



Application & Bandwidth Control

Complete Traffic Management™

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

The Problem

Internet traffic is becoming increasingly important to an organization's business operations and bottom line and with the rapid increase in the amount of Internet traffic traversing their WAN connection the need for managing Internet Application and Bandwidth becomes even more important. The increase is coming from Web based hosted applications, increase in the mobile workforce accessing corporate resources and the explosion in the amount of "non-business" or recreation traffic that users are accessing through social networking sites and Web 2.0 applications.

What does this mean for the IT manager - in many cases they don't have the solutions in place that provide 100% visibility into their traffic and cannot determine the cause of traffic increases and implement control policies. This leads to the strategy of "the internet is slow; purchase more bandwidth" which does not solve the problem since the bandwidth intensive applications are designed to use as much bandwidth as possible. The net result from adding more bandwidth is a more expensive Internet connection with the same sluggish performance. The correct approach is to deploy an effective bandwidth and application management strategy which reduces bandwidth costs through creating an efficient and fully maximized Internet connection.

Why It Matters

IT departments are tasked with delivering cost effective and high performing networks for their organization. The Internet connection is not excluded from this goal and since the majority of users on a network access the Internet during their normal day a high performing Internet connection is one of the most important components within the entire network.

If not properly managed an organization's Internet connection performance can be severely compromised by a small number of users or applications. This can quickly create a network wide "the Internet is slow" situation for the help desk. The IT manager does not want to find out that the COO could not access a critical hosted application because a small group of employees were playing World of Warcraft and using up the majority of the Internet connection.

How Cymphonix Solves the Problem

The first step for effective Application and Bandwidth management is 100% traffic visibility. Network Composer® is an inline appliance that uses a deep packet inspection (DPI) engine in conjunction with Layer 7 application matching technology to classify all of the Internet traffic and the users/groups that created the traffic. Through the active reporting (both real time and historical) the IT manager now has visibility into the organization's Internet connection and can answer the questions from the CEO of "why is the Internet slow?"

The next step is to implement control policies on total bandwidth, bandwidth per user, bandwidth per specific application type. This will create an Internet connection that is faster and uses less overall bandwidth.

"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



Key Features:

Dynamic bandwidth shaping:

- 7 levels of prioritization that can be spread across shaping policies to create very efficient and manage bandwidth usage.

Group Shaping:

- Prioritize or limit the amount of bandwidth available to a specific group of users. Group shaping also allows for dynamic bandwidth prioritization so that less critical groups get access to bandwidth as long as it's not needed by critical groups

User Shaping:

- Similar to group shaping, prioritize or limit bandwidth to individual users - even dynamically based on priority

Application Shaping:

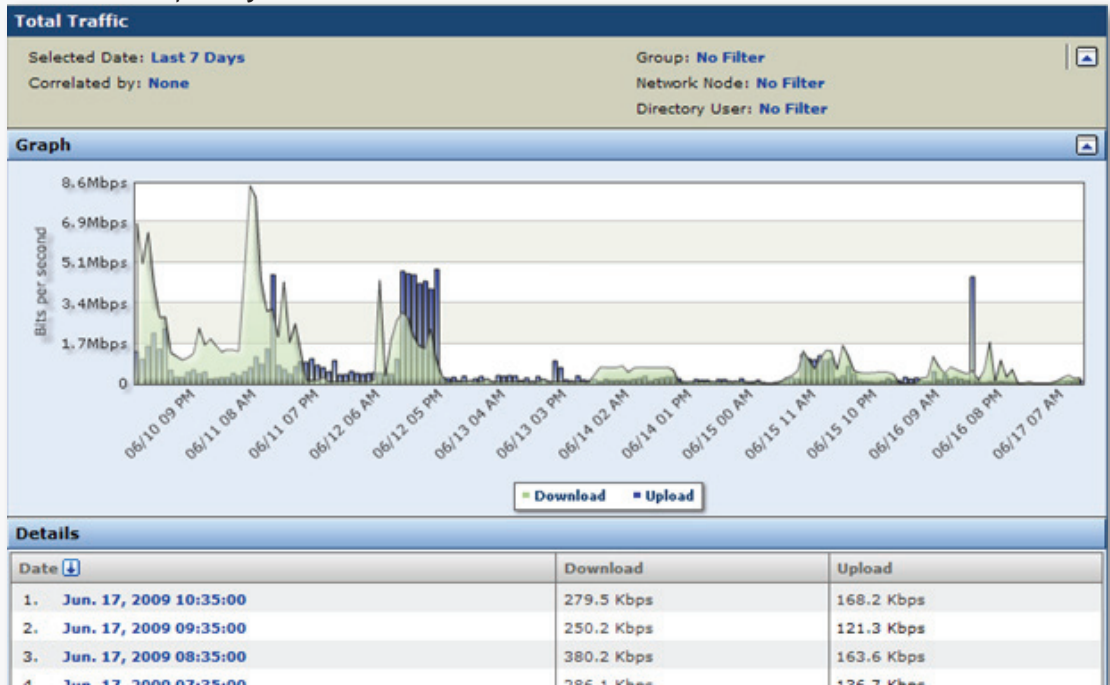
- Prioritize or limit the amount of bandwidth available to a specific application(s). Application shaping also allows for dynamic bandwidth prioritization so that less critical applications get access to bandwidth as long as it's not needed by critical applications.

URL Content Shaping:

- Prioritize or limit the amount of bandwidth available to a specific URL, Web Category, File or mime type. URL Content shaping also allows for dynamic bandwidth prioritization so that less critical content gets access to bandwidth as long as it's not needed by critical content.

Report Examples:

Total Traffic Reporting



Policy Manager for Bandwidth 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

Add Delete Selected

Selected Rules

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

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

