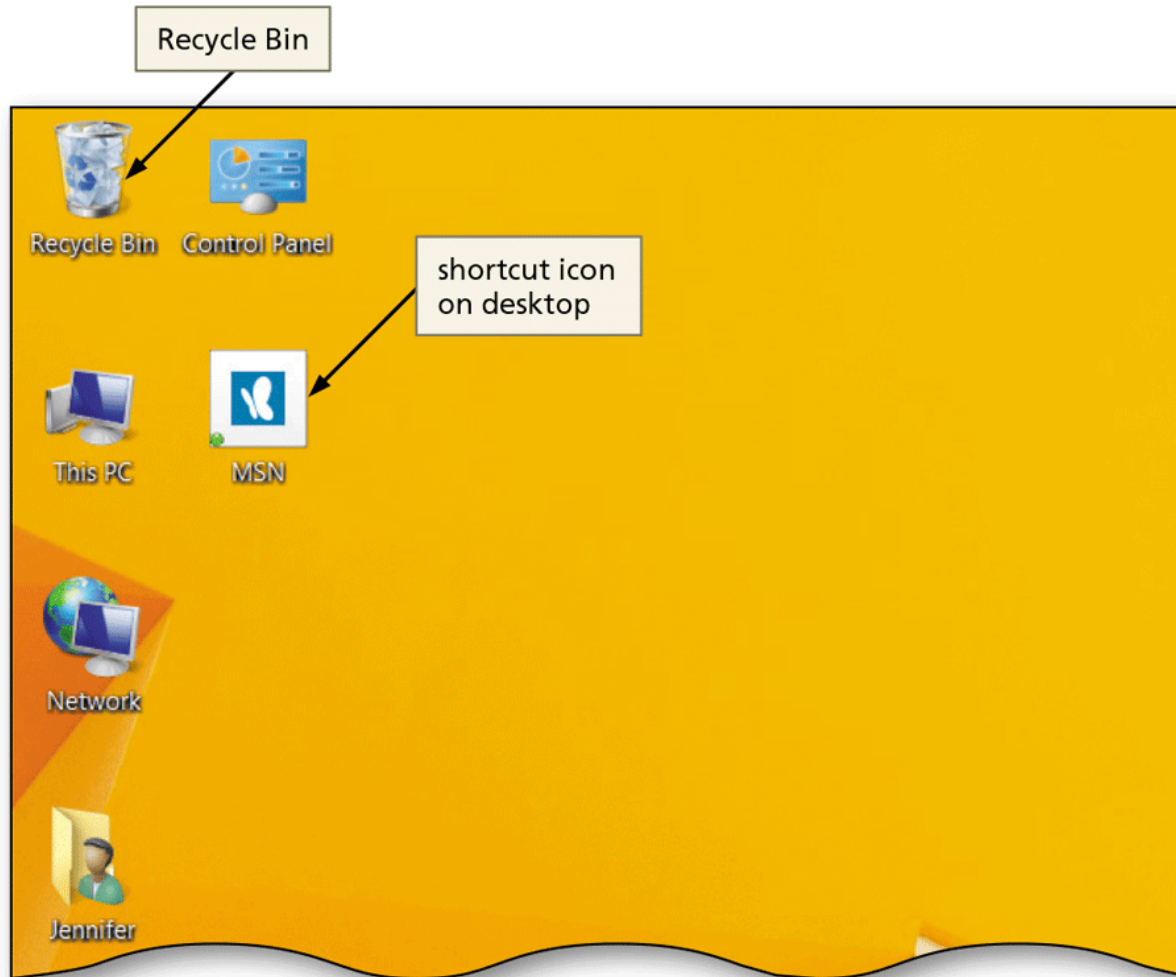• History of webpages previously visited

• Suggested search topics

# Using Browser Shortcuts to Visit Webpages

# Creating a Website Shortcut on the Desktop

- Navigate to www.msn.com if necessary

- If necessary, minimize browser window so that you can see the desktop

- Tap or click the MSN icon in the Address bar or select the URL in the Address bar

