



URL Filtering

Complete URL Control™

NETWORK COMPOSER FEATURES:

VISIBILITY

- Complete Traffic Visibility™
- Application Traffic (including Layer 7)
- Web 2.0 Content
- Users/Group/Device Activity
- Web, P2P, Anonymous Proxy Traffic
- Malware Threats
- Traffic Trends
- Active Reporting with Multi-Correlation of Data
- Bandwidth Usage Reports

SECURITY

- Complete Traffic Protection™
- Anonymous Proxy Guard™
- Zero-day Threat Protection
- Triple Layer URL / Web 2.0 Filtering
- Malicious Web Site Blocking
- Web 2.0 Infected Site Detection
- Spyware Removal

CONTROL

- Complete Traffic Management™
- Internet Traffic Acceleration/Optimization
- Dynamic Application/Bandwidth Shaping and Allocation
- Web Content Prioritization
- Web Category/URL Shaping
- Web 2.0 management

"Money well spent! We look at the reports several times a day and forward any concerns to the principal for discipline."

--Technology Director
Bandera Independent
School District

The Problem

The Internet is constantly changing and URL content is rapidly changing as well. In addition, the delivery mechanisms for URL content has evolved encompassing a large number of techniques that present challenges to traditional content filtering solutions. Gone are the days of URLs being delivered via HTTP over Port 80. The result is organizations must deploy the latest technology in order to ensure they have the visibility and control of the URL traffic generated by their users. Web 2.0 sites make the problem even more difficult due to the added complexity of the content, bandwidth usage and security concerns within Web 2.0 sites.

Millions of URLs are created monthly and combined with the latest techniques in filter avoidance the problem is compounding for IT managers. Traditional URL filtering solutions lack the technical features to deal with today's problem. They are typically a static URL list that focuses on block or allow based on if the URL is in the database and they are generally deployed in an "out of line" mode through proxy settings or listening on a mirror/span port. Internet content and delivery mechanisms have moved beyond traditional URL filtering technology and organizations must deploy solutions that address the changing environment.

Why It Matters

Organizations are being challenged with providing secure and productive Internet access to their users in a matter that does not create any legal liability for the organization. This task becomes even more challenging if the IT manager cannot be certain of that amount of URL traffic not being filtered correctly or getting past their filter all together. In many organizations IT managers fall into the category of "they don't know what they don't know" since they don't have 100% visibility and control on their Internet connection.

How Cymphonix Solves the Problem

Complete URL Control is a system that takes URL filtering to the next level by combining database look up, key word, dynamic content inspection with Layer 7 application recognition and content control technologies to create the Industry leading URL filtering and content control system. Network Composer® uses a combination of web crawling, data supplied by domain registrars, human content analysts and usage data from our client base to ensure new sites are discovered and categorized quickly.

The majority of newly discovered sites are categorized with the Cymphonix Dynamic Categorization System. It uses multiple techniques including contextual pattern recognition and page link and/or image source analysis to accurately assign categories. Content analysts and policy experts in Cymphonix Labs are used to verify the quality of the automated result as well as to supplement the automated technology for complex or specialized sites.

Many sites on the internet can be accurately categorized with a simple URL category lookup from our URL database. However, with the rapidly changing content of Web 2.0 sites and sites with dynamic content (e.g. search engines, social networking sites, blogging sites), can change based on user interaction so real-time content analysis must be used to ensure that these pages are correctly categorized and do not contain inappropriate content.



Reinvent Your Relationship with the Internet.

Network Composer is ready to offer your organization new levels of Internet safety, performance, and control, so you can maximize the value and productivity of your Internet connection. Visit www.cymphonix.com to learn more and schedule a live demo.

