

- WiMAX (World Interoperability for Microwave Access), 554, 668
 - Windows
 - nslookup program, 141–142
 - Snort, 742
 - Wireshark packet sniffer, 78
 - window size, 220
 - wired-access ISPs tiered levels of service, 636
 - wired broadcast links, 521
 - wired environments and packet sniffer, 58–59
 - Wired Equivalent Privacy. *See* WEP
 - wired link differences from wireless links, 519
 - wired networks, 519
 - wireless, 513–514
 - wireless communication links, 515–516
 - wireless devices, 58–59
 - wireless hosts, 514, 516–517, 530
 - wireless LANs, 445
 - access point, 17
 - LAN base stations, 548
 - DHCP (Dynamic Host Configuration Protocol), 346
 - versus* 3G cellular mobile systems, 548
 - IEEE 802.11 technology, 17
 - security, 726–731
 - WiFi, 17
 - wireless LANs and 802.11 standards, 526
 - wireless links
 - bit errors, 519
 - decreasing signal strength, 519
 - differences from wired links, 519
 - fading signal's strength, 521–522
 - hidden terminal problem, 521
 - interference from other sources, 519
 - multipath propagation, 519
 - TCP sender awareness, 577
 - undetectable collisions, 521–522
 - wireless mesh networks, 518
 - wireless networks, 513
 - application layer, 575
 - base station, 516–518
 - CDMA (code division multiple access) protocol, 522–526
 - characteristics, 519–526
 - 802.11 wireless LANs, 526–546
 - link layer, 575
 - link rates, 515
 - mobility, 575–577
 - multi-hop, infrastructure-based, 518
 - multi-hop, infrastructure-less, 518
 - network infrastructure, 518
 - network layer, 575
 - single-hop, infrastructure-based, 518
 - single-hop, infrastructure-less, 518
 - TCP (Transmission Control Protocol), 575–577
 - UDP (User Datagram Protocol), 575–577
 - wireless communication links, 515–516
 - wireless hosts, 514
 - wireless personal area network. *See* WPAN
 - Wireless Philadelphia, 515
 - wireless station, 529–530
 - Wireshark labs, 59, 78
 - work-conserving round robin discipline, 644
 - workload model, 635
 - World Wide Web. *See* Web
 - worms, 56–57, 740
 - WPAN (wireless personal area network), 544
- X**
- X.25, 512
 - XNS (Xerox Network Systems) architecture, 384
- Y**
- Yahoo!, 65, 86, 130
 - YouTube, 65, 588, 610–611
 - HTTP streaming (over TCP), 596
 - streaming stored video, 591
 - video, 602
- Z**
- Zigbee, 545–546