



# Skybox Firewall Assurance & Change Manager

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## Training Course

### OVERVIEW

The students will learn how to operate and use Firewall Assurance and Change Manager. The following lessons provide practical knowledge about how to create complex analysis of the organization's firewalls and networks, clean and optimize firewall rules, and track changes.

In the second part of this course, the students will practice how to utilize the benefits of Skybox Change Manager and the relationship between Change Manager and Firewall Assurance.

The concepts discussed are reinforced with interactive exercises to give learners hands-on experience in using and navigating the user interface and data flow within the product.

### WHO SHOULD ATTEND THIS TRAINING COURSE?

This course is intended for the following participants:

Firewall administrators, security analysts, network operations engineers, compliance officers, security auditors, risk managers, change agents, etc.

### TRAINING COURSE FORMAT

This instructor-led course is designed to be taught virtually or in a classroom setting. The estimated duration of the class is 2 days.

## AGENDA

### Day 1

#### **Lesson 1: Introduction to Skybox Security and Firewall Assurance**

- Skybox overview
- What is Firewall Assurance, and how does it work?
- Product demo

#### **Lesson 2: Getting Started**

- Logging into Firewall Assurance
- Importing, adding and viewing firewalls
- Viewing a firewall's access rules and routing tables
- Exercise

#### **Lesson 3: Rule Compliance**

- Overview of rule compliance
- Working with rule compliance
  - Viewing rule compliance
  - Creating exceptions
  - Customizing rule compliance policies
- Exercise

#### **Lesson 4: Access Compliance**

- Access compliance policy
  - Overview
  - Access policy violations
  - Zones
  - Mapping a firewall's network interfaces to access policy zones
- Working with policy compliance
- Understanding compliance metrics
  - Violating rules
  - Access compliance results
- Understanding violation causes
- Creating exceptions
- Customizing access compliance policies
- Exercise

#### **Lesson 5: Configuration Compliance**

- Overview of configuration compliance
- Configuration compliance for a specific/all firewalls
  - Viewing vulnerabilities on a firewall
- Exercise

## Day 2

### Lesson 6: Optimization and Cleanup

- Overview of optimization and cleanup
- Shadowed and redundant rules
- Rule usage analysis
  - Collect firewall traffic logs
  - Working with rule usage analysis
  - Rule usage type
  - Object usage type
  - Rule usage trace
  - Generate a rule usage analysis report
- Exercise

### Lesson 7: Change Tracking

- Using change tracking
- Working with change tracking
  - Viewing changes — all firewalls
  - Affected access rules
  - Viewing changes by a single firewall
- Change tracking reports
- Exercise

### Lesson 8: Introduction to Skybox Security and Change Manager

- Overview of the change management process
- Overview of Change Manager functionality
- Navigating Change Manager

### Lesson 9: General Ticket Workflow

- Change Manager ticket stages
  - Create request
    - Basic and advanced change request types
  - Technical details
  - Risk assessment
  - Implementation details
  - Verification

### Lesson 10: Recertification ticket workflow

- Overview of recertification ticket workflow

## Student Setup Guide

Skybox training conducts classes in a lecture with labs format. The requirements listed in this section are in place to ensure that the trainer can conduct effective discussions and demonstrations and that the students can perform all of the lab exercises. Failure to meet these requirements may compromise the value of the training. Please contact [customer.training@skyboxsecurity.com](mailto:customer.training@skyboxsecurity.com) if you are unable to meet any of these requirements.

### BASIC REQUIREMENTS

- Stable internet access (for downloading software/updates)
  - Outgoing connections should be allowed over TCP/8443, TCP/22 and TCP/444
- Browsing self-signed websites should be allowed
- Installation of new software should be allowed (Java-based management client)
- SSH and SCP clients (we suggest Putty and WinSCP) installed
- Acrobat Reader (PDF viewer)

### MINIMUM STUDENT COMPUTER HARDWARE REQUIREMENTS

- Intel® Core® 2.0 GHz or higher
- 4 GB of RAM
- 80 GB free disk space

## SOFTWARE REQUIREMENTS

- Microsoft® Windows 7 or later operating system. See Skybox Security website for [system requirements](#).
- User must have admin rights to install Skybox software on computer, or Skybox full Server suite must be pre-installed with latest update.
- Installation of the Skybox Management software should be installed to a directory **other than** c:\skybox to avoid interference with any production deployments.