

securED 



Ultimate Threat Management

Netbox Blue's SecurED Ultimate Threat Management (UTM) solution delivers education providers the only unified solution to manage and secure all internet traffic, in and out of the network.



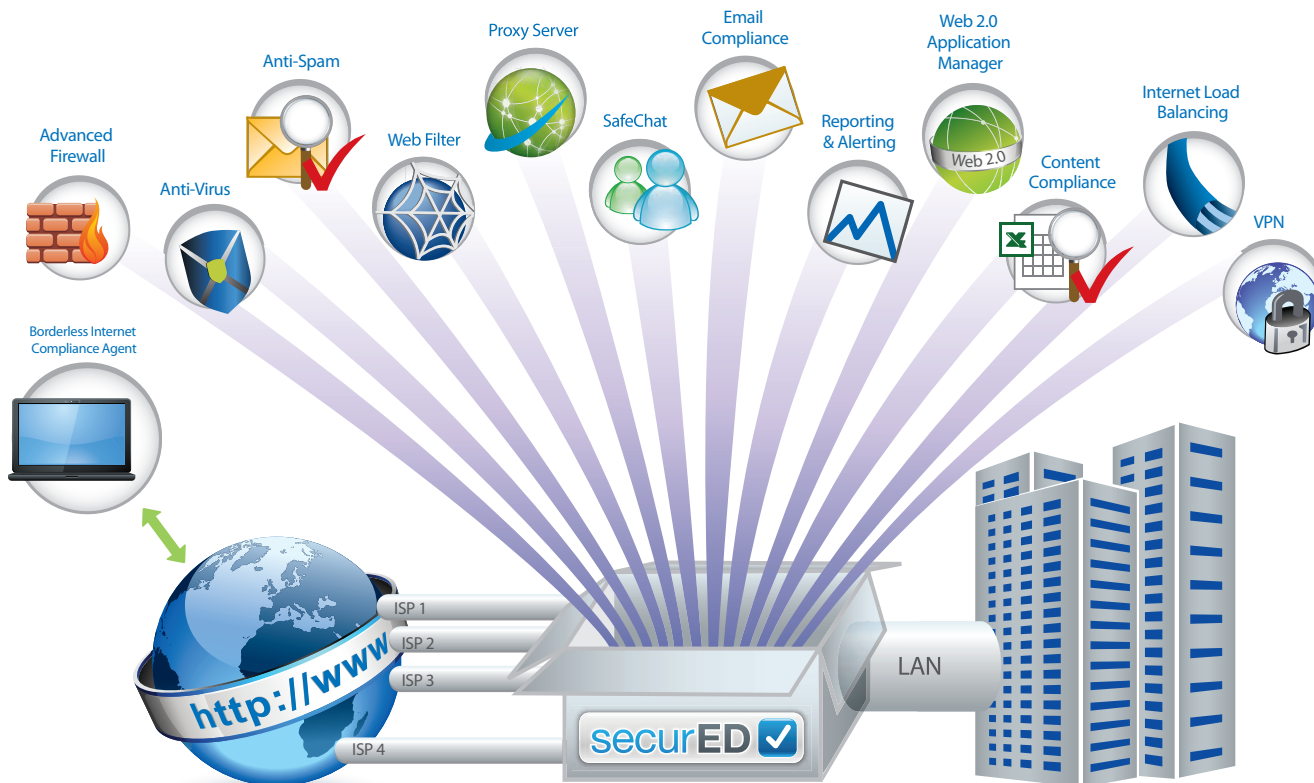
SecurED Ultimate Threat Management

Never before has the reliability of the network been so crucial to an education provider. Yet, the increase in malware threats, the proliferation of social media and one-to-one laptop programs are dramatically increasing the challenges for IT managers and administrators.

Schools, colleges and universities need advanced security protection for their network and data. They also need control over how staff and students use the internet – both inside and outside the network.

Netbox Blue's award winning SecurED Ultimate Threat Management solution is the only all-in-one technology available that offers a single device to manage these complex challenges. It has been specifically developed for schools, colleges and universities to deal with their unique IT issues and requirements.

SecurED gives an education provider the most advanced tools available to deliver its Duty of Care to internet-enabled students and staff. That means complete peace of mind for staff, protection for students and a massive reduction in the burden for IT staff.



