

Training: Extreme Networks Extreme Access Wireless



FORM OF TRAINING	MATERIALS	PRICE	DURATION
Traditional	Digital materials	2000 USD	4 days
Traditional	CTAB Tablet	2130 USD	4 days

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING TERMS

2019-12-02 | 4 days | Warszawa

TRAINING GOALS:

Students will learn methods to properly configure and manage their Extreme Wireless WLAN environments using network management software (Extreme Management Center and the Wireless Assistant) applications. This knowledge will be reinforced through actual hands-on experience with wireless equipment in a lab environment, where students will perform real world tasks configuring access points, security parameters, filtering and privacy settings, as well managing their wireless network.

Upon completion of this course, students will have gained the working knowledge to:

- Successfully configure and manage their Wireless implementation
- Take the Extreme Wireless Specialist certification exam

Target Audience:

- This course is designed for individuals responsible for the configuration, management, maintenance, and support of the Extreme Wireless networks.

CONSPECT:

- Introduction to ExtremeWireless Solution
 - Components that comprise the ExtremeWireless solution
 - Wireless standards that are supported by the ExtremeWireless solution
 - Latest features released in the Extreme Wireless

- Configuring the Wireless Controller
 - Models and features of the Wireless Controller
 - Features of the management interface: Wireless Assistant
 - Layer 2 and Layer 3 topologies configuration of the controller
 - Other controller setup requirements: NTP and IPv6
- Wireless Controller Maintenance
 - Troubleshooting utilities available on the controller
 - Upgrade the controller software
 - Backup the controller configuration
 - Rescue mode to reset the controller
 - Choose the correct license for your controller
 - Log files and generating a tech support file
 - Obtain controller status using reports
- Access Point Configuration and Management
 - Extreme Networks Access Point products
 - Manage the APs using the wireless assistant
 - AP registration process, AP discovery process, and options of the CTP tunnel
 - Installation considerations for APs including physical placement, wired ports, LAGs and options for external antennas
- Access Point Client Management and Maintenance
 - Network access utilizing the Whitelist and Blacklist, distribute clients using load balancing and how the AP can disassociate clients
 - AP maintenance features including SSH access, methods of upgrade, obtaining traces, collecting logs and viewing inventory
- ExtremeCloud™
 - Benefits of ExtremeCloud
 - APs that can be used in the ExtremeCloud
- ExtremeManagement Integration with Wireless
 - ExtremeManagement and the ExtremeWireless Controller
 - Statistics collection for reporting and troubleshooting
 - PortView and the Search Facility
- Wireless Authentication
 - Authentication for enterprise owned devices and head-less devices
 - Parameters that control how wireless devices are authenticated on the network
 - RADIUS parameters using the Wireless Assistant
- Virtual Network Service (VNS) Configuration
 - VNS to service wireless clients

- VNS topologies
- VLAN ID and PVID values of a VNS
- How Policy Rules, Default Access Control, Class of Service and Rate Limits are used to control traffic on the network
- Virtual Network Service Client Configuration
 - Managing client traffic with policy rules, filter definitions and the various filtering actions
 - WLAN Service authentication and privacy options for clients
 - Turning on features to allow Mobile User (MU) to quickly roam: 802.11k and 802.11r (fast transition)
 - Wireless Quality of Service (QoS) mode WMM (Wi-Fi Multimedia)
 - Adjusting the client QoS packet fairness and airtime fairness with Flexible Client Access (FCA)
- HotSpot
 - Hotspot 2.0
 - Enabling and configuring Hotspot 2.0 on the Controller
- Application Visibility
 - ExtremeManagement and the ExtremeWireless Controller
 - Statistics collection for reporting and troubleshooting
 - PortView and the Search Facility
- Radar
 - How ExtremeWireless Radar operates as a WIDS/WIPS Sensor
 - AP interference and Spectrum Analysis capabilities
 - Distinguishing between the 2 types of Scanning Capabilities
- Remote Site Access Points
 - Protecting data between the AP and Controller when configuring Remote Sites
 - Using Local Services for Remote Sites
 - Differences between Sites and Zones
- Captive Portal
 - Configuring Captive Portal using the default Role
 - Different types of controller based Captive Portals
 - Captive Portal redirect at the AP
 - Variations of using external Captive Portal
 - RADIUS Attributes and their impact on authenticated Wireless LAN (WLAN) clients
- Guest Portal
 - Configuring GuestPortal using the Controller
 - Components of GuestPortal and Guest Splash
- Mobility

- Components that make up the Mobility Domain Components
- Configuring the Controllers for Mobility
- Centralized Mobility
- Availability
 - Different Availability Scenarios
 - Poll and Detect Link Failure timers
 - Limitations of the Availability Feature
- Extreme Management Center Maps
 - Importing a map
 - Editing a map
 - Location Based Services
- Mesh Networks
 - Configuration of a Mesh Network
 - Purpose and key features of the Mesh Networks
 - Differences between Dynamic Mesh and Static Mesh

REQUIREMENTS:

Students should possess an understanding of network fundamentals, traffic classifications, and general network management concepts, as well as network security concepts and technologies.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Extreme Networks.

This course prepares also for the Extreme Certified Specialist (ECS) – Access Wireless certification exam provides networking professionals with methods to properly configure, deploy, manage and troubleshoot their Extreme Networks environments.

More information about Extreme Networks certification program and available certification levels you can find on the <http://www.extremenetworks.com/education/certifications/>.

TRAINER:

Authorized Extreme Networks Trainer.