

COURSE OUTLINE

CKPT 210

Management I of the Virtual Private Network (VPN)-1 and FireWall-1 - NG 3 Semester Hours

HOWARD COMMUNITY COLLEGE

Description

This course provides the knowledge required by system administrators, security managers and network engineers who manage Check Point VPN-1/FireWall-1 Gateway deployments. This course covers the basic steps involved in configuring an Internet firewall and provides hands-on training to manage a FireWall-1 installation. It is intended to prepare students to take the Check Point Certified Security Administrator (CCSA) NG certification exam number 156-210. Prerequisite: MSFT-299.

Overall Course Objectives

Upon completion of this course, the student will be able to:

- Deploy VPN-1/FireWall-1 architecture modules and components.
- Define a security policy using the VPN-1/FireWall-1 Security Dashboard, incorporating the Visual Policy Editor.
- Deploy and manage distributed security gateways, using Check Point's SecureUpdate and Secure Internal Communications (SIC) capabilities.
- Administer and troubleshoot the VPN-1/FireWall-1 security policies.
- Implement network address translation (NAT).
- Install user authentication in a VPN-1/FireWall-1 environment.

Major Topics

- Module 1: VPN-1/FireWall NG Architecture
- Module 2: Security Policy Rule Base and Properties Set Up
- Module 3: Working with the Security Policy
- Module 4: Log Viewer and System Status
- Module 5: User Authentication and Authentication Parameters
- Module 6: Client and Session Authentication
- Module 7: Network Address Translation (NAT)
- Module 8: Protecting Installation with Backups

Course Requirements

Grading/Exams: Grading procedures will be determined by the individual faculty member but will include the following: two exams and one lab activity.

Other Course Information

This course is intended for students who wish to become a Check Point Certified Security Administrator (CCSA) NG.