At a glance:

- Cyber bullying prevention.
- Real-time social media moderation.
- Laptop and MacBook™ controls outside the school.
- Advanced firewall security and network attack protection.
- Anti-virus and anti-spam with real-time updates ensuring total protection.
- Advanced web filtering controls with real-time updates and page level categorization.
- Content compliance management, including data leakage and profanity scanning, where required, across all common communications, including email and attachments.
- Internet link optimization with the ability to load balance and failover across up to 16 separate internet links (including 3G).
- Advanced historical and real-time reporting, with easy to view graphs and drill down capabilities.
- Ease of use and reduced administration and frustration for administrators, staff and students, including a secure 'teacher override' capability, if required.

Detailed reporting and alerting with drill-down capabilities

Detailed reporting provides real-time or historical reporting on internet and network use for all users. These reports can be accessed via a web browser, by logging into the Netbox interface or can be automatically emailed to pre-defined contacts. Real time alerts can

also be set up to inform key contacts or administrators if any rules or policies have been breached.

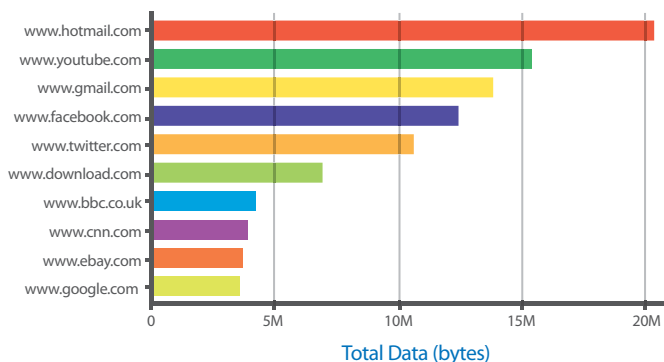
An example of the simplicity of the drill down capability and graphical reporting is shown below:

Local Computer		Data In	Data Out	Total Data
johnsonh	237M	57M	294M	
mgratha	36.3M	7.76M	44M	
jenningsl	32.4M	3.92M	36.3M	
andrewse	32M	2.53M	34.5M	
wright	31.4M	2.43M	33.8M	
burnsw	30.4M	3.13M	33.5M	
ryant	32.1M	1.14M	33.3M	
dixonm	28.7M	3.38M	32.1M	
davidsonp	29.2M	2.36M	31.5M	
smithb	29.4M	1.97M	31.4M	

This shows total data usage by user over a specific time period

Remote Computer	First Recorded	Last Recorded	Data In	Data Out	Total Data
www.hotmail.com	2011-01-13 10:01	2011-01-13 10:44	2.5M	1.74M	29.3M
www.youtube.com	2011-01-13 11:17	2011-01-13 11:49	14.0M	54M	15.4M
www.gmail.com	2011-01-13 08:09	2011-01-13 17:07	13.6M	14M	13.8M
www.facebook.com	2011-01-13 08:07	2011-01-13 17:06	11.5M	15M	12.4M
www.twitter.com	2011-01-13 08:06	2011-01-13 17:06	10.4M	15M	10.5M
www.download.com	2011-01-13 11:11	2011-01-13 14:24	6.38M	50M	6.09M
www.bbc.co.uk	2011-01-13 17:07	2011-01-13 12:20	3.64M	59M	4.24M
www.cnn.com	2011-01-13 17:01	2011-01-13 12:09	3.0M	63M	3.07M
www.ebay.com	2011-01-13 12:09	2011-01-13 12:50	3.6M	20M	3.7M
www.google.com	2011-01-13 09:30	2011-01-13 15:13	2.73M	91M	3.65M

