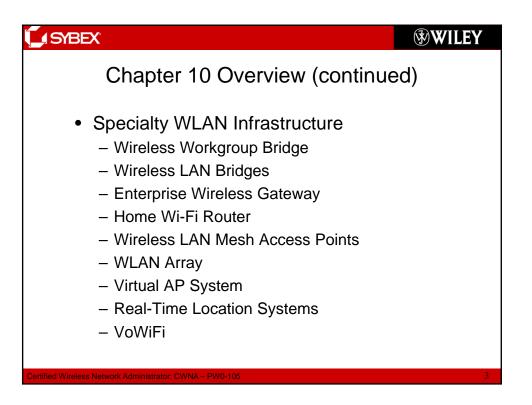
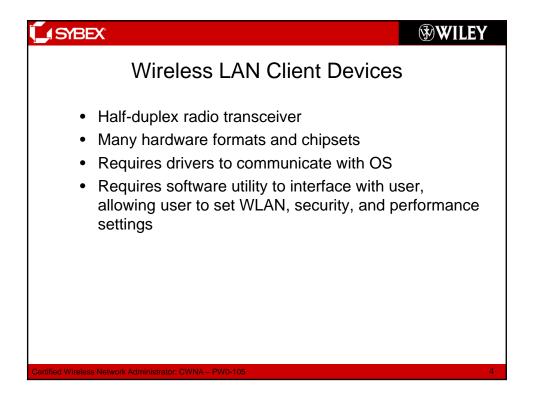
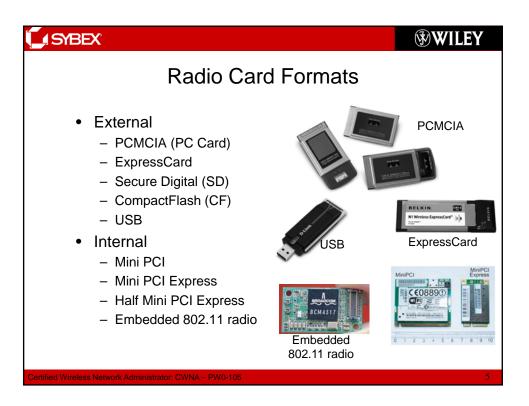


WILEY WILEY
Chapter 10 Overview
Wireless LAN client devices
 Radio Card Formats
 Radio Card Chipsets
 Client Utilities
 Management, Control, and Data Planes
WLAN Architecture
 Autonomous WLAN Architecture
 Wireless Network Management System (WNMS)
 Centralized WLAN Architecture
 Distributed WLAN Architecture
 Unified WLAN Architecture
Certified Wireless Network Administrator: CWNA – PW0-105 2



