



## Web Filtering, Mobile Security, Reporting and Load Balancing for Schools

### KEY FEATURES:

- Advanced Web Filtering
- Intelligent SSL Inspection
- Granular Social Media Controls
- 1:1 / BYOD Policy-Based Controls
- Web Activity Reporting
- Redundancy & Scalability

### MAIN BENEFITS:

- Reduce Administrative Costs
- Manage SSL Encrypted Traffic
- Secure Mobile Devices
- Enable Safe Social Media Access
- Ensure Policy Compliance
- Support Multi-Gigabit Filtering

### Flexible Web Filtering for Online and Mobile Learning

The proliferation of online and mobile learning is causing significant safety and security challenges for IT administrators and stretching IT resources and budgets beyond the breaking point. ContentKeeper's comprehensive web filtering and security solutions helps schools proactively address these challenges and ensure policy compliance both on and off campus. The solution provides the following features:

- Mobile device web access control, identification and accountability
- Real-time, intelligent SSL decryption, inspection and controls
- Granular policy-based domain and social media controls
- Comprehensive behavioral analysis, monitoring and reporting
- Real-time web content classification
- Layer 2 load balancing for high capacity / high availability networks

### 1:1 / BYOD Policy-Based Controls and Accountability

Mobile devices like smartphones, Chromebooks, iPads and other tablet devices are creating both opportunities and challenges for schools. ContentKeeper makes it easier to deploy and centrally manage a multitude of devices and ensure safe, secure web use. The solution ensures BYOD and 1:1 programs are policy compliant with accurate identification and reporting for any mobile device. ContentKeeper provides simple and cost effective solutions so schools can seamlessly manage laptops and mobile devices both on and off campus.

### SSL Decryption, Inspection and Controls

The rapid growth of encrypted websites is causing significant safety and security challenges for IT administrators. Intelligent management of SSL/HTTPS traffic is essential in ensuring policy and CIPA compliance. ContentKeeper provides high speed SSL decryption and inspection that enables full protection, filtering and policy-based controls for secure web traffic. Selective decryption ensures schools can properly manage popular domains like Google, Yahoo, Bing and Facebook and log and report on SSL web activity at multi-gigabit speeds.

### Comprehensive Centralized Reporting

ContentKeeper provides comprehensive enterprise-class reporting for monitoring web use and security threats. Management-friendly real-time dashboards and summary and forensic drilldown reports are provided to help ensure policy compliance. Scheduled report generation and automated email distribution enables IT staff to put key information in front of administrators when they need it. Real-time, online threat monitoring and alerts help prevent potential individual or schoolwide threats such as bullying, suicides or shootings.

## Granular Social Media Controls

Social media sites such as Google, YouTube, Instagram and Facebook include useful as well as inappropriate content for students. Simply blocking access to these sites denies students and teachers access to a wealth of legitimate online learning resources and collaboration opportunities. ContentKeeper provides granular control of specific application functions, allowing students and teachers to access valuable educational content, while filtering out inappropriate content. This includes access controls for YouTube SafeSearch and YouTube Channels. Dynamic Video Whitelisting allows teachers to easily manage student access to safe education videos without IT involvement.

## Multi-Gigabit Filtering and Load Balancing

As Internet bandwidth demands continue to increase, IT administrators must ensure their network infrastructure scales to support multi-gigabit network loads. ContentKeeper helps districts deploy web filtering and intelligent SSL inspection at multi-gigabit speeds. ContentKeeper also provides an intelligent, Layer 2 multi-gigabit load balancing solution for high capacity and high availability network requirements. Configurations are available for 10G to 40G networking environments. The solution offers a cost-effective alternative to load balancing and helps avoid compatibility issues with 3<sup>rd</sup> party hardware and software.

