



Course Description INSG 5.0

Implementing NetScreen Security Gateway

Introduction to NetScreen Security Gateways (INSG) is the first course in the ScreenOS curriculum. It is a four-day instructor-led course that focuses on configuration of the NetScreen Firewall/VPN products in a variety of situations, including basic administrative access, routing, firewall policies and policy options, attack prevention features, address translation, and VPN implementations.

The course combines both lecture and labs, with significant time allocated for hands-on experience. Students completing this course should be confident in their ability to configure NetScreen Firewall/VPN products in a wide range of installations.

Target audience

Network engineers, support personnel, reseller support, and others responsible for implementing NetScreen products.

Prerequisites

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

- Ethernet
- Transparent Bridging
- TCP/IP Operations
- IP Addressing
- Routing

Course Contents

Security Concepts and Architecture

- Device functionality
- System architecture - interfaces, zones, virtual routers, virtual systems
- Device deployment

Administration

- Remote connectivity
- Securing administrative access
- External management/monitoring
- File management

Transparent Mode

- Layer 2 Operations
- Layer 2 Configuration

Layer 3 Operations

- Basic routing configuration
- Multiple virtual router deployments
- Interface-based NAT



Contents continued

Basic Policy Configuration

- Address books
- Services
- Groups
- Policy configuration
- Multi-cell policies

Policy Options

- Logging
- Counters
- Scheduling
- Authentication

Attack Prevention

- SCREEN functions
- URL Filtering
- Integrated Anti-Virus checking
- Deep Inspection

Address Translation Options

- Policy-based NAT source
- NAT destination
- MIP
- VIP

VPN Concepts

- What's a Tunnel?
- IPSec Overview
- Tunnel Establishment
- Data Flows

Policy-Based VPNs

- Configuration
- Verification

Route-Based VPNs

- Configuration
- Verification

NetScreen Remote Client

- Client Operations
- Client Configuration
- Device Configuration