This report shows the detailed activity of a single user

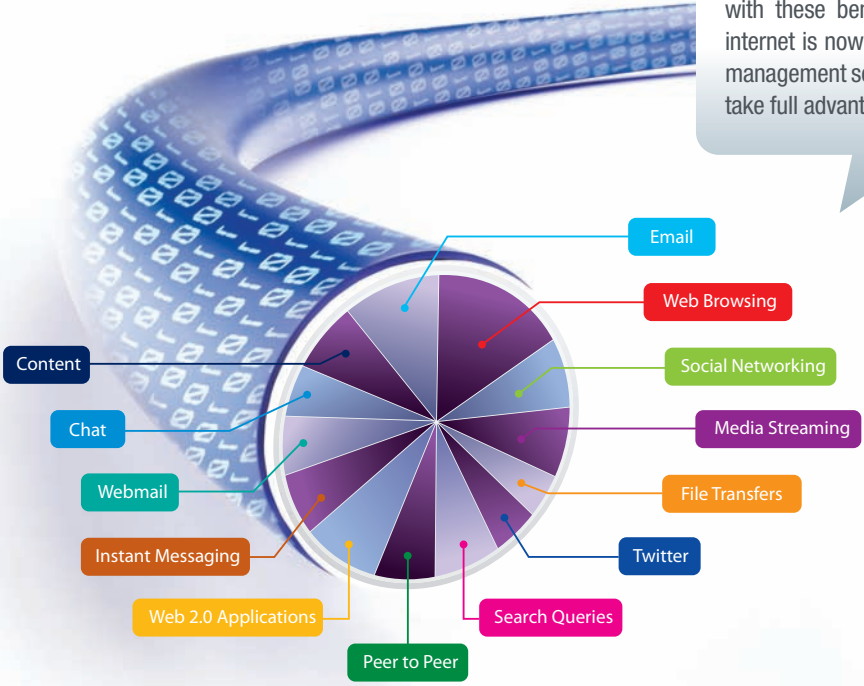


This detail shows another way of looking at a user's activity over a specified time.

This can be further analyzed by clicking through to find the type of traffic and time of use.



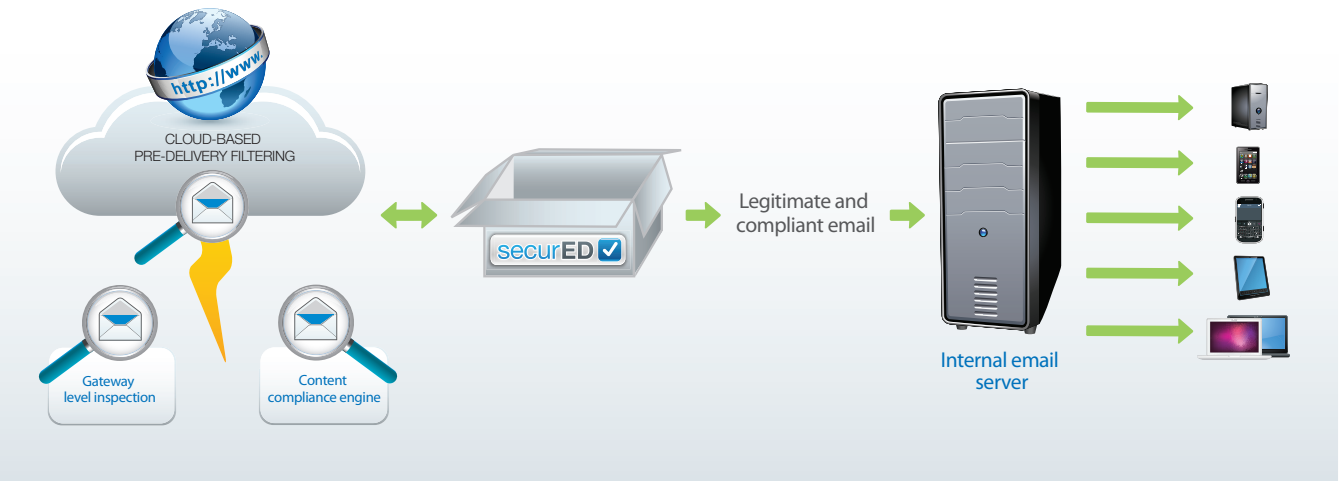
The internet offers huge advantages to organizations but along with these benefits come the risks from the many ways the internet is now used by staff. Netbox Blue's unique total internet management solutions address these risks and help organizations take full advantage of the opportunities the internet presents.



Other core capabilities include secure VPN capabilities, an integrated web proxy and an easy-to-use GUI with secure web-based access. The solution is fully managed and is seamlessly updated using Netbox Blue's Push Technology framework. This ensures all security features and virus updates are continually updated in real-time with no administrator intervention required.

Advanced email filtering

Netbox Blue's advanced email filtering capabilities deliver real business benefits – dramatically reduced administration, near zero false positives and the most advanced spam filtering and content compliance capabilities in the world. The multi-level filtering is summarised below.

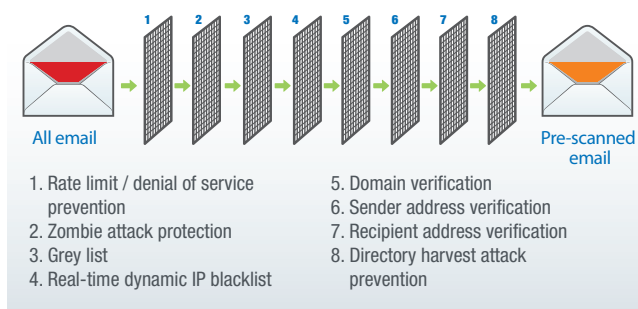




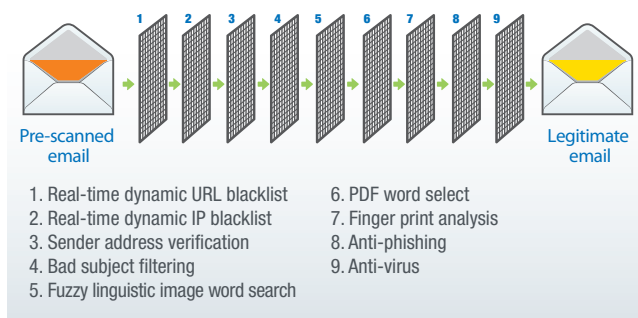
Multi-level and layered inspection, filtering and compliance management

