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Security Threats to Home and Small OfficesBasic Defenses; Advanced Defenses; Security Resources; Chapter 11. Network Design and Simulation Software; Network Design Tools; The Network Hierarchy; Simulating Network Traffic; Documenting the Network Design; Part Four: Ethernet Solution Examples; Chapter 12. Network Example 1: Professional Home Network; Chapter 13. Ethernet Example 2: Small-But-Growing Real Estate; Business Overview; Network Plans; Network Design Considerations; Chapter 14. Network Example 3: Small Law Firm; The Internet, the Backbone, and Equipment Rooms
Connecting End-User DevicesSecurity Considerations; Appendix A. Older Ethernet Standards; Thick Coaxial Cable (10BASE5); Thin Coaxial Cable (10BASE2); 10BASE-T; Appendix B. TCP and UDP Ports; Well-Known Ports; Registered Ports; Port List References; Appendix C. Products and Vendors; Glossary; Index

Sommario/riassunto

In a local area network (LAN) or intranet, there are many pieces of hardare trying to gain access to the network transmission media at the same time (i.e., phone lines, coax, wireless, etc.). However, a network cable or wireless transmission frequency can physically only allow one node to use it at a given time. Therefore, there must be some way to regulate which node has control of the medium (a media access control, or MAC, protocol). Ethernet is a MAC protocol; it is one way to regulate physical access to network tranmission media.Ethernet networking is used primarily by networks th