



## JUNIPER (ScreenOS, NetScreen, SSG, ISG) FIREWALL/VPN



### Integrating Juniper Firewalls & VPN's into High-Performance Networks (IFVH)

#### Course Overview

This three-day course focuses on the ScreenOS features that are typically required in large-scale networks, including dynamic routing, virtual systems, traffic shaping, and high availability. Upon completing this course, a student should be able to return to work and successfully install, configure, and verify that a ScreenOS-based device is interoperating in the network as desired. Through demonstrations and hands-on labs, students gain experience in configuring, testing, and troubleshooting these advanced features of ScreenOS

#### Target audience

Network engineers, support personnel, and reseller support.

#### Course Level

Intermediate

#### Prerequisites

Students should:

- have general networking knowledge including Ethernet, TCP/IP and routing concepts.

Students should attend the following courses:

- CJFV
- NSMF

#### 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



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## 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

**Cost AUD \$2,099 inc. GST**

For Available Dates & Terms and Conditions see:  
[www.crystalecho.com](http://www.crystalecho.com)

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