

The growing presence of unproductive websites and the proliferation of harmful applications are the latest threats that many organizations face which can lead to a decrease in employees' productivity as well as exposing such organizations to security risks and legal liabilities. Employees are also experiencing slow access to permitted websites and uncontrolled use of bandwidth.



Here are some examples regarding the abuse of the Internet and the loss of productivity:

- On a 200-users' office environment, the estimated loss of productivity (based on a 2 hour per-day per-user web surfing of non-work related sites), is estimated at RM 200,000 per month.
- 30 to 40% of Internet surfing during work hours (in USA in the year 2001) is not business related (IDC). The figure in Malaysia now is likely to be much higher.
- In some companies, as much as 70% of bandwidth is consumed by non-productive pursuits (IDC).
- 68% of all Internet porn traffic occurs during the nine-to-five workday (SexTracker).

How can organizations and communities continue to enjoy the benefits of the Internet without compromising their policies and security ? With Cyberim.

## What is Cyberim?

Cyberim is an innovative project developed to provide smart solutions all in one box and it features content filtering, peer-to-peer (P2P) filtering, web caching, bandwidth management, compression, firewall and routing in an integrated manner to enable organizations to make more intelligent use of the Internet and their network infrastructure.

## Is Cyberim easy to deploy and use?

The Cyberim system is very simple to install and deploy. It is easy to manage and monitor with no specialised skills required. Cyberim is also compatible with any enterprise network – Windows, Macintosh, Unix or Linux.

## FEATURES

### Content Filtering

This URL-based content filtering feature prevents employees from accessing, in a non-intrusive manner, questionable websites which are not related to their work. It can be fully customized according to the needs of different groups of employees with 54 categories rated and updated on a dynamic and continuous basis. It also offers time-management of websites, for example, to allow employees to view sports and travel during lunch time or after office hours.

Cultural Institutions	Allow	Education	Allow
Email	Allow	Financial Services	Allow
For Kids	Allow	Gambling	Deny
Games	Allow	Gay/Lesbian	Deny
Government/Legal	Allow	Hacking/Proxy Avoidance	Allow
Health	Allow	Humor/Jokes	Allow
Illegal Drugs	Allow	Illegal/Questionable	Allow
Intimate Apparel/Swimsuit	Deny	Job Search/Careers	Allow
Military	Allow	News/Media	Allow
Newsgroups	Allow	Nudity	Deny
Pay to Surf	Allow	Personals/Dating	Allow
Political/Activist Groups	Allow	Pornography	Deny

### Peer-to-Peer Filtering

This feature prevents employees from using Peer-to-Peer (P2P) software on your company network. It reduces bandwidth usage, legal liabilities, security risks and loss of employees' productivity by preventing the use of P2P software on your network and illegal downloading of contents.

Firewall > Firewall Rules

Select	Src Addr	Dst Addr	Proto	Action
<input type="checkbox"/>	0.0.0.0/0.0.0.0	0.0.0.0/0.0.0.0	Gnutella	Reject
<input type="checkbox"/>	0.0.0.0/0.0.0.0	0.0.0.0/0.0.0.0	eDonkey2000	Reject
<input type="checkbox"/>	0.0.0.0/0.0.0.0	0.0.0.0/0.0.0.0	Kazaa	Reject

### Web Caching

This feature brings allowable web content much closer to your local network by storing and updating the most visited web pages directly in the Cyberim server. It improves access speed to allowable websites and lowers bandwidth consumption on your Internet line. It also provides real-time monitoring and reporting and rule-based administration for users and groups.

Report

#### Totals

Total requests served 6290  
 Total hits 1741  
 Total Request Hitrate 27%  
 Total bytes served 22 MB  
 Total Byte Hitrate 9%  
 Total bandwidth saved 2 MB

#### Request Hit Ratio

Hits: 27% Misses: 73%



■ Hits : Number of requests to pages already in the cache. (Number of pages in the cache increases over time).

#### Byte Hit Ratio

Hits: 9% Misses: 91%



■ Misses : Number of requests to pages not within the cache.

### Bandwidth Management

This feature allocates and prioritizes the available bandwidth to different levels of users according to their work requirements. It improves speed for downloading emails and documents from websites.

Bandwidth > Bandwidth Groups

Select	Name	Direction	Min (kbps)	Max (kbps)	Priority	Graph
<input type="checkbox"/>	Management_down	Download	256	0	Highest	Yes
<input type="checkbox"/>	Management_up	Upload	256	0	Highest	Yes
<input type="checkbox"/>	Staff_down	Download	0	128	Normal	Yes
<input type="checkbox"/>	Staff_up	Upload	0	128	Normal	Yes
<input type="checkbox"/>	Reception_down	Download	0	56	Lowest	Yes
<input type="checkbox"/>	Reception_up	Upload	0	56	Lowest	Yes

## Compression

This feature reduces bandwidth usage by compressing text and images from websites. Provides customizable quality and ratios of compression.

### Compression > Statistics

Statistics				
Type	Files Handled	Input (bytes)	Output (bytes)	Avg Comp Ratio
Text	5212	57924281	16725647	71%
JPEG	8372	56788530	21103242	62%
Overall	13584	114712811	37828889	67%

## Firewall

This integrated firewall feature has an easy-to-use web interface. Firewall rules can either be set on the local console or from a remote location using just a web browser.

### Firewall > Firewall Rules

Select	Src Addr	Dst Addr	Proto	Src Port	Dst Port	Action
<input type="checkbox"/>	192.168.2.0/255.255.255.0	0.0.0.0/0.0.0.0	TCP	0	137-139	Reject
<input type="checkbox"/>	192.168.2.0/255.255.255.0	0.0.0.0/0.0.0.0	UDP	0	137-139	Reject
<input type="checkbox"/>	192.168.2.0/255.255.255.0	0.0.0.0/0.0.0.0	TCP	0	22	Accept

## Routing

This integrated router feature has an easy-to-use web interface. Routes can be set either from the local console or from a remote location using just a web browser.

### Network > Static Routes

Select	Network Address	Netmask	Gateway
<input type="checkbox"/>	0.0.0.0	0.0.0.0	192.168.2.9

Call us for a free demo

### JUKEN CONSULTANCY SDN BHD

Ground Floor,  
Wisma Damansara,  
Jalan Semantan, Damansara Heights,  
50490 Kuala Lumpur

Tel: (603)-2093 6988  
Fax: (603)-2093 6233  
Email: [juken@jukenworld.com](mailto:juken@jukenworld.com)

## A breakthrough for organizations in the new era...



## A new and intelligent way to use the Internet



Perhaps one of the most intelligent and advanced  
Internet systems in the world