Call us at: 866.511.1155

Visit our website at: www.cymphonix.com



Key Features:

URL Database:

- 65 million URL entries
- 90 categories

Key word look up:

- URLs are scanned for categorization matches within the full length URL

Dynamic Content Inspection:

- New or dynamically changing Web pages are scanned dynamically to keep up in real time with the ever changing Internet

Search Engine SafeSearch Enforcement:

- Enforces safesearch on all major search engines

HTTPS Inspection:

- Full HTTPS Content Filtering: Full content inspection for HTTPS sites, database match, URL key work search and Dynamic Content Analysis
- Certificate Verification: Checks SSL certificates • for appropriate authorization to

block sites with spoofed certificates

- SSL Certificate Filter with Deny Access Page: Unique to Network Composer, the device can display a blocked page for secured sites that have been blocked due to certificate violations

Layer 7 Application Recognition:

- Application signatures are used to detect URL traffic on non standard ports and protocols. A very common method used by Filter Avoidance technologies to bypass traditional content filters.

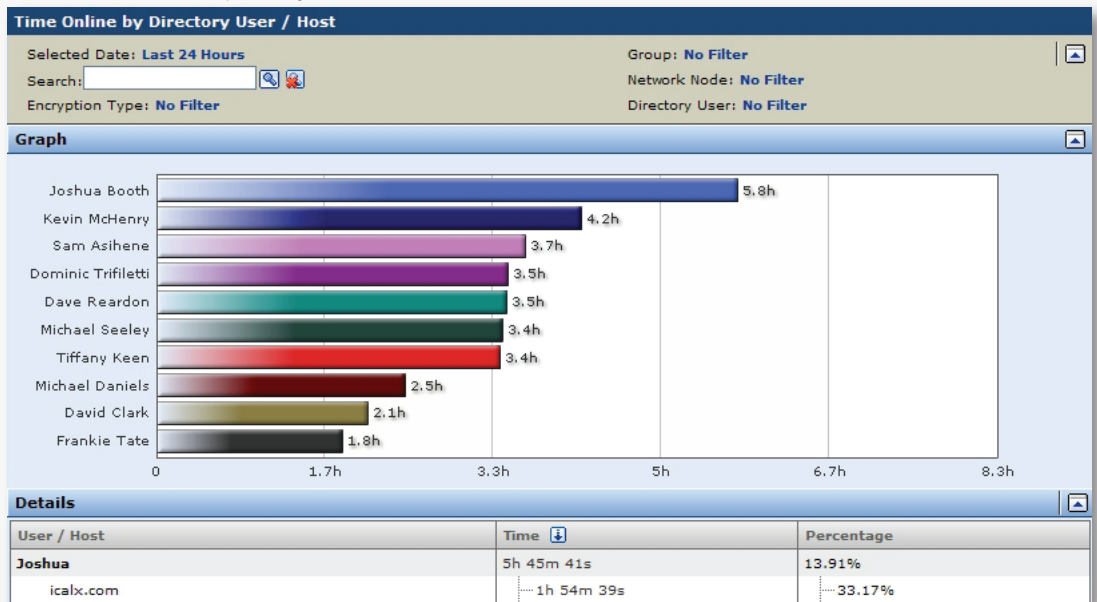
URL Content Control:

- Websites are not always block/allow
- Complete Traffic Control™ module provides for URL, Category and File type dynamic shaping

Language Support:

- Coverage in 21 languages: English, French, German, Spanish, Italian, Dutch, Portuguese, Danish, Finnish, Swedish, Norwegian, Russian, Hungarian, Catalan, Japanese, Chinese, Korean, Turkish, Polish, Czech & Hebrew.

Multi-Correlated Reporting



Policy Manager for IUR and Content Shaping

Add/Edit Shaping Rule Detail

Name:

Group: Application: Web Content:

Create Application Shaping Rules

Application Set: Remote Desktop / Remote Control / X

Max Download: 8000 Kbps - 80% Max Upload: 4000 Kbps - 40% Priority: Higher

Selected Rules

Application Set	Download	Upload	Priority
No application shaping rules have been assigned to this rule set			