

# Cyberoam Certified Network & Security Expert

CCNSE Certification Course is meant for CCNSP-certified professionals to advance their career. It provides them with the expertise in deploying Cyberoam security in complex scenarios for enterprise networks. Course participants will learn about advanced debugging and troubleshooting issues and deepen their understanding of Cyberoam UTM's identity-based architecture. Hands-on lab sessions allow participants to gain direct exposure to events that take place in a Cyberoam enterprise setup, product installation, integration into a network, configuration for various Cyberoam features such as anti-virus, antispam, content filtering, VPN, IPS, high availability etc. and support / troubleshooting issues.

**Duration:** 3 Days

## **Prerequisites:**

- CCNSP certified with valid certification status
- Cyberoam deployments experience with minimum 10 deployments

## **Course Outline**

### **Module-1: Cyberoam Architecture**

- Hardware Architecture
- Software Architecture

### **Module-2: Advanced and complex product deployment scenarios**

- Deployment Modes
- Web Proxy Scenarios
- VLAN Scenarios
- Asymmetric Routing Scenarios

### **Module-3: Advanced authentication and Identity Based Policies**

- Authentication Concept & Type of Authentication
- Integration with External Authentication Servers
- Clientless Single Sign On Concept & Practical
- Thin Client based Authentication Concept & Practical
- Role Based Authentication Control for Web Management

### **Module-4: Advanced concepts and configuration of various modules**

- System Management
- Firewall
- Content Filtering
- Antivirus and Antispam Configuration & Tuning IPS

## **Module-5: Advanced VPN configuration for complex deployments**

- Cyberoam VPN Features
- VPN Policies
- Advanced VPN Deployments
- VPN Failover concept & practical

## **Module-6: High Availability**

- Overview & Concept
- Active-Passive Deployment
- Active-Active Deployment

## **Module-7: Troubleshooting & Debugging**

- Traffic debugging & monitoring
- Web Proxy Debugging
- Logging via Event Viewer
- Diagnostic Tools
- Troubleshooting