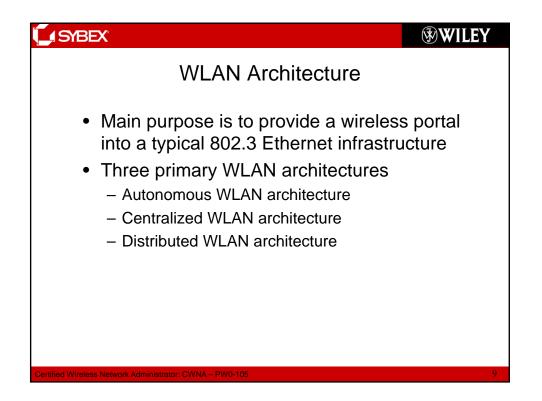


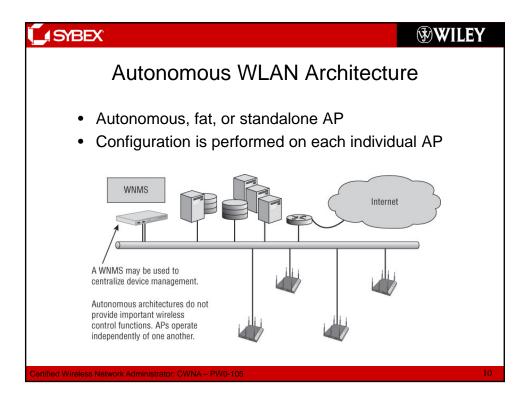


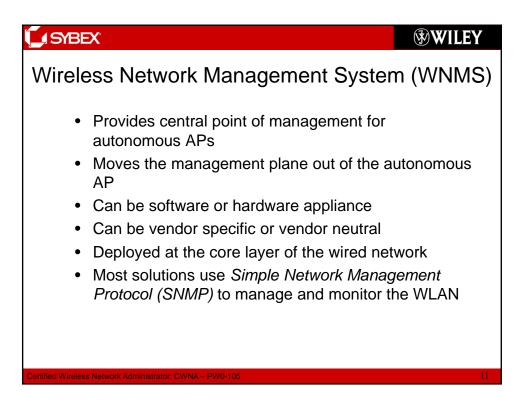
SYBEX	WILEY
Radio Card Chipsets	
 Group of integrated circuits working together a transceiver Numerous manufacturers Sold to radio card manufacterer May support 2.4 Ghz or 5 Ghz only, or both May support 802.11n HT technology or only transmission methods 	
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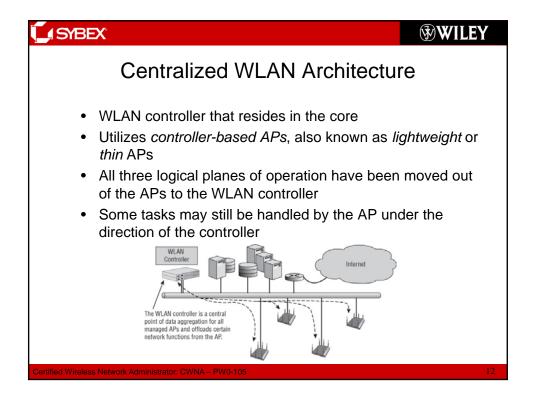
SYBEX	WILEY
Client Utilities	
 Allows configuration of wireless NIC (s SSID Transmit power Security settings WMM QoS capabilities Power management Three types of client utilities Integrated operating system client utilities Vendor specific client utilities Third-party client utilities 	
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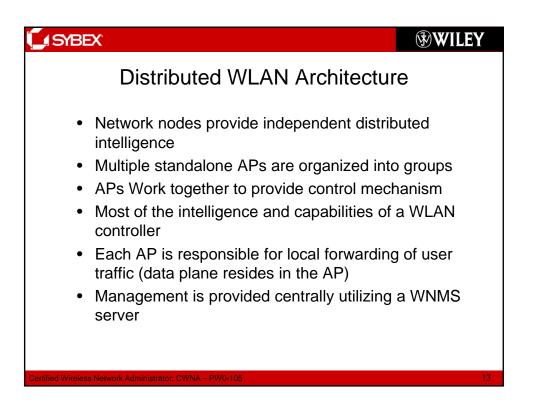
€ SYBEX ® WILEY
Management, Control, and Data Planes
 Three logical planes of operation Management – Management, administration and monitoring Control – Protocols that provide the intelligence and interaction between network equipment. Data – Also known as the user plane, where traffic is actually forwarded
 Planes may be divided between Access points WLAN controllers Wireless network management servers (WNMS)