The three levels of filtering provide the finest level of accuracy and control over all email traffic. The three separate filtering and compliance engines ensure the greatest degree of predictability and accuracy across all email traffic.

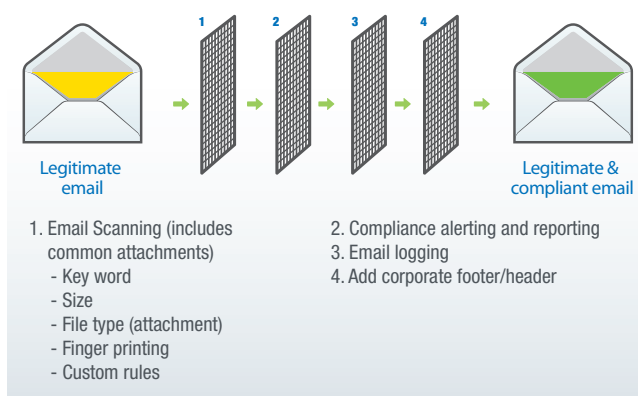
1. Cloud-based pre-delivery filtering



2. Gateway level inspection and filtering (including POP3 email scanning)



3. Content compliance engine



The SecurED UTM also offers the ability to integrate into the same solution a range of unique and valuable premium feature options:

- **SafeChat®** provides real-time social media and Web 2.0 communication management and moderation. SafeChat® seamlessly scans all internet traffic to identify the most common social media and Web 2.0 applications use including Facebook, Twitter, Gmail, Windows Live Messenger, MSN, Google Talk and popular search engines. It can then block this from being sent or seen. SafeChat® can be used to help prevent issues such as reputational damage and data leakage across social media, as well as to alert management of any inappropriate communications – for example profanity.
- **The Borderless Internet Compliance (BIC) Framework** enables a company to implement its acceptable use policies for all internet and social media use on any device using the company's internet services and on any Windows or Mac OS device* outside the network, irrespective of internet access service.
- **NetGuard IPS** offers advanced protection against network intrusions and botnet attacks and also offers an advanced Web 2.0 Application Management framework. This gives administrators the ability to detect and block traffic by individual application, covering P2P, Instant Messaging, Gaming, etc. This capability has flexible policy setting and integrated reporting and alerting capabilities.
- **PipePlus®** offers internet link aggregation, load balancing and automatic failover and fallback. It covers all internet links, including ADSL, 3G and even satellite.
- **Microsoft Exchange Plug-in** enables a company to route all internal email through the Netbox UTM to scan for content compliance and viruses.

Netbox Blue's advanced technology gives an education provider total control over all internet use and complete perimeter security and malware protection. Netbox Blue's range of advanced premium features offer unrivalled flexibility and control, enabling a school or university to make one investment in a technology solution that not only delivers security and content compliance but also provides an unrivalled ability to manage Web 2.0 applications, social media and even laptops and MacBooks™ outside the network.

*Windows refers to Windows Vista, XP and 7 and Mac OS refers to v 10.6.5 and later.



Netbox Blue's SecurED UTM offers many features, including the following:

