



EDUCATION SERVICES

AUTHORIZED PARTNER

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## SECURITY MANAGER FUNDAMENTALS

**Course No:** EDU-JUN-NSMF

**Length:** Two 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.

### Objectives

After successfully completing this course, you should be able to:

- Explain Security Manager concepts and terminology.
- Set up and administer Security Manager servers.
- Configure domains and administrators.
- Add devices using modeling and importing.
- Work with objects and templates.
- Configure policies.
- Perform routine device management tasks.
- Work with logs and reports.
- Generate statistical reports using the Statistical Report Server.
- Configure VPNs with the VPN Manager tool.

### Intended Audience

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

### Course Level

This is an introductory-level course.

### Prerequisites

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

- Ethernet;
- TCP/IP; and
- Routing.

- More Information at <http://www.nexuminc.com/training/juniper/nsmf> -



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## Course Contents

### *Day 1*

#### **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

### *Day 2*

#### **Chapter 7: Abstraction–Policies**

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- 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