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 ContentKeeper.com

Key Features	Technical Description	Key Benefits
Physical Layer 2 Ethernet Bridge	All Internet traffic passes through the bridge. Supports migration to multi-gigabit filtering. Full native support for IPv6.	High scalability and availability. Most robust security available today. Future-proof Internet security. Ready for IPv6 and future requirements to scan beyond standard web traffic.
Web Filtering	High performance real-time web content inspection. Heuristic, dynamic web content classification. Collaborative global feedback network. Custom URL categories.	Prevent exposure of harmful content to students. Ensure CIPA compliance. Maintain safe learning environment. Acceptable Use Policy monitoring and enforcement.
Granular Social Networking Controls	Policy-based access permissions. Application sub-function controls for Google, YouTube, Facebook, Twitter and more. Dynamic video whitelisting.	Safely open access to social media sites. Help protect against cyber-bullying. Safeguard student privacy and reduce excessive time-wasting or bandwidth consumption.
BYOD & 1:1 Policy Management and Controls	Support for iOS/OS X, Windows 10, Chrome and Android devices. Laptops, Smartphones, iPads and other tablets. Operating System and device agnostic. Tamper-proof controls for iOS, Windows and Chromebook devices.	Safely and efficiently support large scale 1:1 & BYOD deployments. Utilize the latest technology and hardware as it becomes available. Ensure accurate identification, reporting and policy compliance both on and off campus.
SSL Decryption, Inspection & Controls	Selective decryption and filtering of secure web traffic. Policy enforcement of SSL credentials. Protect, log and report on SSL web activity at multi-gigabit speeds. No client software required.	Full scanning of all web traffic, including HTTPS. Ensure policy compliance. Control and filter secure web traffic without degrading network performance.
Advanced Reporting & Real-Time Alerts	Web-based multi-tenancy, multi-user enterprise level reporting. Real-time dashboards, summary and drilldown detail reports. Anti-bullying / threat tracking tools and alerts. Scheduled reporting and automatic email distribution/publishing. Delegated access permissions for teachers and administrators.	Monitor policy compliance. Gain meaningful insight into web use, security events and student activity. Enable administrators to oversee their area of responsibility and empower teachers with valuable information to maintain safe learning, curb inappropriate behavior and prevent potential individual and schoolwide threats.
Layer 2 Loading Balancing	Provides fault tolerance and helps manage increased traffic loads. Supports 1G, 10G, 20G and 40G primary link interface options.	Helps reduce costs. Provide fail-safe environment. Avoid compatibility issues with 3 <sup>rd</sup> party hardware and software.
Roles-Based Administration & Reporting	Role-based access permissions. Hierarchical policies across multiple schools, districts or domains. Delegated areas of responsibility, local policy ownership. Full configuration and administration auditing.	Establish high-level and local policy settings. Delegate responsibilities to local IT administrators but maintain oversight and control in large scale environments. Complete flexibility to conform to your IT organizational structure.
Maintenance	Automated updates and upgrades.	Worry-free administration. Save time and energy. Always up-to-date with latest security and web content classifications.
Directory Integration / Username Resolution	Automated synchronization with user authentication directories such as Active Directory, Open Directory, Google & Radius.	Automatically maintain accurate user identification and policy control. Minimal maintenance and administration.
Cloud / Appliance / Virtual Server Deployments	A range of gateway deployment options is available including a cloud or hybrid cloud-based Web filtering platform based on your requirements.	Choose your preferred IT deployment architecture to best fit your environment. Apply web filtering policies to users both on and off campus.
Keyword Detection / Search Controls	Define prohibited custom words and phrases for search engines. Detect and block profanity or threatening language in Facebook chat, blogs, Twitter comments. Detect keywords embedded in documents or files.	Block inappropriate web searches. Reduce cyber-bullying. Protect against inappropriate behavior and harassment.
Optional Anti-Virus / Malware Protection	Proactive malware prevention. Predictive file analysis. Advanced proactive threat analysis sandbox. Isolated threat identification. Signature-based anti-virus/spyware detection. Forensic malware reporting.	Robust protection against known and new zero-day threats. Allows students and staff to securely browse the web on any device both on and off campus.



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