Network and Security Manager Fundamentals

Duration: 2 Days   Course Code: NSMF

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.

Objectives:

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

- Explain Network and Security Manager concepts and terminology;

- Set up and administer Network and 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; and

- Configure VPNs with the VPN Manager tool.

Prerequisites:

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

- JUNOS or ScreenOS;
- Ethernet;
- TCP/IP; and
- Routing.

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

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

training@globalknowledge.com.eg

www.globalknowledge.com.eg

Global Knowledge, 16 Moustafa Refaat St. Block 1137, Sheraton Buildings, Heliopolis, Cairo