

Skyhigh Secure Web Gateway On-premise Administration - Basic

Course Overview

This 2-day Secure Web Gateway On-premise hands-on course includes an overview of the solution, planning, installation, and system configuration of the Secure Web Gateway (SWG). The course focuses on policy construction, including GTI, URL Filtering, Malware Scanning, and Media Type Filtering. It also covers Authentication, Account Management, and HTTPS Scanning, Web Caching, Next Hop Proxies, Progress and Block Pages, and Central Management. The training concludes with sessions on Logging, Dashboards and Reporting, Basic Troubleshooting, and SWG Cloud and Hybrid Fundamentals.

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
- GTI, URL Filtering and Malware Scanning
- Media Type Filtering

Day 2

- Authentication and Account Management
- HTTPS Scanning
- Web Caching, Next Hop Proxies, Progress Pages and Block Pages
- Logging
- Dashboards and Reporting
- Central Management
- Basic Troubleshooting
- SWG Cloud and Hybrid Fundamentals



Course Objectives

Welcome

Explain the course objectives, agenda, and foundational concepts governing Secure Web Gateway operations.

Solution Overview

Compare key Secure Web Gateway architecture components and identify core proxy deployment features.

Planning

Analyze system requirements and plan deployment topologies to fit specific enterprise network environments.

Installation

Apply standard installation and upgrade procedures to deploy Secure Web Gateway appliances.

System Configuration

Configure network interfaces, proxy settings, dynamic updates, and license options within the appliance management interface

Policy Overview

Construct policy rule sets, criteria, and custom action events to enforce web filtering policies

GTI, URL Filtering and Malware Scanning

Analyze web traffic using Global Threat Intelligence (GTI) and malware engines to block online security threats.

Media Type Filtering

Apply media type filtering rules and content opening settings to inspect and control file uploads and downloads.

Authentication and Account Management

Implement directory authentication mechanisms and user access controls for web traffic identity verification.

HTTPS Scanning

Evaluate SSL/TLS encrypted traffic using certificate inspection and decryption policies to detect hidden threats.

Web Caching, Next Hop Proxies, Progress Pages and Block Pages

Configure web caching engine rules and customized block/progress pages to optimize bandwidth usage and user notifications.

Logging

Analyze system and user-defined log configurations to create customized logging rules for operational auditing.

Dashboards and Reporting

Interpret executive summary reports and apply filters on the appliance dashboard to monitor system health and alert events.

Central Management

Administer multi-node appliance clusters and central management configurations to synchronize global policy settings.

**Basic Troubleshooting**

Diagnose operational errors using command-line interface tools and system debug logs to solve network connectivity issues.

SWG Cloud and Hybrid Fundamentals

Differentiate between on-premises and hybrid cloud architecture options to extend web security policies across remote environments.



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.

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