



STEALTHWATCH ADDRESSES HIGHER EDUCATION'S NEED FOR GREATER NETWORK CONTROL AND SECURITY

Network Security Challenges of Higher Education

Universities and research institutions have open computing environments that introduce risk and unusual challenges compared to most commercial industries which can implement perimeters to protect internal networks. As academic institutions move more and more core processes – learning, research and service – to the Internet, they must allow new and unknown hosts onto the network in order to support thousands of students, faculty, staff, global research communities, etc. across their massive, high speed networks.

These open, “wild” environments create unique challenges:

- ▶ **Wasteful Bandwidth Consumption** - Constraining bandwidth utilization due to recreational, gaming, social networking and peer-to-peer applications
- ▶ **Network Security** - Remediating malware infections and propagation without signatures; scaling protection to highly trafficked networks; host access and data transfer by external IPs; and analyzing and prioritizing security events
- ▶ **Privacy** - Protecting personal student and faculty information and valuable proprietary research
- ▶ **Identity Tracking** - Monitoring student activities and personal data access; monitoring copyright infringement issues involving organization such as the Recording Industry Association of America (RIAA) and Motion Picture Association of America (MPAA)
- ▶ **Compliance** - Demonstrating compliance with government and private industry regulations

StealthWatch Addresses Higher Education Challenges

Lancope’s StealthWatch System collects and analyzes flow data to detect host and network anomalies, delivering numerous benefits for both network and security operations:

Traffic Monitoring & Accounting	StealthWatch quickly analyzes traffic statistics to identify oversaturated links, top talkers and services in use and many others.
Network Security	StealthWatch rapidly detects and prioritizes suspicious and malicious host and network behaviors such as worm propagation, rogue servers, unauthorized access and services, and security policy violations
Network Visibility	StealthWatch provides end-to-end view of what’s actually happening across the entire network
Identity Tracking	StealthWatch automatically ties all host and network activity to IP, username and systems involved
Compliance	StealthWatch helps demonstrate compliance for government and private industry regulations

University Testimonials

<p>Recovers Wasted Bandwidth</p>	<p>“The StealthWatch system proactively manages the utilization of our network, identifying and removing sources of inappropriate traffic.”</p> <p style="text-align: right;">University of Nottingham</p>
<p>Secures Networks</p>	<p>“StealthWatch is an incredibly useful tool for blocking external reconnaissance traffic and locating compromised systems throughout our campus. In fact, StealthWatch detected two major systems that were exploited, a problem that was not seen with our current IPS devices.”</p> <p style="text-align: right;">Illinois State University</p>
<p>Rapidly Identify and Respond to Incidents</p>	<p>“The tabbed layout in the StealthWatch GUI gives us an intuitive way to run several reports in parallel, so we can quickly and easily verify all aspects of a network incident, including the behavior of key hosts, historical incidents of a similar nature and other trends”</p> <p style="text-align: right;">University of Adelaide</p>
<p>Trace Offending Connections to Users, Systems</p>	<p>“Only when we have evidence of unwanted behavior, can we take action against person(s) responsible for the unwanted behaviour. That is where NBA fits into the picture and delivers the greatest value.”</p> <p style="text-align: right;">Grafisch Lyceum Rotterdam</p>
<p>Maximize Staff Effectiveness</p>	<p>“Northern Illinois needed a secure appliance that could alert to most kinds of malicious traffic and that required no more than 30 minutes per day to manage,” said Richardson . “After tuning, StealthWatch required only 15 minutes a day to manage and did not demand signature-updates.”</p> <p style="text-align: right;">Northern Illinois University</p>
<p>Enable Proactive Traffic Monitoring</p>	<p>“StealthWatch is an enabler that not only provides you with visibility, but also ability. StealthWatch offers an opportunity to move from reactive to proactive and to be able to lock down those occasions when you just don’t know! I am confident that StealthWatch will become one of the mainstays of our network and along with the other tools in our toolkit will help us to maintain a healthy and reliable network.”</p> <p style="text-align: right;">University of Westminster</p>



Educause Identity Management Services Program (IMSP)

A proud supporter of the EDUCAUSE Identity Management Services Program (IMSP), Lancope helps academic institutions protect their networks and enhance network and security operations with preferred member pricing for Lancope’s identity tracking solution the StealthWatch IDentity-1000 appliance, a component of the award-winning StealthWatch System. For more information, visit <http://www.educause.edu/LancopeProductsandServices/12827>

For more information, please contact 888.419.1462 (US), +1 770.225.6500 (International), or sales@lancope.com