

## CCCS-A Certified Cloud Specialist-Administrator

### Who Should Attend?

Technical professionals who support, install, deploy, or administer Check Point products in Cloud Environments.

### Course goal

Learn basic concepts and develop skills necessary to administer Check Point CloudGuard security solutions.

### Prerequisites

Working knowledge of Cloud Native Deployment using Microsoft Azure and Amazon Web Services, TCP/IP Networking, and Check Point Security Products.

Check Point recommends that students who wish to expand their knowledge participate in the CCSA and CCSE courses.

### Course Length

2 Days

### Course Topics

- Introduction to Cloud Security
- Introducing CloudGuard
- CloudGuard Architectures
- CloudGuard Security Policy
- CloudGuard Automation
- CloudGuard Troubleshooting
- Introduction to Cloud Security Posture Management

### Course Objectives

- Explain the nature of the cloud environment.
- Describe the five pillars of cloud architecture.
- Explain the Basics of Cloud Infrastructure.
- Explain the Basics of Cloud Automation.



- Explain Check Point Security Management and how it applies to CloudGuard.
- Describe CloudGuard Security Gateway offerings.
- Describe Cloud Load Balancers.
- Explain CloudGuard Licensing.
- Explain the different Deployment options and architectures for CloudGuard.
- Explain how and why CloudGuard is automated.
- Describe the functions of CloudGuard that can be automated.
- Describe the tools used to automate CloudGuard.
- Explain CloudGuard Automation Requirements.
- Explain basic troubleshooting techniques specific to Check Point Security Management Servers and Security Gateways.
- Describe the steps for Troubleshooting CloudGuard Network Installation.
- Explain the tools and techniques used to troubleshoot CloudGuard Network Automation.
- Explain the need for Cloud Security Posture Management.
- Describe the posture management tools available in CloudGuard.
- Explain methods for correcting Cloud Security Posture Management issues.

### Exercises

- Deploy a Security Management Server in the Cloud.
- Install a Security Gateway Image.
- Create Virtual Networks.
- Deploy Internal and External Load Balancers.
- Deploy a Security Gateway Using Templates.
- Assign Public IP Addresses to Cloud Devices
- Create Web Servers in the Cloud.
- Configure North-South Traffic Policy.
- Configure East-West Traffic Policy and Routes.
- Troubleshoot North-South Traffic Issues.
- Troubleshoot East-West Traffic Issues.

### Certification Information

Exam #156-560 Check Point Certified Cloud Specialist – Administrator (CCCS)

