Web Filtering
- Control access to web site categories, file extensions, and domain extensions protecting resources and minimizing productivity loss.
- Filter access of HTTP or HTTPS sites dynamically without blanket restrictions.
- Granular filtering policies allow access to specific pages within social networking sites while restricting general access.

Application Control
- Signature and Heuristics provide advanced detection of SSL based applications and proxy avoidance tools.
- Control chat, P2P, torrents, FTP transfers, gaming, and more.
- Identify and protect against internal servers, Rouge encrypted connections, proxy avoidance applications.

On Board Transparent Reporting
- Instant access to archived network activity logs.
- Real Time network activity dashboard provides instant insight on bandwidth consumers, URL accesses, trends while identifying threats.
- Provides insight on trending, information on user initiated queries, and keywords.
- Delegate access of reports for local insight on network activity.
- Proactive Threat Notification alerts designated contacts when potential threats are identified in real time.

Bandwidth Management
- Dynamically control bandwidth during peak hours insuring network critical applications are prioritized while recreational traffic is reduced.
- Unique ability to bind to network directories and apply policies against on groups, users, or subnets.
- Apply policies using predefined categories, IP/TCP, Domain to target network specific issues.

iBoss Enterprise Web Filters provide HTTP/S and web application control by combining layer 7 filtering, deep packet inspection with heuristics and signature analysis. This combination provides complete control of all data bi directionally including UDP. Transparent reporting creates valuable insight on all network traffic to quickly identify threats and data loss. Bandwidth Throttling/Prioritizing, clustering and load balancing deployment options expand with the most demanding networks.

iBoss Enterprise Web Filters Include
- HTTP/S Filtering Dynamically
- Layer 7 Application Control
- Deep Packet Inspection
- Granular URL vs. Domain Control
- Dynamic Database Updates
- Ability to Delegate Report and Filter Access
- Real-Time Network Traffic Analyzer
- Bandwidth Throttling and Prioritizing
- Archive Up to 1 Year of Data Internally

Real Time Network Activity Monitor

Control All Aspects of Web Traffic
With the expansion of Web 2.0, networks are faced with increased demand on network resources as well as increased potential for employee productivity loss as well as security risk. iBoss Enterprise provides a comprehensive solution to not only control HTTP/S and applications but also insure network critical applications are available during peak hours while reducing recreational traffic.

Social Networking and Today’s Organizations
iBoss Enterprise’s ability to filter by URL vs. Domain allows organizations to implement more flexible Internet Use Policies. Examples include the ability to allow access on an organization’s facebook page while restricting general access to facebook.com. The ability to restrict posting on social networking sites insures organizations are protected from data loss and compromise.

Unparalleled Performance
Designed for H.A. networks, iBoss Enterprise filters provide throughput and scaling options for large enterprises. Clustering, load balancing and 802.3ad integration insure control without compromise. With each appliance capable of over 4+ million concurrent TCP/IP connections, iBoss filters are designed for the most demanding networks.
Internet Content Filtering
iBoss Enterprise web filter provides URL filtering including HTTPS traffic. Utilizing a massive database of URLs which update in real time, this insures accurate filtering while minimizing false positives. URL filtering is combined with signatures and heuristics to properly identify encrypted applications regardless of port or protocol being traversed.

- URL Categorization: 75 categories which filter by URL or Domain for granular policy implementation
- Hybrid cloud database updates access local and push to the cloud databases insuring Real Time updates
- Keyword filtering allow filtering words and phrases from forums, blogs, searches, etc. High Risk and Wild Cards allow for instant notification via email to shorten responses to threat
- Safe Search enforcement re-enables safe search on all major search engines including youtube if disabled
- Virus/Malware filtering utilizing real time updates protects networks from the latest threats
- URL vs. Domain filtering gives organizations access only to the value of each domain and restricting unwanted content.
- Keyword filtering allow filtering words and phrases from forums, blogs, searches, etc. High Risk and Wild Cards allow for instant notification via email to shorten responses to threat
- Filter domain extensions and file extensions or create an allow only list to customize network access with flexibility
- Control access by directory or local group policy and implement time based controls by time of day or day of week at the group level
- Prevent dataloss on social networking sites by controlling access within these sites including posting and gaming while still allowing access to areas within these sites which require access by the organization.

