



ContentKeeper

Web Content Appliance
with Closed-Loop Collaborative Filtering™



Large Enterprise Security Update - June 2007

“Ten Percent of Web Pages Carry Malicious Code”:

Google Study: <http://www.foxnews.com/story/0,2933,273614,00.html>

"Hackers turned to web as their preferred vector of attack".

CBC News - www.cbc.ca/technology/story/2007/04/25/tech-malware.html

*These recent, independent reports indicate the growing use of Web sites and Web browsing as the vehicle-of-choice for **delivery of Malware** to your networks.*

*Continued **Web Filtering enhancement** is a primary deterrent and a clear necessity.*

*As a result of this significant threat, some large Enterprises have taken a **very aggressive approach** to Web Filtering, at the risk of less user freedom and invading personal privacy.*

ContentKeeper can now deliver the increased vigilance that is required to address this growing Malware threat.

Malware, SSL Tunneling & ContentKeeper Solutions

SSL tunneling presents a difficult challenge to many filtering products, but ContentKeeper's superior Ethernet Bridge Design already allows us to provide a range of proven solutions to deliver the most aggressive SSL protection available today.

Based on your filtering criteria, ContentKeeper provides effective Malware protection and SSL filtering options in 2 deliverables / levels of aggressiveness:

1. ContentKeeper SSL Inspector (CK-SSLi)

Most aggressive decryption and analysis of the SSL packet stream to identify and block the underlying URLs based on your filtering criteria.

2. ContentKeeper Web (CK-Web) & SSL Enhancements

Enhanced identification and filtering of SSL traffic using advanced techniques including SSL certificate authorization, custom URL blocking, and SSL connection blocking.

More Details of these 2 approaches to proxy site blocking are provided below.....

.....and a trial installation is a phone call away!



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.....**More Details**

1. ContentKeeper SSL Inspector (CK-SSLi)

For those who want to filter data **within the SSL tunnel**, *CK-SSLi* is a dedicated SSL proxy hardware appliance, designed for large Enterprises, which runs in tandem with the proven ContentKeeper Web Filtering software and appliance. Using "deep packet inspection" techniques, *CK-SSLi* identifies, decrypts, filters, blocks and re-encrypts packets, at your Internet gateway. The *CK-SSLi* package delivers all of the above ContentKeeper Web Filtering features including dedicated filtering software and gateway Appliance, Transparent Ethernet Bridge design, high performance Linux o/s, policy-driven administration, and ContentKeeper's award-winning *Collaborative Filtering*TM process with hourly URL updates.

ContentKeeper *CK-SSLi* is the most aggressive, full featured Web filtering solution available today.

2. ContentKeeper Web (CK-Web) & SSL Enhancement)

ContentKeeper's award-winning *Closed-Loop Collaborative Filtering*TM approach is a proven defense against malware and other invasive web-based threats. This protection now extends to SSL methods, commonly used to bypass filtering on other, less-robust systems.

ContentKeeper offers customized, user-configured Filtering Policies, through a combination of controls including Standard Categories, Custom Categories, Custom URLs, File Types, P2P Protocols (over 80 types), and a Live Blocking Engine. Blocking of SSL-Connect requests is also available on a Policy-by-Policy basis. These filtering methods do not compromise the privacy and security integrity of the SSL tunnel.

With File Type controls - ContentKeeper is able to block all invasive applet types such as Java, ActiveX, VBS etc. - on a Policy basis - thereby effectively shutting off the download of these programs which are common prerequisites to the establishment of SSL tunnel bypass techniques. Also, ContentKeeper's "Malicious" filtering Category blocks all known external proxy sites, and its Custom URLs feature can be applied to block any new sites that arise. ContentKeeper's *Collaborative Filtering*TM approach means that your control list of Malicious URLs is always current - updated on an *hourly* basis, with input gathered from web surfing activity by over 2-million other ContentKeeper users around the world.

In our next release, scheduled for Q3-2007, ContentKeeper will extend this functionality further. ContentKeeper will enhance its ability to detect and classify URLs in all SSL-connected sessions, including SSL Certificate verification techniques, and filter such sessions according to your customized Policy settings.

Remember, a *ContentKeeper* Trial Installation.....

.....now including *ContentKeeper* SSL Inspector (CK-SSLi)

APL Borealis: is the Canadian Distributor for ContentKeeper products, installation, support & training.
visit: www.contentkeeper.ca for details