Secure Web Gateway

DEPARTMENT OF EDUCATION
WESTERN AUSTRALIA

Secure Web Gateway

Department of Education WA

CyberHound's Secure Web Gateway delivers enhanced Internet management capabilities to supplement the existing Secure Internet Gateway (SIG) solution.

Enhanced Web Filtering

CyberHound's web filtering provides education focused content categorization with over 500 granular categories. Content supports dual categorization and utilises a combination of Artificial Intelligence and Machine Learning on data sourced from over 600 Million users worldwide, ensuring maximum accuracy. Specialist security categories focus on Malicious content detection covering botnet, malware, phishing, fraud, spyware and more.

XGEN Reporting

The XGEN reporting delivers a centralized repository of data collected from the various layers of the network, segmented into a permission based data sources. Reporting information includes data such as URL's, block activity, content categories, group information, data usage, YouTube Analytics, and more. Reports can be run ad-hoc or added to an automated reporting

Caching Services

Caching services deliver an improved Internet experience, enhancing network performance and reducing Internet bandwidth usage. Caching services include Apple Updates (iOS and MacOS), App Store downloads and Adobe updates and more. YouTube caching options are also available if required.

ClearView

ClearView scans and analyses Internet traffic to identify indicators of student behavioural or welfare risk, allowing for early intervention on more serious instances such as self harm or inappropriate behaviour. Automated reports and alerts can be delivered directly to the schools welfare teams for review and actioning.

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Virus & Malware Protection

Network traffic is scanned using the latest virus and malware signatures ensuring the best protection for the network. Daily signature updates and XGEN reporting provide valuable tools in combating web based threats.

LiveZone

LiveZone provides teachers and students with a real- time in class dashboard view of data from their web-based activities. Data includes website and content breakdown as well as access to YouTube video usage.

Classroom Control

Classroom Control allows teachers to maximise productivity as student focus on learning by providing in class tools to manage access to content for individual students. With individual controls and variable time options, teachers can allow certain web pages and whole sites that may otherwise be restricted.

Fortinet Auth Plugin

CyberHound's Fortinet Authentication plugin delivers an integrated, Single Sign On experience when used with the Fortinet gateway (SIG). As users authenticate to the Department network via SIG, authentication sessions are mirrored to the CyberHound Web Gateway, removing the need for additional infrastructure and providing an enhanced user experience.

Typical Configuration

DoE

3rd Party ISP
(optional)

CyberHound

Fortinet (SIG)

GRE

WCCP

Core Switch
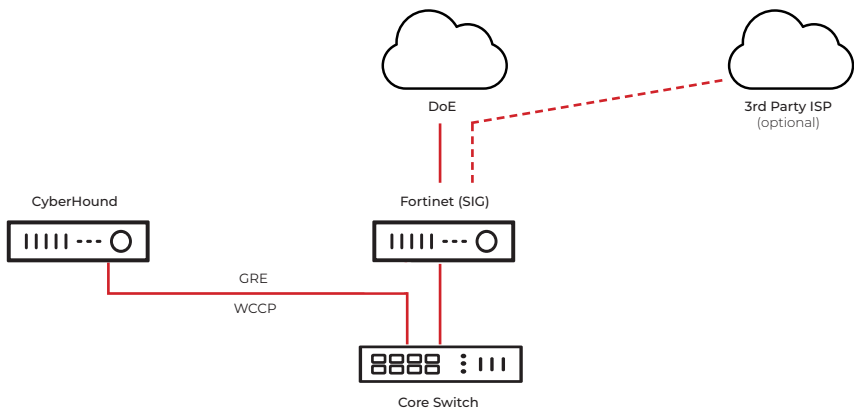
FAQ

Q: Is the CyberHound Secure Web Gateway available to all DoE WA schools?

A: Yes. CyberHound's Secure Web Gateway can be deployed for use in both primary and secondary schools.

Q: How can a school migrate to the new zone based configuration from DoE to support CyberHound's Secure Web Gateway?

A: You will need to contact the DoE and complete the relevant migration paperwork. Once complete, you can connect your CyberHound Secure Web Gateway using a single Interface and configure your filtering and reporting policies.

Q: Could the CyberHound Secure Web Gateway be deployed in our BYOD environment?

A: Yes. The CyberHound Secure Web Gateway provides advanced filtering and reporting for schools with BYOD or School Managed device strategies.

Q: Can the CyberHound Secure Web Gateway filter more than a single Internet connection?

A: Yes. The solution has been designed to allow schools to connect additional Internet services to the network, increasing Internet performance with no additional configuration or licensing costs.

> **Internet trends change quickly so to have a solution that provides the flexibility to create and implement custom policies to combat anything concerning quickly provides us with a lot of confidence to safeguard our school community.**

Ross Oakes, School Based Network Administrator, Mount Lawley SHS

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