

## Integrating Juniper Networks Firewalls and VPNs into High-Performance Networks

Complex networks with dynamic routing, multicast and load sharing functions may entail considerable challenges for the installation of firewalls. Redundancy and quality of service are demands which are increasingly being made on firewall systems, as well. The course at hand deals with the required measures in the form of hands-on exercises and presentations.

### Course Contents

- A Short Review on ScreenOS
- OSPF
- BGP-4
- Advanced Methods with Static Routes
- Source-Based Routing
- Policy-Based Routing
- Multicasts
- NSRP
- Redundancy: Active/Passive
- Load Sharing: Active/Active
- NSRP and Dynamic Routing
- Virtual Systems
- Quality of Service

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 use Juniper Firewalls in complex and dynamic networks are prepared for this task in the course at hand.

### Knowledge Prerequisites

Good know-how of the handling of ScreenOS is a prerequisite. It is therefore necessary to visit the CJFV-Configuring Juniper Networks Firewall/IPSec VPN Products course prior to attending the course at hand. Moreover, profound knowledge of the routing protocols discussed in the course is mandatory.



### 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!



**3 days** €1,790 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) IFVH



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Day One:

**Introduction**

**ScreenOS Review**

- Review key ScreenOS configuration, including L3 operations and basic policy
- Review troubleshooting commands and procedures

**OSPF**

- OSPF Operations
- OSPF Config
- Verifying Operations
- Route Redistribution
- Summarization

**BGP**

- BGP Operations
- EBGP Configuration
- Verifying Operations
- IBGP Configuration
- BGP Connectivity

Day Two

**Advanced Static Routing**

- Source-Based Routing
- Policy-Based Routing
- Advanced Destination Routing

**Multicast**

- IGMP Operations
- IGMP Configuration
- PIM-SM Operations
- PIM-SM Configuration

**Virtual Systems**

- VSYS Operations
- VSYS Configuration -interface classification
- Verifying Operations
- VSYS Configuration - IP Classification
- VSYS Configuration - Transparent Mode

Day Three

**NSRP**

- NSRP Operations
- NSRP Active/Passive Configuration
- NSRP Active/Active Configuration
- NSRP and VSYS
- NSRP and Dynamic Routing

**Traffic Shaping**

- Priority Queuing
- Ingress Policing
- DSCP Marking and Shaping



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Status 21.12.2011