

# Skyhigh Secure Web Gateway On Premise Administration

Course Description Datasheet

# Course Overview

The Skyhigh Secure Web Gateway On Premise Administration course provides in-depth introduction to the tasks crucial to setting up and administering Secure Web Gateway (SWG) effectively. The course combines lectures and practical hands on lab exercises. It provides detailed instructions on the integration of this product with a customer security environment. Products and capabilities covered in this course are Policies, Rules and Rule Sets, GTI and URL Filtering, HTTPS scanning, Coaching, Web Caching, Block Pages, Reverse Proxy and ICAP, Troubleshooting, Remote Browser Isolation and overview of SWG Web Hybrid solution.

## Course Agenda

### Day 1

- Welcome
- Solution Overview
- Planning
- Installation
- System Configuration
- Policy Overview
- Rules, Rule Sets, and Lists

### Day 3

- Quota Management and Coaching
- Web Caching, Next Hop Proxies, Web Sockets, Progress pages and Block pages
- Logging
- Dashboards and Reports
- Content Security Reporter

### Day 2

- GTI and URL Filtering
- Media Type Filtering and Data Loss Prevention
- Malware Scanning
- Authentication and Account Management
- HTTPS Scanning

### Day 4

- Reverse Proxy and ICAP
- Advanced Management
- Basic Troubleshooting
- SWG Cloud
- Remote Browser Isolation
- SWG Web Hybrid

## Audience

This course is intended for system and network administrators, security personnel, auditors, and/or consultants concerned with web protection.

## Recommended Pre-Work

- Knowledge of Windows and system administration, network technologies
- Basic understanding of computer security, command line syntax, malware/anti-malware, virus/anti-virus, and web technologies

# Course Objectives

## **Welcome**

Overview of the course, important resources and hyperlinks, key acronyms and terminologies.

## **Solution Overview**

Describe the SWG solution key features, future enhancements and deployment architecture.

## **Planning**

Identify system requirements, deployment modes and best practices for implementing the solution.

## **Installation**

Describe the installation workflow for a physical appliance, .

## **System Configuration**

Identify initial system configuration settings.

## **Policy Overview**

Overview of Policy, Rules, Rule sets and Lists.

## **Rules, Rule Sets, and List Configuration**

Describe the workflow configure Rules and Rule sets.

## **Global Threat Intelligence (GTI) and URL Filtering**

Describe GTI functionality, URL categories and steps to configure a web policy using URL categories, geolocation, and wildcard lists.

## **Media Type Filtering and Data Loss Prevention**

Describe steps to configure Media Type Filtering and DLP use cases.

## **Malware Scanning**

Describe steps to configure a rule to apply virus scanning to specific web page content and anti-malware engine settings.

## **Authentication and Account Management**

Describe the steps to configure authentication methods and rules and account management in SWG.

# Course Objectives

## **HTTPS Scanning**

Review SSL scanning engine, certificates, and SSL rules.

## **Quota Management and Coaching**

Describe quota management and coaching scenarios based on time and volume.

## **Web Caching, Next Hop Proxies, Web Sockets, Progress Pages, and Block Pages**

Overview of various web policy settings.

## **Logging**

Describe how to administer the logging functions of an appliance to monitor how it performs filtering and other activities.

## **Dashboards and Reports**

Describe Dashboards and Reports capabilities provided by SWG On-prem.

## **Content Security Reporter**

Generate and interpret reports using the Content Security Reporter.

## **Reverse Proxy and ICAP**

Describe the working of SWG in Reverse Proxy and ICAP configuration.

## **Advanced Management**

Explain the purpose and working of the Central Management feature, Proxy HA and REST Interface.

## **Basic Troubleshooting**

Describe troubleshooting tools and steps to perform Backup and Restore.

## **SWG Cloud**

Describe the steps to configure Web Gateway Setup.

## **Remote Browser Isolation**

Describe the impact of the Remote Browser Isolation (RBI) on a customer security environment and how this can be applied in an On-prem environment.

## **SWG Web Hybrid Solution**

Overview of SWG Web Hybrid solution, key features, architecture, best practices and use cases.