Clean Access to Youtube and Google Image Searches
Youtube and Google provide access to content which is valuable to organizations but also incorporates access which may be inappropriate. iBoss provides ‘clean’ access by

- GoLiveCampus.com – a cloud based service that provides dynamic YouTube.com while stripping comments and ads from these videos and enforcing safe search. Video library allows the creation of video/media libraries where limited access users can view only approved videos. Department heads can create channels to share videos with select users.
- CleanYoutube – Provides access to Youtube.com while enforcing safe search as well as removing ads and comments insuring ‘clean’ access to only relevant data
- Clean Image Search– Beyond standard Safe Search, iBoss filters the links which feed images missed by Google Safe Search removing images in violation of the Internet use policy. Additionally, iBoss will strip comments and links from image results

Application Control
iBoss Enterprise filters through Layer 7 including UDP and utilizes signatures to pattern match applications. By utilizing signature based filtering, iBoss insures complete control of applications including SSL based regardless of ports.

- Application Filter: Control applications traversing network and restrict or allow based on Active Directory/eDirectory Groups or Subnet/IP ranges
- Allow or Restrict applications by time or day or week based on directory groups
- Identify applications including those hopping ports through SSL utilizing signatures

Filter Avoidance Controls
By combining dynamic database updates, layer 7 analysis, heuristics and signature based filtering, iBoss is able to detect and restrict proxy avoidance tools across all 65K ports

- Signature based filtering to dynamically detect Glype and other proxies as they are accessed
- Heuristics and signatures including Rogue Encrypted Connections and SSL domain enforcement detect advanced avoidance tools including UltraSurf and Hotspot Shield
- Advanced email alerts send email notifications on thresholds and triggers to proactively identify threats as they are occurring reducing response time

Delegated Access to Reporter and Filter
Delegation of reports and filter controls allow organizations to provide local access to detailed reports. This provides department heads the option to view and create specific reports throughout the day or week providing more insight on activities within their department.

- Allow access to filter or reports by directory group or users as well as IP range.
- Gain insight with the real time activity dashboard for within each department
- Create Ad-hoc reports for specific request scenarios

Flexible Directory Integration
iBoss’ unique ability to bind to multiple or mixed directories (AD,eAD,OpenDir) against one appliance provides flexible integration in even the most diverse networks.

- No Software, thin client, or proxy settings required at desktop for directory integration which provides seamless integration.

Bandwidth Prioritize and Throttling
iBoss Enterprise Bandwidth Management module provides dynamic control of bi directional traffic. Flexible rules allow to limit or prioritize based on directory groups, users, or IP/Subnet. Also, selecting from predefined categories such as ‘Audio/Video’ provides more flexible rule implementation.

- Throttle or Prioritize by Directory groups or users
- Insures select groups and users have access during peak hours
- Select from predefined categories to for ease of policy implementation in comparison to port based bandwidth management.
- Throttle/Prioritize by domain, IP, Port/Protocol
- Scheduling of bandwidth access
- Insure mission critical access while restricting recreational access during peak hours

Reporting

Analytics
iBoss Enterprise provides network transparent insight on all network traffic that traverses the network. Data is proactively indexed throughout the day allowing for drill down review and comparison. Organizations gain keen insight on trends and history for all usage including access, violations and bandwidth to identify threats and data leaks as well as adjust Internet use policies.

- Drill down through all events per day to the individual users
- Instantly compare between current data and data local data stored internally for avg. of one year
- Identify all bandwidth consumers
- Instant access to all users up to 1 year stored locally
- Identify trends, searches, and queries on forums, search engines, blogs and more.

Forensic Report Searching
Transparently access any event on the network up to one year stored on board. Results displayed instantly allowing for more dynamic forensic searches on keywords, violations, activities, usage. Callouts provide information on user search queries, exact URL accessed keywords on all events.

Search By:
- Keyword including wildcards
- Users, Groups, MAC, Comp. Name, Source/Dest. IP
- Category, Action, Start/End Time
- Dynamically search logs as far back as 1 Year
- Identify threats immediately and create automated follow up reports on events

Automated Reports

- Set up reports internally or to third parties
- Reports sent automatically by (iBoss as PDF, CSV, or HTML)
- Select from automatically generated reports or fully customized reports
- Create automated report tracking for specific events or users on the network. iBoss will track and send reports automatically
- Report on individual or groups time use, percentage of time by category, bandwidth, cost analysis to the network and more...

