

Check Point Provider-1 NGX

- Course Objectives

- Course Layout

 - Check Point Provider-1 Course Prerequisites

- Course Map

- Lab Setup

- Lab Topology

 - IP Addresses and Classroom Configuration

 - Course and Lab Terminology

Provider-1 Deployment

- Objectives

- Key Terms

- Provider-1 Overview

 - Managed Service Providers

 - Data Centers

 - Enterprises

 - Check Point's Solution

 - Example MSP Deployment

 - Example Enterprise Deployment

- Multi-Domain GUI

- Multi-Domain Server

 - Types of MDS

 - Customer Management Add-Ons

 - Communication between CMA and Security Gateway

 - Multi-Domain Log Modules

 - Check Point Management Infrastructure

 - OPSEC Support

- Remote Security Gateway

 - Provider-1 Communication

 - Security Gateway Deployment

- Basic Provider-1 NGX Configuration

- Point-of-Presence Provider-1 NGX Configuration

- NOC Security

 - FireWall-1 Control Connections

- Log Management

 - Customer Log Module Configuration

 - Multi-Domain Log Module Configuration

- Benefits of Provider-1 NGX

 - Centralized Management

 - Customer Security

 - Product Scalability

 - Multilevel High Availability

- Review

 - Summary

 - Review Questions

 - Review Questions and Answers

MDS Installation and Configuration

- Objectives

- Key Terms

- Choosing the Type of MDS

 - Multi-Domain Server - Manager

 - Multi-Domain Server- Container

 - Multi-Domain Server as Multi-Domain Log Module

- Licensing Provider-1/SiteManager-1

- The Trial Period
- Considerations
- License Details
- Replacing the Trial Period License
- Upgrading Licenses

Provider-1/Site Manager System Requirements

- Minimum Hardware Requirements for Provider-1/SiteManager-1 MDS
- Minimum Hardware Requirements for Provider-1/SiteManager-1 MDG
- Minimum Hardware Requirements for SmartConsole
- Software Requirements
- SecurePlatform Appliances
- IP Allocation and Routing

Lab 1: Installing and Configuring the Primary MDS Station

Command Line and File Structure

- MDS and CMA Command Line Options
- Customer Management Add-On Commands

Review

- Review Questions
- Review Questions and Answers

Overview of the Multi-Domain GUI

- Objectives
- Key Term

Installing GUI Clients

Lab 2: Installing the MDG

Lab 3: Configuring the CMA

Lab 4: Establishing Communication with Remote Security Gateways

Multi-Domain GUI Functionality

Navigating the MDG

Selection Bar

- Provider-1 Administrative Views
- Provider-1 Administrative Modes

Provider-1 Properties

- Custom Commands
- Global Names Format
- Customer Fields
- Module Fields
- Global Policies

General View

- Customer Contents Mode
- MDS Contents Mode
- Network Objects Mode
- General Toolbar Buttons

Lab 5: Setting the Provider-1 NGX Properties

Lab 6: Using the MDG to Create Basic NGX Rules

Global Policy View

- Security Policies Mode
- VPN Communities Mode
- Global Policies Toolbar Buttons

Administrators View

- Administrators Toolbar Buttons

Lab 7: Creating Administrators

GUI Clients View

- GUI Clients Toolbar Buttons

Lab 8: Creating GUI Clients

SmartUpdate View

SmartUpdate Toolbar Buttons

Lab 9: Remote Product Installation

High Availability View

Customer Contents Mode

MDS Contents Mode

High Availability Toolbar Buttons

Connected Administrators View

Connected Administrators Toolbar Buttons

Lab 10: Disconnecting GUI Clients

Review

Review Questions

Review Questions and Answers

NOC Firewall Installation and Configuration

Objectives

Key Terms

Network Operations Center Security

MDG Communication

Enhancing NOC Security

Lab 11: Setting Up a NOC Firewall for Control Connections

Rule Base Configuration

Review

Review Questions

Review Questions and Answers

Provider-1 Logging Features

Objectives

Key Terms

Log Management

Customer Log Module

Multi-Domain Log Module System

MLM Deployment

Using Eventia Reporter

Lab 12: MDS MLM Installation and Configuration

Review

Review Questions

Review Questions and Answers

Assigning Global Policies

Objectives

Key Terms

Global Policy

Global Policy Rules

Global Objects

Global Services

Global Policy Database

Customer History

Global SmartDefense

Configuring SmartDefense in Global SmartDashboard

Subscribing a Customer to the Global SmartDefense Service

Modifying SmartDefense from the SmartDashboard of a CMA

Lab 13: Creating and Assigning a Global Policy

Creating Global Objects and Rules

Global VPNs

Configuring a Global VPN

Global VPN Communities

Lab 14: Defining a Global VPN

Review

Review Questions

Review Questions and Answers

Advanced MDS Functions

Objectives

Key Terms

Migrating Existing Management Servers into Provider-1

Lab 15: Migrating a Remote Management Server into an Existing Customer Database

MDS High Availability Features

Methodology of MDS Synchronization

MDS Synchronization

Lab 16: Configuring a Second MDS Manager for High Availability

SmartCenter Server HA of a CMA

MDS Clock Synchronization

Lab 17: Mirroring an Existing MDS

Backing Up a CMA

Lab 18: Selectively Backing Up a CMA

Lab 19: Using a SmartCenter Server to Backup a Provider-1 NGX CMA

MDS Archiving Utilities

Archiving Scripts

Lab 20: Archiving MDS Information

Restoring the MDS

Using the mds_restore command

Lab 21: Restoring MDS Information

Review

Review Questions

Review Questions and Answers