



Check Point Security Expert R70



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Course

Length	5 days* (recommended)	
Prerequisites	Check Point Security Administration R70, or equivalent knowledge and experience	
Take this class if	<ul style="list-style-type: none"> You are a systems administrator, security manager, or network engineer who deploys R70 Security Gateway deployments on open servers, IP appliances, UTM-1 appliances, or Power-1 appliances. Want to earn Check Point Certified Security Expert (CCSE) R70 certification 	
<p>The Check Point Security Expert course provides an understanding of advanced concepts and skills necessary to configure Check Point Security Gateway and Management Software Blades. During this course, you will process a Change Request, implement Provisioning, and configure SSL VPN remote access. In addition, you will deploy HA, and configure your network for advanced routing features such as VTIs, while employing the Eventia suite for advanced reporting and monitoring options.</p>		<ul style="list-style-type: none"> More details Table of Contents Sample Chapter Courseware Objectives
You will learn	<ul style="list-style-type: none"> Define Management Portal aides Extend access to network policy settings Use SmartWorkflow to track, approve and audit Security Policy changes Assess policy life-cycle and change management Use SmartProvisioning as a centralized management tool Define SmartProvisioning deployment and management scenarios Use profile-based management Identify SSL VPN roles Assess security acceleration requirements Assess multi-core CPU with SecureXL benefits Identify High Availability limitations Set up multiple Security Gateway cluster configurations Use Advanced Routing protocols Apply Load Balancing configurations 	

	<ul style="list-style-type: none"> ┆ Produce network-traffic audit reports ┆ Apply intrusion event analysis ┆ Monitor and analyze alerts to track and identify network intrusions
<p>Exercises</p>	<ul style="list-style-type: none"> ┆ Lab Environment Setup <ul style="list-style-type: none"> ┆ Build the Management Server ┆ Build Gateways ┆ Install and configure NTP ┆ Upgrade to R70.1 ┆ Establish SIC ┆ Management Portal <ul style="list-style-type: none"> ┆ Configure Management Portal on corporate site ┆ Test Management Portal access ┆ Configure Management Portal access on partner site ┆ Test Management Portal ┆ SmartWorkflow <ul style="list-style-type: none"> ┆ Create New Administrators ┆ Configure SmartWorkflow ┆ Open and Submit a Session for Approval ┆ Disapprove the Session and Request a Modification ┆ Approve the Session and Install the Policy ┆ Disable SmartWorkflow ┆ SmartProvisioning <ul style="list-style-type: none"> ┆ Enable SmartProvisioning ┆ Create New Profile ┆ Assign Profile to Gateways ┆ Verify Profile Changes ┆ SSL VPN <ul style="list-style-type: none"> ┆ Configure Connectra R66 Gateway ┆ Enable Connectra Gateway in SmartDashboard ┆ Create a file-share application in the SSL VPN tab ┆ Create an Internal User ┆ Assign file-share access to User Group ┆ Update Rule Base for DMZ traffic ┆ Verify file-share access through the User Portal ┆ Configure embedded RDP ┆ Shutdown and remove Connectra Server ┆ SecureXL <ul style="list-style-type: none"> ┆ Enable and Configure SecureXL on the Gateway ┆ Open connections and verify acceleration ┆ Deploying New Mode HA <ul style="list-style-type: none"> ┆ Create and configure a secondary cluster member ┆ Configure Gateway-Cluster object ┆ Configure ClusterXL properties ┆ Modify the Rule Base ┆ Pass traffic through the cluster ┆ Observe cluster status in SmartView Monitor ┆ Perform test failovers ┆ Load Sharing Modes <ul style="list-style-type: none"> ┆ Configure Load Sharing Unicast mode

