

Maximizing Enterprise Security and Access Control with Bradford Networks NAC and Top Layer IPS

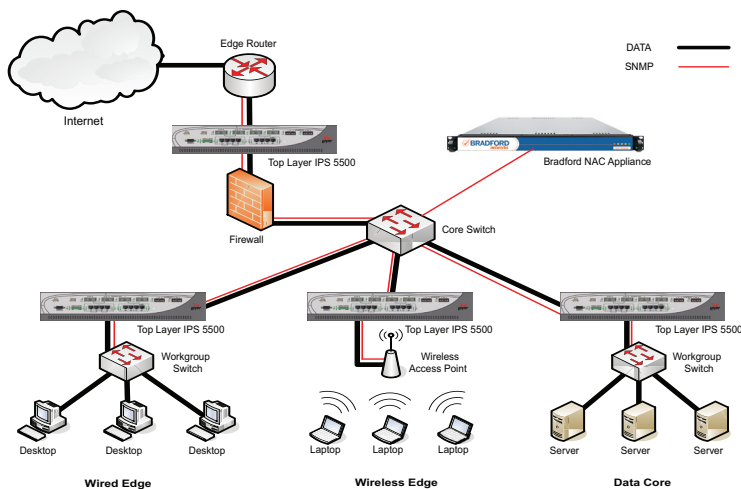
Threats in today's networks originate from endpoint devices as well as from within the network itself, and no single security solution can provide complete end-to-end protection. Instead, a layered, defense-in-depth security approach is the most effective in protecting users, endpoint devices, and the information transported over the network.

A new integration between Top Layer's IPS 5500 E-Series Intrusion Prevention System and Bradford Networks' Campus Manager and NAC Director solutions allows organizations to automatically thwart network attacks and vulnerabilities, and to take appropriate responsive actions – such as quarantining threatening endpoint devices – at the edge of the network where traffic originates.

This joint solution combines award-winning IPS and NAC solutions from Top Layer and Bradford to extend security protection from the network core out to the point of network access. The technology integration allows organizations to continuously assess their networks for security threats, identify responsible users and/or devices, and take appropriate actions to ensure continued security and availability of network services.

HOW IT WORKS

If endpoints on the network begin to exhibit malicious or threatening behavior, Top Layer's IPS 5500 E-Series quickly identifies the offending behavior and sends alarm notification to Bradford Networks' NAC solutions via SNMP or Syslog.



Bradford Networks' SNMP/Syslog management feature allows these Top Layer IPS notifications to become NAC event/alert pairs, which are mapped to specific network access control actions. Depending on the environment and the policy, this action could be as simple as sending an email to an administrator or as drastic as moving the offender's switch port to an isolation VLAN. Top Layer's ability to monitor real-time network traffic for threats and Bradford Networks' ability to enforce granular access control policies across wired, wireless, and VPN connections delivers a true end-to-end, integrated security solution.

By working together, the combined technologies deliver pre-connect user authentication and endpoint compliance assessment with post-connect monitoring, policy enforcement, and threat containment to deliver a cost-effective and comprehensive security solution.

INTEGRATED SOLUTION BENEFITS

Bradford's NAC solutions deliver comprehensive identity management, endpoint compliance, and usage policy enforcement capabilities that minimize the potential for security threats entering the network.

By combining this with Top Layer's IPS 5500 E-Series for continuous network traffic monitoring, enterprises can rapidly identify compromised or threatening endpoints and launch automated responses.

Benefits of the combined solution include:

- Provides security enforcement from the core to the edge of the network
- Extends value of existing network infrastructure while enhancing security
- Reduces time to resolution of policy violations and network incidents
- Provides a cost-effective, defense-in-depth network security solution

**Top
Layer[™]
Security**

 **BRADFORD**
networks

TOP LAYER'S IPS BENEFITS

The IPS 5500 E-Series is Top Layer's most advanced third generation family of Intrusion Prevention Systems, designed to deliver non-disruptive protection against constantly evolving threats. It provides maximum protection for critical IT assets while allowing full access to legitimate users and applications.

Comprehensive Network Security through Three Dimensional Protection (3DP)

Top Layer's enhanced E-Series provides expanded Three Dimensional Protection (3DP) for servers and client desktops. 3DP is a multi-staged defense that ensures all traffic is properly and efficiently inspected in order to prevent exploits of critical vulnerabilities; keep spyware, viruses and other malware out of the network; thwart advanced hybrid and application level attacks; and much more.

Robust Protection without Sacrificing Network and Application Performance

Top Layer's purpose-built ASIC and FPGA-based architecture, featuring Gigabit speed TopInspect™ deep packet inspection algorithms, provides real-world protection at real-world performance levels. Top Layer delivers high levels of inline protection at industry-leading performance levels while minimizing latency, a critical factor when deploying security devices in a network.

TopResponse™ Research and Update Service

TopResponse, an Automated Protection Update Service, provides advanced security services to maximize security, availability, and performance. TopResponse offers proactive protection from zero-day threats and resolution to security issues. Specifically, TopResponse provides automated updates, technical support, security advisory and software subscription services, along with access to Top Layer's Security Knowledge Base and special delivery programs. Customers will feel confident that their network's security is protected and operating at optimal performance.

BRADFORD NETWORKS' NAC BENEFITS

Bradford Networks offers an integrated and comprehensive NAC architecture that leverages the existing network infrastructure, allowing security issues to be identified and resolved immediately. Bradford Networks' NAC solutions deliver identity management, endpoint compliance, and usage policy enforcement across heterogeneous networks including wired, wireless, and VPN connections.

Edge Enforcement

Bradford Networks' edge enforcement provides the most secure and flexible enforcement of security policy by taking action at the point where users and devices access the network – at the edge. Bradford's edge enforcement implementation is also highly scalable and cost-effective.

Out-of-Band Implementation

Bradford Networks' NAC solutions leverage the unique security features and capabilities of installed networking devices. This allows organizations to leverage all past and current infrastructure investments, while maintaining high network performance and availability, as the NAC solution will not be a bottleneck or single point of failure.

Unique 7 Point Identity Profile

Bradford Networks' NAC solutions create an advanced 7 point identity profile linking the user name, user role, device name, MAC address, IP address, physical network access point, and access time for each user. This gives administrators the ability to effectively locate, monitor, control, and resolve threats down to the exact point of access.

ABOUT TOP LAYER SECURITY

Top Layer Security is dedicated to its role as a leading global provider of Network Intrusion Prevention Systems (IPS), developing and bringing to market network security infrastructure solutions that help commercial and government organizations protect their critical on-line assets from the losses and risks associated with cyber threats. Top Layer Security is headquartered in Westboro, MA.

ABOUT BRADFORD NETWORKS

Bradford Networks develops advanced network access control solutions for wireless, wired and VPN networks. Bradford's patent-pending, award-winning, out-of-band appliances leverage existing network infrastructure to automatically enforce NAC policy at the network edge, making networks more secure and efficient. Privately held, Bradford Networks is located in Concord, N.H.