

Next generation web
management solutions
for **Education**

The Bloxx TVT and Impresa ranges offer maximum Internet protection, large cost savings and easy administration delivered with fantastic support.

Worrying Issues

The security issues associated with Internet use within government establishments are extremely important and if an appropriate Internet policy is not put in place and an effective Internet management solution implemented, the consequences can be devastating.

Legally, inappropriate Internet access can have serious ramifications. For instance, it is increasingly common for employees to sue employers over exposure to offensive material within the workplace. The government is above all accountable to the taxpayer and issues such as these, which ultimately cost money, have to be managed effectively in order to maintain good public relations.

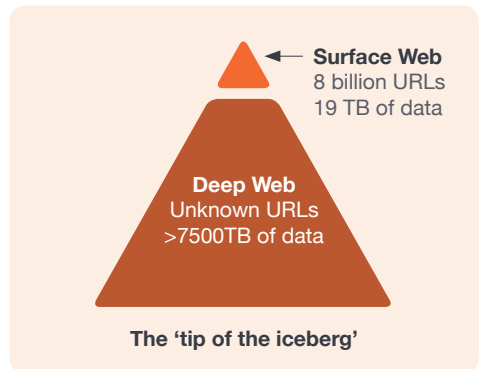
These issues emphasise the need for a thorough and comprehensive Internet security system that can make the best use of the resources available to an organisation.

Web Filtering – The Old Way

Traditionally, Internet access solutions have relied on a regularly updated database of URLs, which are categorised into various groupings. The IT administrator can then decide on what types of access users will be allowed, at what time of day. This is effective up to a point but with an estimated 7.5 million new URLs EVERY DAY, clearly the task of keeping a database up to date manually is at best impractical, but more realistically impossible.

The Size of the Problem

The Internet can be split logically into two, often referred to as the Surface Web and the Deep Web.



The Surface Web may be thought of as the 'tip of the iceberg'. The number of URLs in existence is impossible to quantify. The Surface Web is estimated to consist of over 8 billion URLs, while the Deep Web is estimated to be 400-600 times this size, or to put it another way, 19TB vs. 7500TB (1 Terabyte = 1000GB or about 715,000 floppy disks!).

The Deep Web includes information such as data stored in university databases. Interestingly, 95% of the Deep Web is accessible to the public. The danger of Deep Web content is that sites with negative content, such as terrorism or paedophilia, are often in this area of the web.

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The problem for URL based solutions is that the web is simply too big and growing too fast to catalogue. The danger subsequently for the end user is that no matter how big the URL database, they are MASSIVELY exposed to an estimated 95% of web content. Clearly there is a need to do things better!

Scanning of Websites

Several companies have attempted to implement solutions to dynamically identify web content. However, these solutions have experienced a number of difficulties concerning performance, cost, accuracy and stability. Very obviously, when trying to achieve this task using technology, accurately identifying the content of any given page is essential.

Some solutions rely solely on a dynamic scanning technique (with 3rd Party URL database as an added cost option), which can be very easily circumvented by simply using different language terms.

However, there is value in both URL database and Dynamic Scanning approaches.

Bloxx Approach – Tru-View Technology

Bloxx Tru-View Technology analyses requested web material to determine if the user should be allowed to view it or not. This will not only stop nasty content reaching the user's desktop but will also give enhanced control over access to other types of 'inoffensive' but time consuming websites, such as gaming and social networking sites.

Using live analysis with contextual understanding, Bloxx Tru-View Technology views the hidden depths of the Internet to rapidly

classify web traffic in real time. You can be confident you have up-to-the-minute protection and control over web traffic through your network.

Extra Benefits

File downloads, online chatrooms and blog spaces can be controlled as well as IM and P2P applications, meaning you can free up bandwidth for your network through having more effective control over these applications.

Anonymous proxies – which let students bypass filters – are blocked instantly with Bloxx meaning your students can't access the internet through the back door.

You can also choose to enable the Safe-search feature on Internet search engines so that students cannot bypass it and access inappropriate material.

Due to the essential nature of education, many types of sites need to be accessed by users and the flexible group policies within the Bloxx system provide for these diverse requirements. Also, Bloxx's thorough and clear reporting allows you to see if your group Internet policies are working sufficiently or if they need fine tuning, and provides invaluable real time monitoring to see which users are frequently violating policies.

Our proven track record in the education sector demonstrates how Bloxx fulfils schools, colleges and universities' Internet security needs.

Call now on 08700 4 25699 or visit bloxx.com for more information or to book a free demo.



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