- **Cyber bullying prevention engine** offers the ultimate control over all forms of digital communication – including email, Facebook, Instant Messaging and other common social media applications (when using our patent pending SafeChat® technology).
- **Category Web Filtering** utilises the latest in hybrid cloud-based and local technology to deliver the ability to flexibly and instantly manage web access by category of website with real-time updates of new websites and existing sites, down to a page level. This feature includes **Netbox Blue's Zero Day Anonymous Proxy Protection. (ZDAPP)** where anonymous proxies are automatically identified and blocked, preventing users from circumventing the web filtering policies. The solution also includes Netbox Blue's real-time URL malware detection service with full zero-hour threat prevention. All sites are frequently re-categorized and the service is language and location independent. New sites are auto-categorized in real-time with any sites that cannot easily be auto-categorized being processed within hours by a global team of multi-lingual web analysts.
- **Laptop and MacBook™ controls** when used on or off the network. This unique technology enables full policy enforcement across web browsing and common social media platform use, no matter where or how a student or staff member accesses the internet (using the Borderless Internet Compliance framework).
- **Next generation spam filtering** prevents most spam from even being downloaded – saving valuable bandwidth and mail server performance degradation. Advanced gateway spam filtering filters out all remaining spam, leading to near zero false positives and zero administration overhead.
- **Content compliance engines** provide the ability to manage all forms of content received, sent or accessed over the internet by any member of staff and students.
- **Enterprise class managed firewall** provides protection against external threats, including Denial of Service attacks, Brute Force attacks, malware, remote intrusion and more.
- **Protocol neutral anti-virus scanning** ensures that all traffic across all ports and protocols is inspected, preventing any viruses from impacting the network. This advanced capability includes the scanning of secure, encrypted web traffic over HTTPS (SSL) connections.
- **Email and attachment content controls** extend the capabilities to allow scanning of all email and common attachments for inappropriate or confidential communication
- **Internet quota and traffic management** provides total flexibility to an administrator to prioritize bandwidth-hungry or critical applications and to manage, charge and account for internet usage via user and group data quotas.
- **Real-time and historical reporting** with automatic alerting for policy breaches and drill-down graphical reporting for ease of management.



Summary of key benefits:

- Cyber bullying prevention
- Real-time social media moderation
- Borderless Internet Compliance across laptops and MacBooks™ used outside the network
- Ease of use and reduced administration and frustration
- Advanced firewall security and network attack protection
- Malware protection
- Anti-virus and anti-spam with real-time updates ensuring total protection
- Content compliance management, including data leakage and profanity scanning, where required, across all common communications, including email and attachments
- Advanced web filtering controls with real-time updates and page level categorization capabilities
- Web 2.0 application detection, alerting and controls
- Advanced historical and real-time reporting, with easy to view graphs and drill down capabilities
- Internet link optimization with the ability to load balance and failover across up to 16 separate internet links (including 3G)

Deployment flexibility:

Netbox Blue SecurED solutions are available in a range of flexible deployment options.

For smaller schools (up to 30 users) Netbox Blue offers its mini Netbox appliance. This is a custom designed, office environment system with no requirements for computer room technology.

For most schools or universities Netbox Blue provides its i-Series hardware appliance. This is a highly scalable custom-built IBM system that includes hardware RAID and easy-to-use hot-swap hard drives on the higher end systems. Redundant power and fans are standard on higher-end systems and are a configurable option on smaller systems. These capabilities deliver high levels of resilience for the hardware platform. Rapid on-site support is also provided by IBM.

The Netbox was the world's first virtual internet security appliance available on VMware. It is also supported on Hyper-V for smaller schools.

The UTM integrates with group directory services including Microsoft Active Directory, Apple Open Directory and Novell eDirectory (or even a local user database). Networks of any size can be accommodated with the scalable framework and the appliance can be implemented as a gateway device or with reduced internet management capabilities as an in-line, transparent solution to manage specific vulnerabilities within the network or on laptops outside the network, utilising the BIC framework.

Ease of use

The Netbox Blue user interface is web-based and can be accessed from any browser or internet-enabled device such as an iPhone or iPad. The GUI is highly intuitive and is very simple to navigate with full on-line help available.

Support

IBM provides on-site support for its custom-built IBM systems and this service can be tailored to suit an organization's individual requirements.

Netbox Blue offers support through its network of distributors and resellers.

Netbox Blue offers the following unique Services capabilities:

- Major firmware updates approximately every 6-8 weeks
- Dynamic back-up and restore engine for all policies and settings
- Ant-virus, anti-spam and other security updates (automatically updated using the seamless Netbox Push Update Technology framework)
- Access to real-time cloud-based spam databases
- Updates to Category Web Filtering, SafeChat®, PipePlus and Netguard IPS (if purchased)
- Standard feature enhancements (non-premium modules)



Advanced
Business
Partner



Beacon Award
Winner 2011

The 2010
IAWARDS



Consensus
Software
Awards 2010



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www.netboxblue.com

Why Netbox Blue?

Netbox Blue is a leading provider of innovative internet compliance, management and security solutions. Netbox Blue provides organizations with unique, real-time social media analysis and controls with predictive outcomes and benefits. The company owns granted patents around this unique technology and has other patents in the process of being granted. The company was established in 1999, is privately held and is based in Australia. It has a presence in over 19 countries and has partnerships and distribution agreements with some of the world's largest IT companies.

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