NETWORK AND SECURITY MANAGER FUNDAMENTALS
DURATION: 2 DAYS

COURSE OVERVIEW

This two-day course discusses the basic operations of Network and Security Manager. Key topics include server and domain administration, device configuration, template creation and management, policy creation and management, logging, and report generation. Through demonstrations and hands-on labs, students gain experience in configuring, testing, and troubleshooting features of Network and Security Manager. This is an introductory-level course.

TARGET AUDIENCE

This course is intended for network engineers, network support personnel, reseller support personnel, and anyone else needing a working knowledge of Network and Security Manager.

COURSE OBJECTIVES

1. **After successfully completing this course, you should be able to:**
2. Explain Network and Security Manager concepts and terminology;
3. Set up and administer Network and Security Manager servers;
4. Configure domains and administrators;
5. Add devices using modeling and importing;
6. Work with objects and templates;
7. Configure policies;
8. Perform routine device management tasks;
9. Work with logs and reports; and
10. Configure VPNs with the VPN Manager tool.

COURSE CONTENT

Chapter 1: Course Introduction

Chapter 2: Network and Security Manager Concepts

The Role of Network and Security Manager

ARCHITECTURE AND COMMUNICATION

Chapter 3: Server Administration

Network and Security Manager Processes and Directory Structure

High Availability

Installation Overview–Network and Security Manager

Installation Overview–NSMXpress

NSM UI Installation

NSM UI Overview

Licensing

Chapter 4: Domains and Administrators

Domains and Subdomains

Role-Based Administration

Configuration

Lab 1: Domains, Roles, and Administrators

Chapter 5: Adding Devices

Scenarios and Methods

Device Exists

Device Does Not Yet Exist

VSYS, Cluster, Extranet, Group

Add Device Wizard

Automatic Discovery

Lab 2: Adding Devices

Chapter 6: Abstraction–Objects and Templates

Objects

Templates

Lab 3: Abstraction–Objects and Templates

Chapter 7: Abstraction–Policies

What Is a Policy?

Creating New Policies

Merging Policies

Lab 4: Creating Policies

Chapter 8: Managing Devices

Directives

Configuring Devices

Configuration Management

Device Management

Lab 5: Managing Devices

Chapter 9: Logging, Reporting, and Monitoring

Logging

Reporting

Action Manager

Monitoring

Lab 6: Logging and Reporting

Chapter 10: Central Manager

Central Manager

Global Policy and Polymorphic Objects

Chapter 11: Virtual Private Networks

Concepts and Terminology

Device-Level VPNs Versus VPN Manager

Configuring Policy-Based VPNs

Configuring Route-Based VPNs

Configuring Auto-Connect VPNs

Configuring VPNs with Extranet Devices

Lab 7: VPNs

COURSE PREREQUISITES

This course assumes that students have basic networking knowledge and experience in the following areas:

1. JUNOS or Screen OS;
2. Ethernet;
3. TCP/IP; and
4. Routing.