

# Skyhigh Secure Web Gateway On Premise Administration

## 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.

### 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 Agenda

### Day 1

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

### Day 2

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

### 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 4

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



## 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.

### **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.



## About Skyhigh Security

When your sensitive data spans the web, cloud applications, and infrastructure, it's time to rethink your approach to security. Imagine an integrated Security Service Edge solution that controls how data is used, shared, and created, no matter the source. Skyhigh Security empowers organizations to share data in the cloud with anyone, anywhere, from any device without worry. Discover Skyhigh Security, the industry-leading, data-aware cloud security platform.

**For more information visit us at [skyhighsecurity.com](https://skyhighsecurity.com)**