



## Certificate of Course Completion

Cisco | Networking Academy®  
Mind Wide Open™

# Fundamentals of Wireless LANS

During the Cisco® Networking Academy course, administered by the undersigned instructor, the student was able to proficiently:

- Design a logical WLAN architecture for mobile wireless users in compliance with 802.11 IEEE standards
- Demonstrate knowledge in WLAN applications as they relate to EM spectrum, radio wave propagation, modulation techniques, and frequency and channel usage in wireless technologies
- Installation of in-building and building-to-building WLANs with Cisco devices that meet mobility and throughput specifications including the site survey and documentation
- Perform hardware setup and software configuration of Cisco Aironet APs and antennas for Ethernet/Radio ports and services
- Perform hardware setup and software configuration of Cisco Aironet equipment for Ethernet/Radio ports and services specific to the WLAN needs for Access Points, Bridges, repeaters, and Site Survey Client functionality
- Upgrade and distribute firmware on Cisco wireless products throughout a WLAN
- Identify, define features of, and install, directional and omni directional antennas in both building-to-building and in-building WLANS
- Design and setup of WLAN security using WEP, Cisco LEAP, and 802.1x protocols
- Troubleshoot WLAN performance issues using event loggings, command line utilities and diagnostic tools

Jaroslav Rab

Student

CESNET, z.s.p.o.

Academy Name

Praha 6

Location

Cerny, Martin

Instructor

July 19, 2007

Date

Instructor Signature

Regional/Local  
Cisco Networking Academy  
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