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Generation Wireless LANs; 2.13 Throughput versus Data Rate; 2.14 Cable Replacement versus Mobility; 2.15 Wireless LAN Components; 2.15.1 Wireless Network Interface Cards; 2.15.2 Wireless Access Points; 2.15.3 Wireless LAN Switches; 2.15.4 Remote Wireless Bridges; 2.16 Wireless LAN Deployment Considerations
2.17 Roaming and Handoff2.18 Health Concerns; 2.19 Site Survey; 2.20 Wireless Analyzers; 2.21 Network Management; 2.22 Applications; 2.23 Wi-Fi Deployment; 2.23.1 Hotels; 2.23.2 Airports; 2.23.3 Restaurants and Coffee Shops; 2.23.4 Corporations; 2.23.5 Shopping Malls; 2.24 Summary; References; Chapter 3 Wi-Fi Network Security; 3.1 Introduction; 3.2 Wi-Fi Protected Access (WPA); 3.3 The Maginot Line of Wireless LAN Security; 3.3.1 The Problem; 3.3.2 Security Issues Affecting Wireless LANs; 3.4 Initial 802.11 Security Approaches; 3.4.1 Authentication; 3.4.2 Wired Equivalent Privacy (WEP)
3.4.3 WEP's Fatal Flaws3.4.4 802.1x; 3.5 Is the Problem Intractable?; 3.5.1 Wireless Networks; 3.5.2 The Need for a Unified Approach; 3.5.3 The Need for Key Management; 3.6 A Comprehensive Security Architecture for Wireless LANs; 3.6.1 Providing Improved Access Control; 3.6.2 Ensuring Link Privacy and Integrity; 3.7 Summary; References; Chapter 4 QoS Provisioning for 802.11 Wireless Home Networks; 4.1 Basics of Quality of Service (QoS) Provisioning; 4.2 QoS Provisioning in Home Wireless Networks; 4.2.1 Reserved Bandwidth; 4.2.2 Error Control; 4.2.3 Resource Allocation; 4.2.4 Traffic Shaping
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5.1 Enabling Technologies

Sommario/riassunto

Your success guide to the next wireless revolutionThe next watershed innovation in wireless technology is here: IEEE 802.11 wireless local area networks (LANs).Recent studies from IDC indicate that the Wi-Fi wireless LAN market will likely account for ninety percent of projected LAN equipment revenues by 2005-a trend that promises to spill over into home wireless networks. Yet this amazing growth has also created confusion: Which version of 802.11 is best for vendors and end-users? What about solutions such as the a/g and a/b combinations of the 802.11 standards?In World Wide Wi-Fi