

Training: Extreme Networks ExtremeWireless Core



TRAINING TERMS

2025-03-11 | 4 days | Virtual Classroom

2025-04-08 | 4 days | Virtual Classroom

TRAINING GOALS:

This class will give the students a good technical understanding of the ExtremeWireless CORE technologies. There will also be practical, hands-on-labs, where the students will get to setup and configure this type of technology to supplement the theoretical learning.

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

- to deploy, configure and troubleshoot ExtremeWireless Core.

CONSPECT:

- Solution Overview
 - ExtremeWireless Landscape
 - WiNG at a glance
 - What's New In WiNG 7
 - 11ax Introduction
 - WPA3 Introduction
 - Dual Mode Capability
 - ExtremeWireless WiNG hardware overview
- Configuration Model
 - ExtremeWireless WiNG configuration model concepts such as RF Domain, Profile, Device overrides, WLAN and Policy
 - Final device configuration
- Mint Protocol
 - MiNT protocol link layers and link levels
 - Forming MiNT links
- AP Adoption
 - Finding a controller using L2 and L3 adoption

- Understanding and configuring L2 and L3 adoption
- Zero Touch Provisioning
 - Describing the provisioning policy
 - Provisioning policy wildcards
- Supported Deployments and Provisioning
 - Reference designs for single and central site/multi-site deployments
 - Scalability considerations
 - General best practices and common design mistakes
- Clustering
 - Clustering overview
 - Clustering setup
- Virtual Controller
 - VC overview
 - VC configuration
- Initial Configuration
 - Initial device setup
 - Resetting Aps to factory defaults
 - Configure management access settings via Management Policy
- Software Management
 - Mixed mode
 - Image types
 - Software upgrade
- Wireless LANs
 - WLAN configuration
 - WLAN forwarding modes
 - WLAN assignments, authentication methods, and encryption
 - AAA Policy
 - QoS policies and mappings
- Advanced WLAN Features
 - Configuring SMART RF
 - Using SMART RF statistics to analyse WLAN state and potential issues
 - WLAN optimization features
- Integrated Services
 - DHCP server
 - Radius server
 - Role Based Access Control (RBAC)

- Isec VPN
- Captive Portal
 - Hotspot deployment options and defining policies
 - Authentication methods used to verify user registrations
 - Enforcing authentication methods
 - User and device registration and notification methods
- Security Features
 - Stateful L2+ Distributed Firewall features
 - Firewall SPI, IP ACLs, ACLS, DOS detection, and storm control
 - Variations of Wireless IPS (WIPS)
- Mesh Features
 - MeshConnex overview
 - Opportunistic Rate Link Adaption (ORLA)
 - Configuring MeshConnex
- Troubleshooting and Remote Diagnostics
 - Troubleshooting rules and processes
 - Different levels of log messages (log file, CLI, or remote syslog)
 - Live packet capture, different capture modes, and using capture points and filters
 - Remote debugging on the captive portal
 - Opening GTAC case
- Nsight
 - Nsight overview
 - Using Nsight for monitoring and troubleshooting
- Extreme Guest
 - Extreme Guest overview and features
- Location Sensor
 - Extreme Location Sensor
 - Configuring WiNG to support Extreme Location
- What's new?
 - Recent firmware releases overview

REQUIREMENTS:

A thorough understanding of wireless networking, wired networking and associated protocols.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Extreme Networks.

This course prepares also for the Extreme Certified Specialist (ECS) - ExtremeWireless Core certification exam.

More information about Extreme Networks certification program and available certification levels you can find on the https://academy.extremenetworks.com/e_certifications/

TRAINER:

Authorized Extreme Networks Trainer.