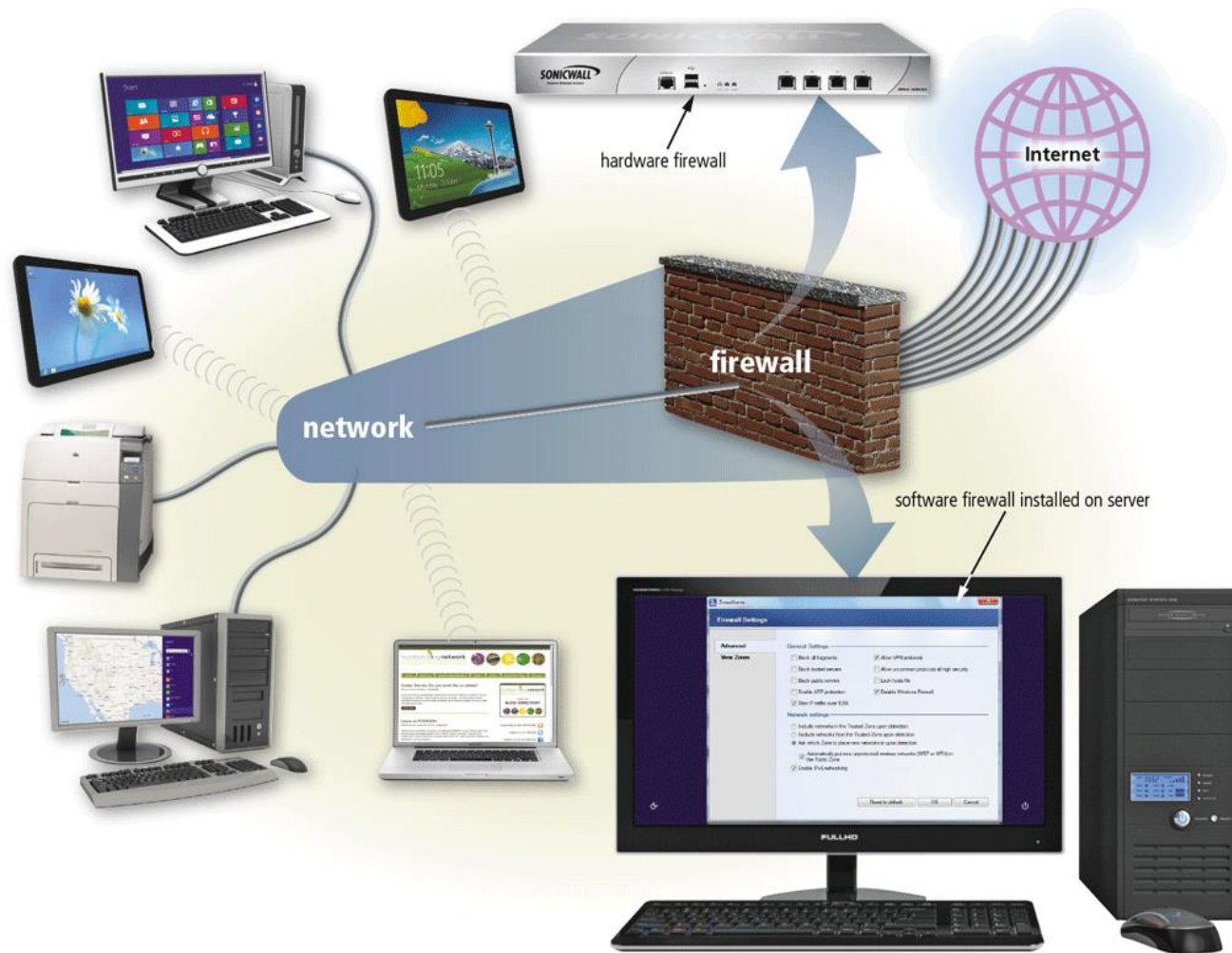- Drag the icon or suggested URL to the desktop to create a shortcut

# Creating a Website Shortcut on the Desktop

# Using the Web: Risks and Safeguards

➤ Protecting Your Computer from Hackers

– A **hacker** is an individual who uses his or her technology skills to access a network and the computers on that network without authorization

– A **firewall** is hardware and/or software that protects a computer or network from unauthorized access by hackers

- Operating system might provide a firewall
- Use password protection
- Many routers and other network devices include firewalls