Real-Time Network Analysis
iBoss Enterprise provides instant insight on all network traffic traversing the network. This includes current sites accessed, top consumers of bandwidth by user name, and trending

Including:
- Live bandwidth currently consumed
- Top 2000 bandwidth consumers
- Currently accessed sites and applications
- Trends/Searches
- Identify keywords and threats

Trigger Based Auto Desktop Recording
By combining dynamic database updates, layer 7 analysis, heuristics and signature based filtering, iBoss is able to detect and restrict proxy avoidance tools across all 65K ports
## FEATURE LIST

### Threat Management
- HTTP/S Filtering
- Signature and Heuristic Application Filtering
- Dynamic Proxy Detection
- Filter Across 65K Ports

### Platform
- Secure Linux OS
- Standards-based Fail-over
- Available Fail-Safe Bypass Ports

### Configuration and Deployment
- Full Throughput Capabilities
- High Performance Transparent Inline Filtering (Not Proxy)
- Explicit Proxy Mode
- Inline Proxy Mode
- Switch with Multi-Link Trunking (VLAN Trunking Support)
- Hybrid Mode (Fixed Filtering, NTLM, and Proxy Authentication)
- Software Free Installation
- Operating System Independent
- Web Browser Independent

### Authentication
- Single Sign-On Active Directory, LDAP and NTLM Integration
- Open Directory, eDirectory Open LDAP Integration
- Transparent Authentication for Apple/Mac Devices (Hook)
- Forced Authentication for Wired/Wireless Devices
- Individual User Login Creation (SuperUser)
- No Software/Thin Client Deployment Required for Directory Integration

### Management
- Delegated Access to Filter and Reporter
- User/Group/IP-based Policy Management
- MAC-based Policy Management
- Web-Based and Remote Management
- Restore and Backup Settings
- Centrally Manage and Sync Multiple On-Premise Units (Cloud)

### Infection Access Prevention
- Drive-by Spyware Protection
- Blocks Sites Infected With Malicious Mobile Code (MMC)
- Protection Against Phishing and Pharming Attacks
- Real-Time Security Updates to Database
- Blocks Spyware and Keylogger Backchannel Communication

### URL Filtering
- 15+ Million Websites in URL Filtering Database
- 75 Web Categories in URL Database
- HTTP/S Filtering Transparently and Dynamically
- Hybrid Cloud Dynamic Database Updates 24/7/365
- Granular URL (i.e. Block Youtube, Allow Specific Videos)
- Block Page Override Through LDAP Specific to Machine
- Restrict Use of Keywords
- Youtube Video Library. Accessed On/Off Premise (Cloud)
- Delegated Media Library Management (i.e. Youtube)
- URL Exception Request Manager
- Social Network Access Control (Allow Facebook, Block Posting)
- URL Override to Domain
- Allow/Block List Import
- Restrict Domain Extensions
- Sleep Schedules
- SafeSearch Enforcement
- Dynamic Glype Proxy Detection

### Web 2.0 Application Filtering
- Layer 7 Filtering
- Signature/Footprint Analysis
- Identification Through Heuristics
- Control IM (AOL, Yahoo, MSN, Google, Camfrog, Jabber, more)
- Blocks P2P (Gnutella, BitTorrent, eDonkey, Kazaa, Skype, more)
- Blocks Proxy Avoidance Communication
- Detect ‘Rogue’ Connections - Non Standard Web Surfing
- Signature Based Control of UltraSurf and Hotspot Shield
- Restrict Google Encrypted Search

### Reporting
- Delegate Report Access to Local Levels (i.e. H.R.)
- Auto-Record User Desktop on Threshold (Stored Locally)
- Live Desktop Stealth MultiView
- Store Locally All Network Activity for up to 1 Year
- “At Your Fingertips” Report Access. No Static Reports
- Dynamic Access to All Locally Stored Reports
- Drill Down Daily Reports to Individual User Activity
- Forensic Search Capabilities with Dynamic Search Results
- Provides Search Strings
- Search All Data by Keywords w/ Wildcards
- Real-Time Bandwidth Activity Monitor (Updated Per Second)
- Real-Time Top Bandwidth Consumers Monitor
- Automated Daily/Weekly/Monthly Reports (PDF, CSV, HTML)
- Reports User Name, IP (Source/Dest.), Net Bios Name
- Auto-Generate PDF Reports on Schedules
- Distributed Reporting Provides Central Access to Multi-On-Premise Units (No VPN Required)

### Proactive Threat Notification*
- *Notifies Delegated Admins of Threats Immediately via Email
- Set Category Violation Triggers by Group
- Auto Record User Desktop/s on Triggers
- Instant Alerts on Keyword/s at Group Level
- Instant Alerts when ‘Rogue’ Activity is Detected by User

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