- i Test Load Sharing Unicast mode
 - i Configure Load Sharing Multicast mode
 - i Test Load Sharing Multicast mode
- i **VPN with Sticky Decision Function**
 - i Configure VPN in a Cluster
 - i View a packet capture of FTP connections without Sticky Decision function
 - i View a packet capture of FTP connections with Sticky Decision function
- i **Configure Check Point QoS Policy**
 - i Enable and Configure Check Point QoS
 - i Create Check Point QoS Rules and adjust Rule weights
 - i Verify and install Policy
 - i Test QoS Policy
- i **Route-based VPNs with Static Routes**
 - i Configure Gateway and VPN Community objects
 - i Add participating Gateway to Community
 - i Configure VTI's on participating Gateways
 - i Add Static Routes for internal networks
- i **Eventia Analyzer**
 - i Install the Eventia Suite on CG_Corporate
 - i Configure the network object in SmartDashboard
 - i Configure Eventia
 - i Monitor events with Eventia

Check Point Security Expert R70

CCSE R70 certification validates a Security Administrator's ability to apply advanced the concepts and skills to configure and optimize Check Point Security Gateway and Management Software Blades. The CCSE R70 exam is for those who have already achieved CCSA R70 certification. Proficiencies include implementing Provisioning, deploying new mode HA, configuring ClusterXL, and advanced networking and reporting. More information on specific topics, skills, and competencies covered by CCSE R70 certification is available in the course and exam details.

Exam:

#156-315.70

Course:

Check Point Security Expert R70

Products:

VPN-1, SmartCenter, SmartConsole, IPS

Competencies:

SmartWorkflow change request, Provisioning, SSL VPN, HA, IPS Event analysis, advanced networking and routing, advanced Eventia reporting and monitoring

Exam: 156-315.70

Course:

Check Point Security Expert R70

Prepares you for Certifications:

CCSE R70

Passing exam #156-315.70 earns you "Check Point Certified Security Expert R70 (CCSE R70)" certification.

Objectives	
	<ul style="list-style-type: none"> Management Portal <ul style="list-style-type: none"> Configure Administrative access to the Security Management server from an offsite machine to facilitate remote management of corporate Security Gateways SmartWorkflow <ul style="list-style-type: none"> Process a change request based on an organization's existing management infrastructure Provisioning <ul style="list-style-type: none"> Determine and implement the appropriate Provisioning deployment scenario based on corporate requirements Modify different properties on remote Gateways (i.e., DNS, Networking) per corporate requirements SSL VPN <ul style="list-style-type: none"> Configure applications for SSL VPN remote access based on corporate and user requirements Acceleration <ul style="list-style-type: none"> Configure and verify that traffic throughput is enhanced using SecureXL on a SecurePlatform Pro Security Gateway HA <ul style="list-style-type: none"> Deploy New Mode HA on a new cluster member Clustering <ul style="list-style-type: none"> Configure ClusterXL in a corporate network Create and install IPS policies Advanced Networking – Routing <ul style="list-style-type: none"> Configure VPN in a clustered environment, and demonstrate VPN failover Configure and test VPN Tunnel Interfaces (VTIs) for a clustered environment Advanced Networking – Load Balancing <ul style="list-style-type: none"> Configure Load Sharing Unicast (Pivot) and Multicast Mode on a cluster member Advanced Networking – QoS <ul style="list-style-type: none"> Configure the best QoS configuration using the Advanced Networking Software Blade for your corporate environment, and verify the Policy Reporting <ul style="list-style-type: none"> Given logged data, produce reports by viewing the consolidation policy, creating a consolidation session, and changing a predefined report that provides an audit of network traffic Install and configure the Eventia Suite to chart events

	<p>and correlate logs into meaningful data</p> <ul style="list-style-type: none">▮ IPS Event Analysis<ul style="list-style-type: none">▮ Monitor and analyze alerts to track and identify network intrusions▮ Based on reports, modify the IPS Policy to improve system bandwidth and protections▮ VPN Issues<ul style="list-style-type: none">▮ Detect VPN Integrity Issues
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*Course length and price may vary by ATC. Please contact your local ATC for detailed information.

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