# Using the Web: Risks and Safeguards
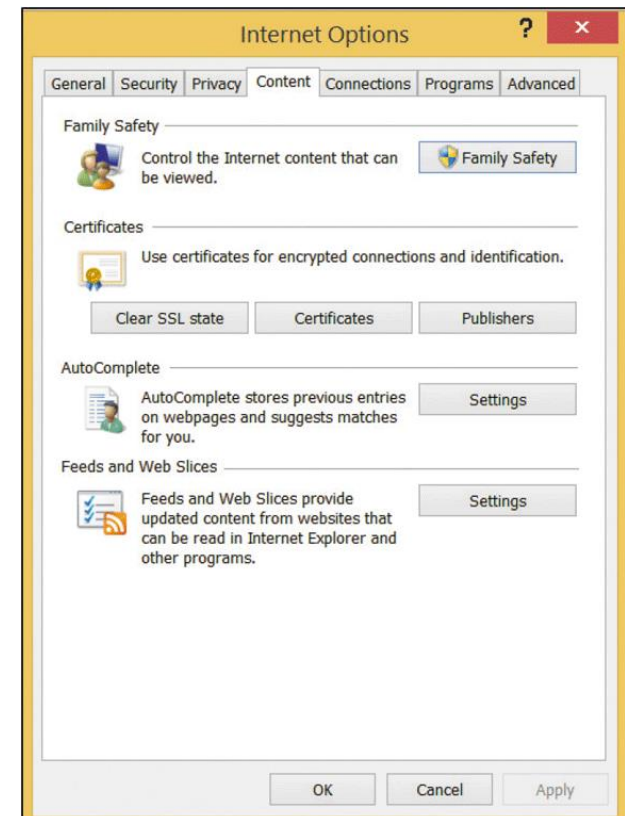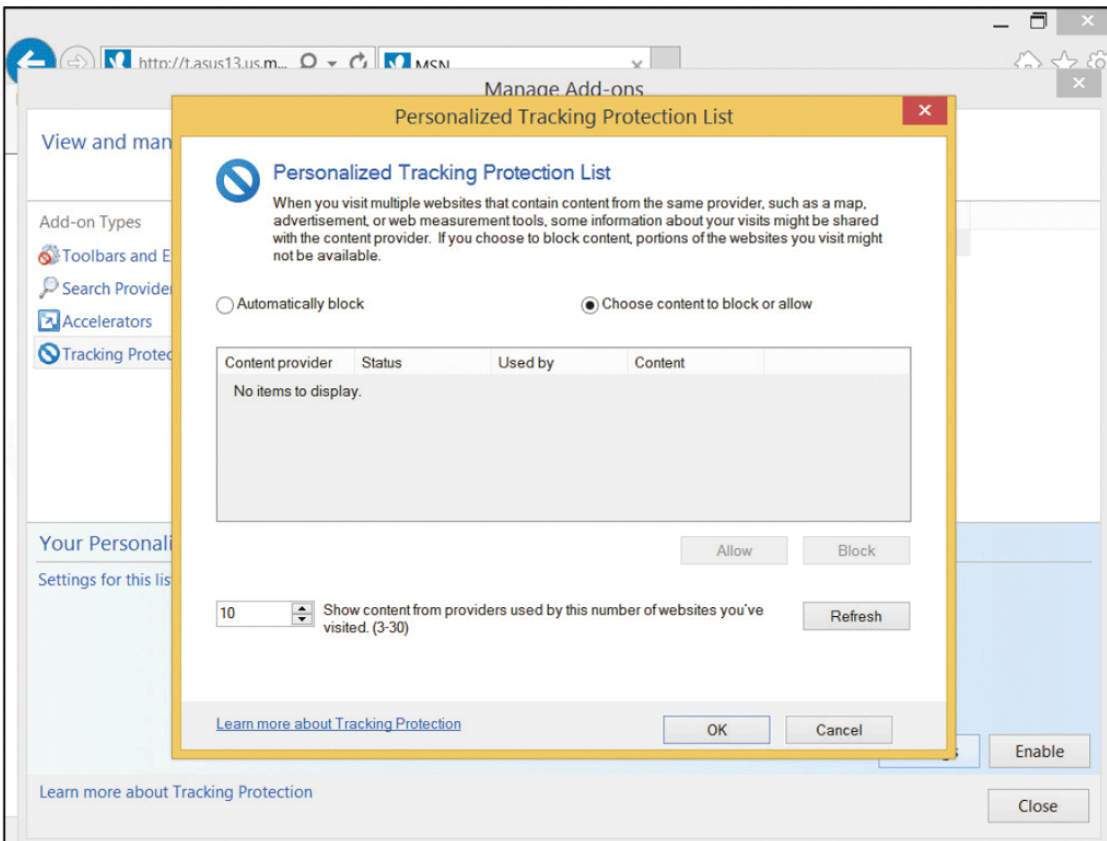
# Using the Web: Risks and Safeguards

➢ Virus Protection

  – A **virus** is a small, potentially damaging computer program or app

  – Most browsers include filters and virus detection

  – Can be spread to other computers through:

    • Sending/receiving e-mail message, text message, or file attachment

    • Downloading software and apps

  – Install virus protection software to protect against infection and update it automatically

# Using the Web: Risks and Safeguards

➢ Shopping Safely Online

  – Use reputable online vendors

  – Pay with a credit card over a **secure connection**

  – Never send your credit card number or other personal information as an email or text message

➢ Filtering Web Content

  – Web is a largely unregulated and unprotected environment

    • **Tracking Protection Lists** (**TPLs**)

    • Use **web content filters** (**Internet filters**)

# Using the Web: Risks and Safeguards

# Using the Web: Risks and Safeguards

➢ Protecting against Malicious Websites

– A **malicious website** is a website designed to look like a legitimate site, but is owned by hackers or online thieves

– Used by thieves to:

• Collect personal information, such as name and password

• Distribute malicious software

– Most browsers have built-in filters for detecting malicious websites

# Using the Web: Risks and Safeguards

➢ Keeping Your Personal Information Private
  – **Information privacy** refers to the right of individuals and companies to deny or restrict the collection and use of personal information.
  – Entities that might be collecting and using your private information:
    • Employers
    • Internet Service Providers
    • Government agencies
    • Privacy Advocates

# Using the Web: Risks and Safeguards

➢ Keeping Your Personal Information Private (continued)

- Privacy Advocates – dedicated to informing government agencies and consumers about privacy issues and maintaining information about privacy issues at their websites
- Business websites
- **Cookies** – Small text file stored on a computer of device
- **Spyware** – technology that accesses your computer system to gather information without your knowledge and approval
- **Adware** – form of spyware that gathers information then uses it to deliver targeted web advertising