CCNSP

The CCNSP Certification Course prepares individuals to recognize insider threats and user-targeted external threats while giving them expertise in networking and security fundamentals in addition to the deployment and configuration of Cyberoam identity based UTM. The course is comprehensive, yet easy to follow, with real world scenarios, Delivering practical value to aspirant security professionals.

Duration: 3 Days

Prerequisites

- ➢ Operational OS knowledge
- ➢ Basics of Networking
- ➢ Knowledge of Protocols
- ➢ HTTP, HTTPS, IMAP, POP3, SMTP
- ➢ TCP/IP Protocol Suite
- ➢ Network Security Fundamentals

Course Outline:

Module-1: Basics of Networking & Security

- ➢ Basics of Security & Unified Threat Management (UTM)
- ➢ Trends in Security
- ➢ Identity-based UTM

Module-2: Cyberoam Identity-based UTM

- ➢ Challenges with Current UTM Products
- ➢ Cyberoam's Security Approach
- ➢ Layer 8 Firewall
- ➢ Identity-based Technology

Module-3:Cyberoam Products

- ➢ Cyberoam UTM Appliances
- ➢ Basic Appliance Solution
- ➢ Subscription Based Solution
- ➢ CR 25i User Licensing
- ➢ Cyberoam Aggregated Reporting & Logging
- ➢ Cyberoam Central Console (CCC)
- ➢ Cyberoam VPN Client
- ➢ Factory Default Settings
- ➢ Deployment Modes

Module-4: Firewall

- Access Control (Local ACL)
- IP Management
- Firewall Management
- Default firewall Policies
- L2 Firewall support
- Outbound NAT (Source NAT)
- Inbound NAT (Virtual Host)
- Denial of Service (DoS)
- Cyberoam Unified Threat Control under Firewall

Module-5: User Authentication

- Local & External Authentication
- Authentication Settings
- Type of Authentication
- Single Sign On Concept
- Identity Based Policy
- Group Management
- User Management
- Identity Based Firewall
- Traffic Discovery

Module-6: Content Filter

- Basics of Content Filter
- Cyberoam Content Filter Features
- Content Filter Categories
- Content Filter Policies
- Custom Category
- Custom Denied Message
- Safe Search capability to filter Adult Content

Module-7: Gateway Anti-Virus/Anti-Spam
- Gateway Anti-Virus Features
- Basics of Virus / Spyware / Malware / Phishing
- Web Anti-Virus Configuration
- Mail Anti-Virus Configuration
- FTP Anti-Virus Configuration
- Gateway Anti-Spam Features
- Basics of Spam
- Basics of Anti-Spam Technologies
- Cyberoam RPD Technology
- Anti-Spam Policies
- Anti-Spam Rules
- Upgrade
- Reports

Module-8: Intrusion Prevention System

- IPS Basics
- Cyberoam IPS Features
- IPS Signatures
- IPS Policies
- Custom IPS Signature
- Upgrade
- Reports

Module-9: Virtual Private Network (VPN)
- Cyberoam VPN Features
- Cyberoam VPN Technology Comparison
- Cyberoam SSL VPN

Module-10: Multilink Manager

- Cyberoam Multilink – An Introduction
- Gateway Management
- Active-Active load balancing and Gateway failover
- Active-Passive Gateway Failover failover

Module-11:Routing

- Basics of Routing
- Cyberoam Routing Features
- Static Routing
- Policy Based Routing
- Source Based Routing
- Dynamic Routing
- Multicast Routing

Module-12: General Administration
- Logging Management
- Report Management
- DNS Management
- Backup – Restore
- Diagnostic Tools
- Troubleshooting Tools
- Debugging Tools