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## Cyberoam Certified Network & Security Professional



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.

CCNSP is the certification for security professionals from Cyberoam. It is the only Identity-based Security Certification available globally and given the rising criticality of insider threats in enterprises, it brings recognition to the certified professionals' expertise in Identity-based Security, adding immense value to their career. This certification 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 certification is comprehensive and easy to follow with real world scenarios, delivering practical value to security professionals

### Prerequisites

While the course does not have any pre-requisites, security professionals interested in enrolling need to be familiar with networking concepts, including network topologies, networking infrastructure and application protocols:

Operational OS knowledge

Basics of Networking

Knowledge of Protocols

- HTTP, HTTPS, IMAP, POP3, SMTP
- TCP/IP Protocol Suite

Network Security Fundamentals

Operational Familiarity with Featured Modules

- Firewall, VPN, IPS, Anti-virus, Anti-spam, Content Filtering, Bandwidth Management, Multiple Link Management, Reporting

### Who Should Attend

CCNSP has been designed for technical professionals providing support or performing deployment and administration of Cyberoam solutions, including System, Network, and Security Administrators.

### How to Become a CCNSP

CCNSP certification requires candidates to undergo the compulsory 2-day training after which they would take the exam. The exam consists of 30 dynamic questions from the question bank. The duration of the exam is 1 hour. For non-English speaking countries, it is extended to 90 minutes. A passing score of at least 70% is needed to attain the CCNSP

### Hyderabad:

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certification.

### **Certification Validity**

The CCNSP certification is valid for a period of 2 years.

### **CCNSP syllabus: 4**

#### **Basics of Networking & Security**

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

#### **Cyberoam Identity-based UTM**

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

#### **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

#### **Firewall**

- Access Control (Local ACL)
- IP Management

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- Firewall Management
- Default Firewall Rules
- L2 Firewall support
- Outbound NAT (Source NAT)
- Inbound NAT (Virtual Host)
- Denial of Service (DoS)
- Cyberoam Unified Threat Control under Firewall

### 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

### Content Filter

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

### Gateway Anti-Virus/Anti-Spam

- Gateway Anti-Virus Features
- Basics of Virus / Spyware / Malware / Phishing

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- 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

#### **Intrusion Prevention System**

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

#### **Virtual Private Network (VPN)**

- Cyberoam VPN Features
- Cyberoam VPN Technology Comparison
- Cyberoam SSL VPN

#### **Multilink Manager**

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

#### **Routing**

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

#### General Administration

- Logging Management
- Report Management
- DNS Management
- Backup – Restore
- Diagnostic Tools
- Troubleshooting Tools
- Debugging Tools

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