

## Checkpoint Security Expert R77.10

 CHECKPOINT  
CCSE  
TRAINING

Checkpoint Security Expert is an advance course for checkpoint's security gateway and Management Systems. This course provides hands on training to achieve advance skills necessary to manage and troubleshoot R77.10 checkpoint software blades including advance firewall, advance user management and clustering, advance ipsec and remote access vpn. During this course, students will perform debugs on firewall process and optimize vpn performance.

### Who should attend:

Technical Persons who support, install, deploy or administer checkpoint software blades should attend this course.

### Prerequisites:

Persons attending this course should have CCSA or equivalent knowledge including network concepts, windows server/

Linux server and experience with TCP/IP and internet.

### CCSE Syllabus:

#### Advance Firewall

- Debugging firewall Modules
- Upgrade & troubleshoot Management server
- Performing Backup of Management server
- Backup using snapshot
- Backup using cpbackup
- Backup using upgrade tools

#### Command Line Administration

- Understanding standard mode & Expert mode shells
- Running Checkpoint commands
- Accessing Firewall Directory

#### UTM Features

- Configuring Antivirus blade in checkpoint gateway
- Verifying Antivirus modules

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- Implementing content filtering
- Configuring cvp & ufp policies
- Configuring URL filtering
- Testing URL filtering

### **Advance UTM Features**

- Java & ActiveX based attacks
- Implementing Java & activeX blocking
- Configuring Application control
- Using smart event intro for analyzing application traffic

### **IDS/IPS**

- Configuring IPS blade
- Updating IPS signatures
- Configuring IPS policies
- Customizing IPS profiles
- Implementing location based restrictions
- Verifying IPS

### **QOS**

- Understanding Checkpoint QOS architecture
- Enabling QOS blade
- Bandwidth Monitoring using QOS
- Segregate Bandwidth to different networks
- Writing QOS policies in rulebase

### **CLUSTERING**

- Building clusterXL for loadbalancing
- Adding gateways into cluster
- Verify Load balancing
  
- Bulding clusterXL for High Availabilty
- Deploying HA on an Enterprise network
- Verifying HA using smartview monitor
- Management sever Clustering

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- Management server recovery

Firewall Learning Solutions

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