

# SMF

## Security Manager Fundamentals

The Security Manager constitutes an efficient management system for Juniper Firewalls. With the help of numerous hands-on exercises, the course at hand deals with the configuration and operation of the Security Manager, as well as troubleshooting. Moreover, it teaches the use of the most important features of the Security Manager.

### Course Contents

- Concept of the Security Manager
- Server Administration
- Domain Administration
- Configuration of Devices
- Abstractions
- Objects and Templates
- Policies
- Device Management
- Logging and Reporting
- SRS
- VPN Manager

Detailed Table of Content

In this course, each participant will receive the original Juniper Networks course documentation in English language.

### Target Group

Administrators and technicians who want to configure and operate the Security Manager or wish to configure and operate Juniper Firewalls with the Security Manager should attend this course.

### Knowledge Prerequisites

Profound basic networking know-how in the TCP/IP environment is required.

### Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On [www.experteach-benelux.com](http://www.experteach-benelux.com) under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +31 (0)76 52 32 950.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



2 days

€ 1,390 exclusive of V.A.T.

### Course date (dd.mm.yy)/Location

Course dates available on request

Up-to-date information: [www.experteach-benelux.com](http://www.experteach-benelux.com)

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## SMF – Security Manager Fundamentals

Day one

### Introduction

#### Security Manager Concepts

- Define Security Manager terms
- Describe Security Manager architecture components
- Explain Security Manager communications

#### Server Administration

- List Security Manager daemons and describe their functionality
- Describe Security Manager directory structure and files
- Describe HA functionality and options
- Use daemon commands to validate process operations

#### Domains and Administrators

- Explain domain and sub-domains
- Explain role-based administration
- Configure subdomains and custom administrator roles
- Configure administration authentication options

#### Adding Devices

- Describe why/how to add a device to a domain
- List and describe methods to add devices
- Add devices to domain

#### Abstractions: Objects and Templates

- Explain the concept of objects
- List different types of objects available in Security Manager
- Configure commonly-used objects
- List the benefits of using templates
- List elements that should not be configured via templates
- Create and apply templates
- Work with template overrides

- Run and customize the built in reports
- Use Action Manager

#### Statistical Report Server

- Describe the SRS architecture
- Configure admin console to communicate with the GUI Server and Device Server
- Set up users and user groups
- Set up devices and device groups
- Use the Web UI to generate reports
- Manage the database

#### VPNs

- Describe Policy-based and Route-based VPNs
- Describe Security Manager VPN Concepts
- Describe 2 methods for configuring VPNs within Security Manager

Day Two

### Policies

- Describe components of a Security Manager policy
- Create policies for firewall and IDP devices
- Discuss best practices for policy import/merge/management

### Managing Devices

- Manage configurations between Security Manager and managed devices
- Perform routine device management tasks
- Logging and Reporting
- Discuss the logging and reporting capabilities of Security Manager
- Create custom log views
- Export log data for use in external reporting systems
- Use the Log Investigator to summarize attack information



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