Forcepoint Next Generation Firewall (NGFW) Administrator - 3 Days Training

Duration: **3 Day**

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During this four day training course, you will learn how to install, configure, administer, and support Stonesoft NGFW.

Through instruction, demonstrations, and hands-on lab practice exercises, you will learn the requirements and recommendations to successfully deploy Stonesoft NGFW in a variety of network environments. You will develop expertise in creating security rules and policies, managing users and authentication, understanding multi-link technology, configuring VPNs, deep traffic inspection, performing common administration tasks including status monitoring and reporting.

Prerequisites

Working knowledge of Microsoft Windows administration, system administration concepts, a basic understanding of computer security concepts, and a general understanding of Internet services.

Who should attend?

Channel Partners:

- Consultants, system architects, integrators and planners who help customers with Stonesoft NGFW implementations.

Forcepoint Sales Engineers:

- Forcepoint personnel who provide pre-sales and post-sales support for Stonesoft NGFW.

What You Will Learn

- Understand the fundamentals of NGFW
- Understand different installation methods
- Understand SMC capabilities
- Understand FW/VPN roles and clustering
- Configure routing
- Configure security policies
- Understand Multi-Link technology
- Configure Multi-Link VPNs
- Manage users and authentication
- Configure IPsec and SSL VPNs
- Perform traffic and deep inspection
- Perform common administration tasks
- Understand monitoring capabilities
- Configure reporting

Training Outline

Day 1

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1) Introductions

- Participant introductions
- Logistics
- Course Objectives

2) Next Generation Firewall Engine

- NGFW History & Background
- Key Benefits and Differentiators
- Operating Modes
- Hardware Platforms and Virtualization
- Installation Methods
- Licensing and Add-ons

3) SMC Overview

- NGFW System Architecture
- SMC Components / Supported Platforms
- Management & Log Server Properties
- WebPortal Server Properties
- Deployment Options
- Status View / Configuration View
- Management Client Tools
- Local Manager

4) FW/VPN Role and Clustering

- NGFW FW/VPN Role & Requirements
- Multi-layer Inspection
- Single NGFW Overview
- Clustering Technology
- Firewall Cluster
- IPS Serial Clustering
- Additional Firewall Features
- NGFW Engine Architecture

5) Routing and Anti-Spoofing

- Static Routing Configuration
- Special Routing Conditions
- Policy Routing
- Dynamic Routing Overview

6) Security Policies

- Policy Types
- Packet Processing Flow
- Firewall Templates and Policy
- Structure
- Firewall Policy
- Policy Tools & Rule Options
- NAT Definition
- Address Translation Options

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- Proxy ARP and NAT

Day 2

7) Log Data Management

- Purpose of Logs
- Log Entry Types
- Logging Generation
- Log Data Pruning
- Logs View
- Visualizing Logs
- Filters
- Third Party Logs

8) Multi-Link Technology

- Outbound Traffic Management
- Link Selection Methods
- Outbound Multi-Link Configuration
- Server Pools
- Multi-Link for Inbound Traffic
- Configuring Server Pools and
- Inbound Multi-Link

9) Multi-Link VPN

- Overview of VPNs
- VPN Topologies
- VPN High Availability
- Policy-Based VPN Configuration
- VPN Tools
- Route-Based VPN

10) Users and Authentication

- Managing Users
- Directory Servers
- Supported Authentication Methods
- User Authentication Process
- Browser Based Authentication

Day 3

11) IPsec VPN Client

- Mobile VPN Connections
- IPsec VPN vs SSL VPN Tunneling
- VPN Client Configuration - Gateway Side
- VPN Client Configuration - Client Side
- Troubleshooting Tools

12) SSL VPN

- Client Based and Clientless Access
- SSL VPN Portal Overview

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- SSL VPN Services
- Routing Methods
- SSL VPN Portal Configuration

13) Traffic Inspection in Access Rules

- Traffic Inspection
- Protocol Agents
- Applications
- Web Filtering
- Anti-Virus
- Anti-Spam
- GTI and ATD
- Deep Inspection
- TLS Inspection

Day 4

14) Inspection and File Policies

- Deep Inspection
- NGFW Policy Templates
- Predefined Inspection Policies
- Situation Concepts
- Inspection Rules Tree
- Fine-Tuning Inspection
- Inspection Exception Rules
- Rule Options
- Blacklist
- Packet Inspection Procedure

15) Administration Tasks

- Role-Based Access Control
- Alert Process
- Log Management Tasks
- Log Forwarding
- System Upgrades and Backups
- SMC High Availability
- Location and Contact Addresses
- Troubleshooting / Support

16) Monitoring, Statistics and Reports

- Status Monitoring
- Overviews
- Reports
- Report Designs, Sections, and Items
- Geolocation Maps
- Session Monitoring
- Third-Party Monitoring