

Building a Business Wireless Network

This real-world, intermediate network design training course prepares learners to prepare, build, and configure a wireless network within a business setting. Learners prepare to build and configure a wireless network within a business setting. All the wireless networking skills covered in this course are in a networking exam somewhere, but this course pulls them all together to show you how to plan and build a real wireless network on a real job site.

[CBT Nuggets course material](#) →

WEEK 1

Understand the Fundamentals of Wireless Network Technology 157 min.

Wireless Fundamentals Primer: Understanding Radio Frequency	16
Wireless Fundamentals Primer: SNR and Wireless Strength	16
Wireless Fundamentals Primer: How a Wireless Client Communicates	13
Wireless Fundamentals Primer: Battle of the Bands	21
Wireless Fundamentals Primer: Understanding Wireless Antennas	13

Perform a Wireless Network Site Survey

Overview	1
Project Wireless Site Survey: Quick and Dirty	21
Project Wireless Site Survey: Predictive Surveys	18
Project Site Survey: Performing an Passive Site Survey	11

Implement a Wireless Access Point (WAP)

Overview	1
Project WAPs: Selecting a WAP Vendor and Model	11
Project WAPs: Network Cabling and Connections	5
Project WAPs: Obtaining Power	8

WEEK 2

95 min.

Project WAPs: Finalizing WAP Placement	16
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Configure and Troubleshoot Wireless Networks

Overview	1
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Project Wireless Configuration: Joining WAPs to the Controller	14
Project Wireless Configuration: Configuring Wireless Networks	14
Project Wireless Configuration: Final Testing and Handoff	4
Wireless Troubleshooting: RF Spectrum Analysis Simplified	23
Point-To-Point Wireless: Bridging Buildings	21