

# ABSOLUTE REAL-TIME PROTECTION SERIES™

## ASYMMETRIC WEB FILTERING™ - FOR SERVICE PROVIDERS

### OVERVIEW

Internet Service Providers are often required to enforce web filtering policies as defined by the governments in which their services are provided. As internet usage grows, the ongoing support of web and URL filtering compliance is often costly and complex to sustain. Wedge Absolute Protection Series™ (WedgeARP) - Asymmetric Web Filtering (AWF) compliance systems supports asymmetric web filtering to achieve full regulatory compliance with the industry's smallest solution footprint to minimize server requirements and the associated life cycle costs.

“ *Symmetric Web filtering solutions must incrementally scale monitoring capacity as internet traffic increases, on a 1:1 basis.*

*WedgeARP-AWF satisfies Web Filtering compliance while scanning only outbound traffic, reducing monitored traffic and system requirements by up to 90%.*

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### More Than Just URL Compliance, Providing Safe Services

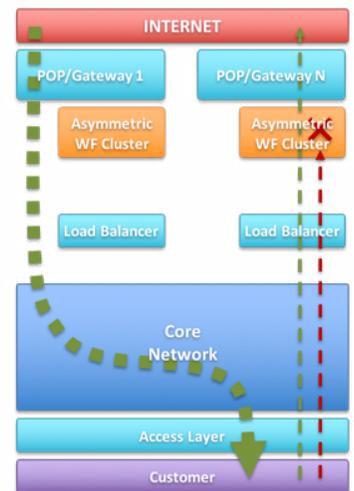
Of course, WedgeARP-AWF provides more than just filtering of specified URL lists. It incorporates industry-leading web reputation and categorization services to optionally block access to websites with a reputation for delivering malware and other unsafe content, as well as the ability to apply filter policies through well defined categorizations of websites. The result is a safer internet experience, as well as compliant services.

### Reducing Network Complexity And Secondary Costs

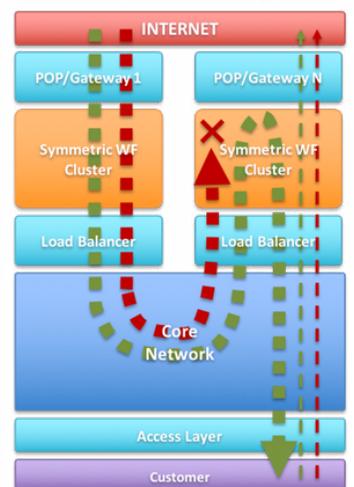
Outbound URL requests typically represent less than 10% to 15% of the total internet traffic. So, monitoring outbound URL requests only, and blocking applicable requests before they egress the service provider network, eliminates the need to monitor inbound URL responses. It also reduces the monitored traffic and associated system resources by up to 90% when compared with proxy-based, symmetric web filtering models. Wedge's asymmetric approach dramatically reduces both capital and recurring operational costs of web filtering enforcement.

WedgeARP-AWF's asymmetric URL filtering also eliminates the requirement of proxy-based web filtering solutions to force URL reply traffic to flow through the same web filter that monitored the outbound URL request. Eliminating this network-wide requirement eliminates routing complexities and unproductive traffic from the network, reducing network costs, complexity and improving the Key Performance Indicators (KPIs) of the internet service.

### Asymmetric Web Filtering Multiple Gateways



### Proxy-Based Web Filtering Multiple Gateways



## Simplifying Database Management

WedgeARP-AWF enables full scanning against Wedge's Web Filtering database, a database provided by the service provider or government agency, or a combination of multiple databases merged into one. In support of this, the WedgeARP-AWF system includes a database merge tool which empowers service providers and network agencies to merge multiple databases together, routinely or on-demand. The fully integrated database can then be made available for updates across multiple data centers, and even multiple service providers, to assure uniform policy enforcement nationwide.

The dynamic, constantly changing nature of the internet also mandates frequent updates. The Wedge Web filtering database is configurable to support automatic updates to maintain up-to-date compliance. Similarly, many government agencies will also want to routinely update their own URL database. The speed and simplicity of the database merge tool enables database managers to facilitate updates with merged files to be conducted simply and rapidly; routinely, as well as on-demand.

## Industry Leading Inspection And Security Apps

WedgeARP is powered by the Wedge Security Orchestrator (WedgeSO™) engine, which uses multiple patented technologies to conduct in-line, real-time deep packet and deep content inspection with superior visibility and speed. The onboard orchestrator enables full scanning against Wedge's Web Filtering data base, or a data base provided by the service provider. WedgeARP executes both the inspection and security policy enforcement with imperceptible latency, and industry leading scale.

## The Difference

Wedge brings together powerful Web Filtering with the high performance of the Wedge Absolute Real-time Protection platform, providing unmatched accuracy and throughput, featuring:

- The broadest threat data, most robust data correlation and most complete product integration in the market, giving unique visibility into online dangers such as botnets, worms, DNS attacks and even Advanced Persistent Threats.
- Leading Content Provider policy integration - seamless web application control for Google Safe Search, YouTube for Schools, etc.
- Collection of data from more than 100 million nodes around the globe - offering the most comprehensive set of threat intelligence services on the market, with: file reputation, web reputation, web categorization, message reputation and network connection reputation.
- Asymmetric Web Filtering - a new mode of operation for web filtering offering additional integration flexibility, lowered hardware footprint requirements, improved end-user browsing experience, and IP-based web filtering for https traffic.
- Ability to establish acceptable web usage policies - protecting an organization's reputation by stopping activities that are contrary to set policies while reporting on filtering effectiveness.
- Powerful database merge tool to simplify and automate the merging of two or more databases to enable rapid updates, assuring continuous compliance.

## Sample Categories

Alcohol	Non-Profit
Anonymizers	Organizations/Advocacy Groups
Anonymizing Utilities	Nudity
Art/Culture/Heritage	P2P/File Sharing
Auction	Personal Network
Business	Storage
Chat	Personal Pages
Computing/Internet	Phishing
Consumer Information	Politics/Opinion
Criminal Skills	Pornography
Dating/Social	Portals Sites
Drugs	Profanity
Education/Reference	Provocative Attire
Entertainment/	Religion and Ideology
Recreation/Hobbies	Remote Access
Extreme	Resource sharing
Finance	School Cheating
For Kids	Information
Forum/Bulletin Boards	Search Engines
Gambling	Sexual Materials
Gambling Related	Shareware/Freeware
Game/Cartoon Violence	Shopping/
Games	Merchandising
General News	Spam Email URLs
Government/Military	Sports
Grotesque Content	Spyware
Hacking	Stock Trading
Hate Speech	Streaming Media
Health	Technical/Business
Humor	Forums
Information Security	Text/Spoken Only
Instant Messaging	Tobacco
Interactive Web	Travel
Applications	Usenet news
Internet Radio/TV	Violence
Job Search	Visual Search Engine
Malicious Sites	Weapons
Media Download	Web Ads
Messaging	Web Mail
Mobile Phone	Web Phone
Moderated	