

Certified Wireless Analysis Professional (CWAP)



Online Course

ZETLAN TECHNOLOGIES
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Certified Wireless Design Professional (CWDP)

Course Modules

1.WLAN Design Overview:

- Importance of good design
- Impact of bad design
- Design process
- Design skills
- Design toolkit
- Pre-planning
- Customer interaction
- Requirements gathering
- Discovering existing systems
- Documenting the environment
- Defining constraints
- Creating documentation
- Client device types
- Application types
- Application-specific design
- High density design issues
- Standard corporate networks
- Industry-specific designs
 - o Government
 - o Healthcare



Certified Wireless Design Professional (CWDP)

- o Hospitality
- o Education
- o Retail
- o Public hotspots
- o Transportation
- o Mobile offices
- o Outdoor and mesh
- o Remote networks and branch offices
- o Last-mile/ISP and bridging
- o Defining vendor issues
- o Operational planes
- o Design models
- o Understanding architecture differences
- o RF spectrum
- o RF behaviors
- o Modulation and coding schemes
- o RF accessories
- o Throughput factors
- o Antennas
- o 802.11n and antennas
- o Choosing APs
- o Powering APs
- o Site survey tools



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- o Site survey preparation
- o Predictive site surveys
- o Manual site surveys
- o Site survey principles and processes
- o Quality of Service (QoS) overview
- o QoS application points
- o Roaming support
- o Bad security
- o Authentication solutions
- o Encryption solutions
- o Security best practices
- o Intrusion prevention
- o Network health status
- o Troubleshooting and validation process
- o Troubleshooting and validation tools
- o Common problems
- Requirements Analysis
- Designing for Clients and Applications
- Designing for Industry Vendor
- Selection Processes
- Radio Frequency Planning



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- WLAN Hardware Selection
- Site Surveys
- Designing for QoS
- Designing for Security
- Installation Testing, Validation and Troubleshooting
- Design Troubleshooting

The logo for Zetlan Technologies features a large, stylized, light gray letter 'Z' that is composed of several geometric shapes. To the left of the 'Z' are three light gray circles of varying sizes. Below the 'Z' is the company name 'Zetlan Technologies' in a light gray, sans-serif font.

Zetlan Technologies

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