



Web Threat Management Datasheet

Beyond Antivirus and Email Scanning

Netsweeper web filtering is the basis for our web threat management, as it scans and blocks URIs with malicious content. Our 'in-the-cloud' AIs continuously update your protection based on the web use of millions of users worldwide. Our approach gives you better protection at a lower total cost of ownership and greatly mitigates the risk of web-borne threats.

The Web has become the primary source of infections in enterprises, surpassing even e-mail. The only reliable solution to this problem is deeper inspection and blocking on Web traffic to prevent these infections before they take root in your systems. Netsweeper offers a proven and scalable solution to defend your network against web threats.

Web 2.0 means Threat 2.0

Web 2.0 represents a fundamental shift in how we are presented with web content. Rather than content created by and hosted by trusted sources, many of the sites we visit today include anonymous collaborations such as wikis, blogs and social networking sites. Larger sites are essentially mashups of content sources. Dynamically generated content based on feeds and AJAX scripts and the like makes it very difficult to make definitive decisions about the trust level of a particular site. A single website might use more than 40 URIs in the presentation of basic content to you, which means there are now 40 injection points for web threats.

Web Threat Delivery REQUIRES a URI

While web-borne threats are more common than ever, they share a common weakness that can be used to defeat them: they all require a URI (Uniform Resource Identifier) in order to deliver that threat to your computer; and if it has a URI, we can filter it. Regardless of the method connecting you to the malicious content (phishing email, injected script, banner ad, instant message), there is always a get request for a URI and this allows Netsweeper to evaluate and (if needed) filter the URI.

Cloud-hosted AIs Scan for Web Threats 24/7

Netsweeper's cloud-hosted arrays of AIs run in their own sandboxes. These AIs scan new pages, download the content, and run all the scripts, monitoring everything in real time. Netsweeper applies a three-tiered model of analysis, evaluating the behavior, the reputation and the signature of content. Once recognized as a malware/threat, a given bit of content is categorized as such and this categorization is added to our Master Category Name Server (CNS) system, which in turn is available to all customers using Netsweeper.

Netsweeper Features, Capabilities and Specifications

CATEGORIZATION/FILTERING

- No latency for approved traffic
- Over 50 predefined categories
- Granular, URI-based filtering
- Configurable custom categories
- Dynamic categorization of new URIs
- Updated continuously, 24/7/365
- A 'learning' local cache
- Filtering for HTTP and HTTPS/SSL
- Detect & block anonymous proxies
- IM & P2P blocking
- Malware, phishing & virus blocking
- Local allow/deny lists
- Whitelist/blacklist filtering
- Application/protocol blocking
- IWF list filtering
- Wildcard support

COMPLIANCE & ACCREDITATION

- CIPA compliance
- BECTA accredited
- IWF Associate vendor

DIRECTORY INTEGRATIONS

- Integration to LDAP, Radius, AD
- Transparent authentication options

POLICY MANGEMENT

- Policies by user, group, site, IP, etc.
- Time of day policies
- 'Safe Search' enforcement
- Keyword enforcement
- Default & guest filtering policies
- Minimum filtering policy options
- Bypass/override options (w. tracking)
- Standard and custom block pages
- Thresholds & "ban/lock out" options
- eSafety "warning messages"

DEPLOYMENT OPTIONS

- DPI Integration
- Network TAP/Bridge
- Port mirroring
- Squid Proxy
- ISA Server
- Cisco/Sandvine/Procera integration
- Client Filter (Windows/Mac)
- Web API available for integrations

SCALABILITY

- Deployed in 40+ Gbps environments
- Customers with over 1 million users
- Supports billions of hits per day
- Multiple language support

ADMINISTRATION/REPORTING

- Comprehensive Web Admin
- Secure Remote Administration
- Delegation of Admin powers
- Detailed usage & traffic logging
- Standard and custom reports
- Exportable/integratable reports
- Realtime and historical reports
- SNMP support
- URL Alerts (submit for human review)

SYSTEM REQUIREMENTS

- Minimum recommended:
2GHz processor, 4GB RAM, 250GB HD
- 1 or more Network Interfaces
(system requirements vary widely based on traffic volume and deployment model; Netsweeper supports multiple-server deployments for scalability and redundancy)
- Virtualized deployment options

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