DATA SHEET

Skyhigh Secure Web Gateway On-premise Administration - Advanced

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 Overview

This 2-day advanced course provides in-depth technical training on the Secure Web Gateway On-prem platform, focusing on sophisticated security configurations and administration. Participants will master complex topics such as HTTPS scanning, Authentication and Account Management, and Remote Browser Isolation (RBI) to enhance network security. The curriculum covers critical infrastructure components including Reverse Proxy, ICAP integration, and Central Management for streamlined enterprise-scale operations. Through hands-on virtual labs, students will gain practical experience in malware scanning, Data Loss Prevention (DLP), and detailed logging using Content Security Reporter. Designed for experienced administrators, this course introduces concepts of SWG Cloud and SWG hybrid to effectively mitigate modern web-based threats.

Course Agenda

Day 1

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

Day 2

- Logging
- Content Security Reporter (CSR)
- Reverse Proxy and ICAP
- Central Management
- Troubleshooting
- SWG Cloud and Hybrid
- Remote Browser Isolation (RBI)

Course Objectives

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

GTI, URL Filtering and Malware Scanning
Assess web traffic using URL filtering rules and Global Threat Intelligence (GTI) risk scores

Media Type Filtering and Data Loss Prevention
Understand the function of Composite Opener, Media Type filtering rules, DLP rules and SWG as ICAP server and client.

Authentication and Account Management
Explain how authentication is integrated into Skyhigh Secure Web Gateway (SWG) rules and rule engines and administrator account management, default administrator roles, and external authentication configuration.

HTTPS Scanning
Implement HTTPS scanning to inspect encrypted traffic. Configure certificate verification rules and create bypasses for sensitive sites that use certificate pinning.

Quota Management and Coaching
Assess user bandwidth and time usage to configure quota thresholds and interactive coaching block pages.

Logging
Examine, configure, and evaluate system and traffic logs to monitor network activity within SWG.

Content Security Reporter (CSR)
Generate and interpret reports using CSR.

Reverse Proxy and ICAP
Deploy reverse proxy architecture and set up ICAP server integration for external content scanning.

Central Management
Manage centralized administration strategies for multi-instance SWG deployments.

Troubleshooting
Diagnose, isolate, and troubleshoot complex SWG performance degradation and traffic flow issues.

SWG Cloud and Hybrid
Implement and integrate Secure Web Gateway policies and security features in cloud environments.

Remote Browser Isolation
Protect endpoints by isolating web sessions in a remote container. Configure both "Risky Web" and "Full Isolation" policies to mitigate browser-based threats.

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

Skyhigh Security

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