

Cisco Press - Deploying Voice Over Wireless LANs

The definitive guide to planning, architecting, deploying, supporting, and creating Voice over Wireless LAN solutions

Recent advances make it possible to deliver high-quality voice and video communications over a wireless LAN (WLAN), replacing costly wired telephone and video surveillance systems and dramatically reducing support costs. However, today's new voice over WLAN (VoWLAN) technologies require fundamentally different skills and techniques from those used in traditional voice and video systems. Now, there's a complete guide to every facet of VoWLAN deployment: planning, design, installation, security, maintenance, and troubleshooting.

- Understand VoWLAN components, applications, and benefits
- See VoWLAN at work in actual enterprise environments
- Master VoWLAN signaling, including voice signal characteristics, A/D conversion, and compression
- Discover the latest 802.11 VoWLAN standards, including 802.11e, 802.11r, and 802.11k
- Secure IP-based VoWLAN systems against intrusion and compromise
- Analyze your organization's requirements and design an optimal VoWLAN solution
- Plan for capacity, roaming, and integration with cellular systems
- Install, configure, test, verify, and validate your VoWLAN system
- Plan for operational support and implement appropriate administration tools and methods
- Includes a complete VoWLAN glossary

Part I Fundamental Elements

Chapter 1 VoWLAN Applications and Benefits

Chapter 2 VoWLAN System Components

Chapter 3 VoWLAN Signaling Fundamentals

Part II Critical Technologies

Chapter 4 Wireless LAN Technologies

Chapter 5 VoWLAN Security Solutions

Part III Implementation Steps

Chapter 6 Analyzing VoWLAN Requirements

Chapter 7 Designing a VoWLAN Solution

Chapter 8 Installing, Configuring, and Testing a VoWLAN System

Chapter 9 Supporting a VoWLAN System

Appendix A Answers to Chapter Review Questions

Glossary

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