

Course Outline



Course Name: Check Point Deployment Administration R82

Course Code: CP-CPDA

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
3 Days	Administrator	Check Point Quantum Security	VITL/In Class	IGS

Introduction

This 2-day course equips individuals with essential knowledge and hands-on skills to deploy and manage a Check Point Quantum Security Environment. Participants will learn to install and configure key components, including SmartConsole, the Gaia Operating System, a Security Management Server, and Security Gateway. The course also covers building security policies, deploying Gateway Clusters, configuring dedicated Log Servers, conducting system maintenance, and efficiently importing objects and rules in batch processes.

Target Audience

This course is ideal for technical professionals, including Deployment Administrators, Security Administrators and Security Consultants, who are responsible for deploying, configuring, and maintaining Check Point Quantum Security environments. It covers the installation and basic configuration of SmartConsole, Security Management Servers, Security Gateways, clustered environments, log servers, and related maintenance tasks.

NIST/NICE

Work Role Categories:

- Implementation and Operation (IO)

Prerequisites

Base knowledge required:

- Unix-like and/or Windows operating systems
- Internet fundamentals
- Network fundamentals
- Network security
- TCP/IP networking
- System Administration
- Text Editors in Unix-like OS

Course Objectives

After completing this course, students will be able to:

Identify features and capabilities that enhance the configuration and management of the Security Policy.

Understand and apply the basic workflow, guidelines, and best practices for Security Gateway Cluster deployment.

Understand and apply the basic workflow, guidelines, and best practices for deploying a dedicated Log Server.

Create a basic security policy and deploy it to the environment.

Perform maintenance tasks related to the Security Gateway and associated management components.

Gain practical experience in deploying and managing new R82 features (such as ElasticXL for clustering, enhanced HTTPS inspection, AI-powered administration capabilities, and more)

Course Content

Topics

- Introduction to Quantum Security
- Quantum Security Architecture
- Primary Security Management Server Deployment
- Security Gateway Deployment
- Policy Fundamentals
- Security Gateway Cluster Deployment
- Dedicated Log Server Deployment
- Maintenance Fundamentals
- Batch Import of Security Environment Components

Lab Exercises:

- Deploy a Security Management Server (Azure)
 - Verify the Check Point Hosts
 - Document the Network Environment
 - Verify the A-GUI Client Host
 - Install the Gaia Operating System
 - Configure the Primary Security Management Server
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- Deploy SmartConsole
- Run the First Time Wizard on the Security Gateway
- Create a Security Gateway Object
- Test SIC and Install Licenses
- Create an Access Control Policy Package
- Add and Modify a Rule in the Access Control Policy
- Reconfigure the Security Environment
- Configure Cluster Members as Security Gateways
- Configure Cluster Member Interfaces
- Add Members to the Clusters
- Add Licenses to the Cluster Members
- Configure a dedicated Log Server
- Add a dedicated Log Server
- Collect and Download System Backups
- Collect and Download Snapshots
- Import and Create Host Objects
- Import and Create Network Objects
- Import and Create Group Objects
- Import and Create Access Control Rules
- Deploy a Security Management Server (AWS)
- Deploy Azure VMSS
- Deploy AWS EC2 Auto Scaling
- Create Azure High Availability
- Create an AWS Cluster
- Create Adaptive Security Policy (Azure)
- Create Adaptive Security Policy (AWS)
- Troubleshoot CloudGuard Network Security

ASSOCIATED CERTIFICATIONS & EXAM

There is no Certifications or Exam for this course.