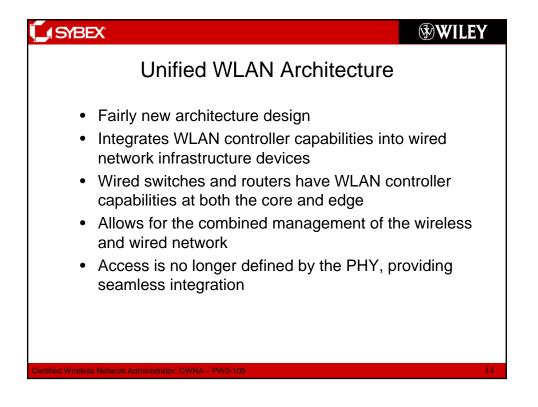


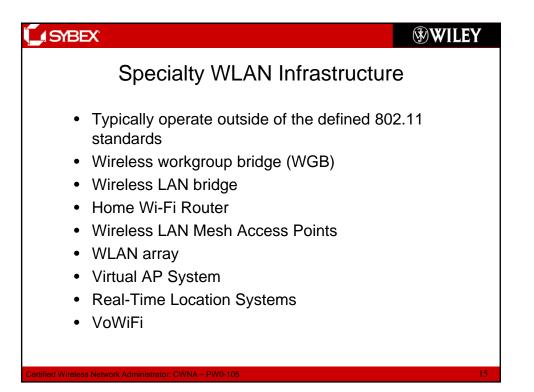


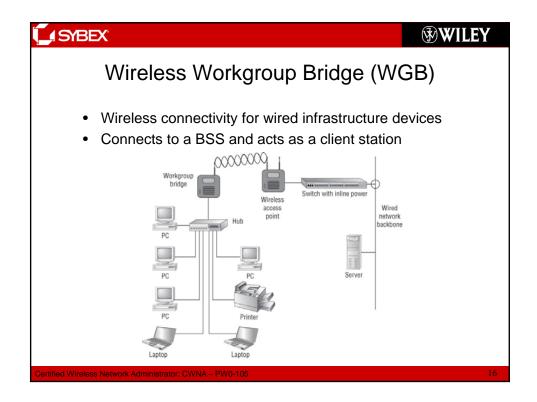


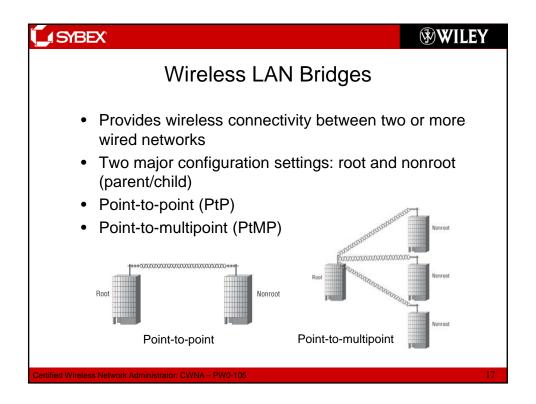




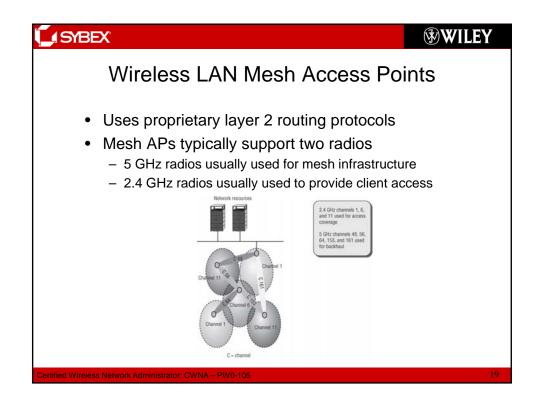




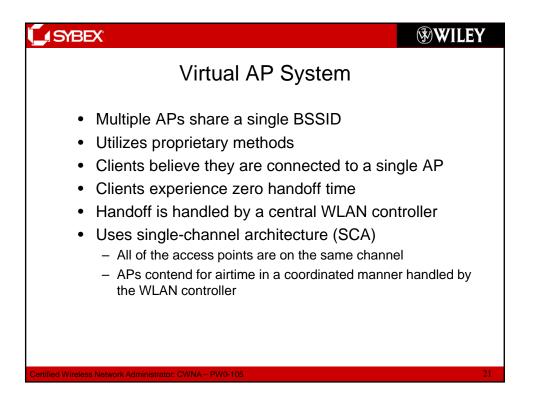




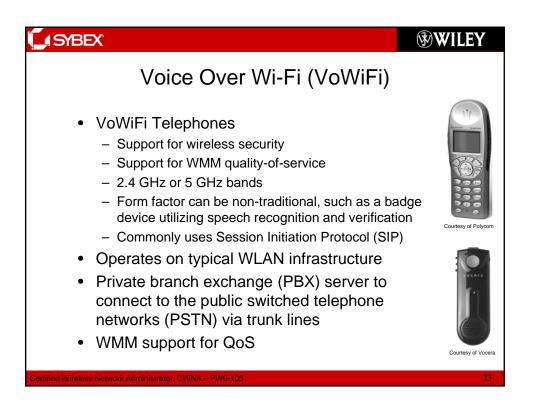
WILEY WILEY
Home Wi-Fi Router
 Provides shared wireless access to a SOHO Internet connection Provides a level of security Provides features such as Configurable 802.11 radio card Routing protocols such as RIP Network and Port Address Translation (NAT and PAT) Port forwarding Firewall L2 security (WEP, WPA-Personal and/or WPA2-Personal) DHCP Multiport Ethernet switch ports
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SYBEX	WILEY
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