



Wireless Technology & Wireless Security

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Learn how to design, secure, and support wireless networks with this 1 day seminar. This seminar covers the fundamental concepts of deploying a secure WLAN. Wireless standards including 802.11 extensions a, b, g, and n. General troubleshooting tips to common real-world 802.11 a/b/g issues.

Course Outline

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- Why Wireless?
 - 802.11 Standards & Organizations
 - 802.11b
 - 802.11a
 - 802.11g
 - 802.11n
 - 802.11n
 - 802.11e (QoS)
 - Radio Frequency - gain, loss
 - How Antennas Work
 - Antenna Types
 - Dipole
 - Patch
 - Sector
 - Parabolic dish
 - Coverage Patterns
 - Perform Wireless Site Survey
 - Wireless Security
 - WEP
 - WPA and WPA2
 - WPA Configuration and Testing
 - WPA2 Configuration and Testing
 - RADIUS and 802.1x Authentication
 - Install RADIUS server
 - Use RADIUS (802.1x) with WPA2 Security
 - Configure and Test Windows 802.1x Wireless Client
 - Troubleshooting Wireless Connections
 - Common Problems
 - Signal Strength
 - Wireless Troubleshooting Utilities
 - Troubleshoot Wireless Connectivity

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