Advanced Threat and Data Protection

with Behavioral DLP and Sandboxing

Today's advanced persistent threats (APTs), malware and data-stealing bot infections are using port-evasive techniques to invade you network, where they can stay hidden for weeks. iboss Advanced Threat and Data Protection's proprietary stream-based technology protects networks with unrivalled visibility and control of the entire Web stream, delivering advanced features that include Behavioral Data Loss Prevention (DLP) and advanced Sandboxing.

Benefit Highlights

- Detects hidden advanced threats other solutions miss with visibility over all 131,070 data channels on your network

- Proactively scans outbound streaming data to detect and analyze anomalies and prevent data loss with locks and alerts

- Shortens time to mitigation by dynamically tracking threats with exclusive GeoMapping technology

- Scans for risks per user or group rather than IP address, including mobile users, with streamlined directory services integration

- Isolates potential threats for analyses and mitigation with best-of-breed sandboxing

Feature Descriptions

Behavioral Data Loss Prevention

iboss stream-based technology scans all of the 65,535 UDP ports sending streaming data transfers in and out of your network. It integrates with best-of-breed signatures and heuristics to identify and prevent threats and sensitive data loss that other solutions miss:

- **Stream-Based Anomaly Detection** scans your outbound traffic and measures data transfers against a network baseline to detect anomalies. Once an anomaly is found, our proprietary technology can stop the data transfer mid-stream, quarantine it and send an alert, giving you

time to mitigate threats before they cause data loss.

- **Threat GeoMapping integrates** with the iboss Threat and Event Console to deliver exclusive threat GeoMapping and heat maps that pinpoint threats across a global map. This shortens your response time and reduces total cost of ownership (TCO).

- **Streamlined Directory Services Integration** supports Active Directory, eDirectory, OpenLDAP, Oracle ID and others, to give you detailed user and group-based reports and alerts, for accurate policy enforce-

Deployment Options:
✓ Appliance   ✓ Hybrid   ✓ Cloud

iboss Advanced Threat and Data Protection Features

Advanced Threat Detection

- APT defenses across the full Web stream
- Blended malware detection including signature and signatureless
- Thwart attacks such as network probes and port scans
- Application- aware policy enforcement identifies at–risk users and infected machines on the network
- Deep HTML analysis prevents threats embedded in web pages
- Extends data protection to mobile and BYOD users

Outbound Data Loss Protection

- Scans user-generated content on key Web protocols
- Secures data leaks on blogs, wikis and application sites
- Block suspicious transmission to mitigate data loss

Comprehensive Threat Visibility

- Up-to-the-second high risk activity feeds
- Monitor inbound and outbound movement across all data channels
- Identify infections already on your network
- Gain the visibility needed to quickly mitigate malware infections
- Dynamically access historical data to investigate malware and data movement
- Integration across directory services for accurate user-based reporting
- Exclusive GeoMapping technology identifies physical location of threats

ment and data loss prevention across all mobile/BYOD users. This provides detailed intelligence beyond standard IP-based reporting, which gives you only limited capacity to identify advanced threats and risks.

Advanced Sandboxing

iboss Sandboxing technology is a crucial capability for defending against advanced persistent threats (APTs) and zero-day attacks that often go undetected by legacy security solutions. Sandboxing provides a secure environment on the network where suspicious files can be isolated and analyzed, to identify and mitigate threats and prevent future exploits. iboss Sandboxing identifies and stops advanced threats using both network and object analysis techniques for unrivalled accuracy. Exclusive full-system emulation functionality not only dissects APTs but also the advanced malware created to evade detection by standard sandboxing technology. iboss Sandboxing delivers unrivalled benefits:

- **Deeper insight into the root-cause of malicious actions** with exclusive high-resolution security analysis. iboss Sandboxing isolates and dissects files for deep analyses,

"The manner in which their technology was architected from the beginning makes the iboss platform very good for large deployments. Their technology has the ability to scale into high-bandwidth applications with low latency — that is a distinct competency of iboss."

Frank Dickson
Industry Director, Network Security
Frost & Sullivan

providing the complete taxonomy of advanced malware behavior that enhances resilience to future malicious evasion techniques.

- **Actionable threat intelligence** is provided by correlating advanced malware analysis with large-scaled active threat discovery and data mining of network traffic. By combining both network and program analyses, iboss delivers threat intelligence that informs your mitigation response.

- **Streamlined integration into the iboss Web Security solution to deliver** multilayered protection against APTs, zero-day attacks, evasion techniques and other malicious exploits.

iboss Next-Generation Solutions

In addition to the Web Security Suite, iboss offers expanded modules for comprehensive protection. All modules are completely integrated with Web Security Suite to deliver aggregate, single pane of glass reporting:

- **Web Security Suite with integrated BYOD and Bandwidth Management**
- **Advanced Threat and Data Protection with Behavioral DLP and Sandboxing**
- **Mobile Security with integrated MDM**
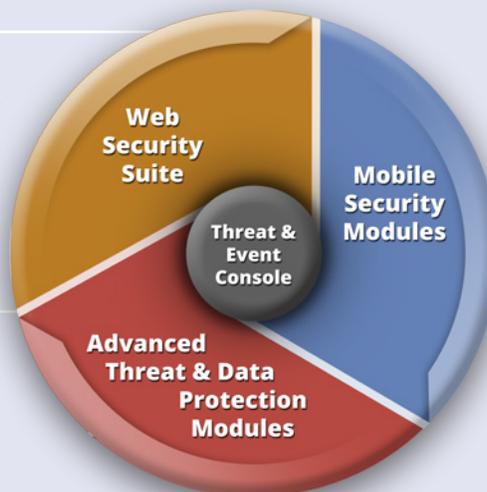
About iboss Network Security

iboss Network Security is a leading provider of innovative Web Security, Mobile Security and Advanced Threat & Data Protection Solutions. Backed by cutting edge technology built for Web 2.0 and beyond, with unparalleled visibility across all inbound/outbound data channels and port evasive applications. Our scalable solutions offer advanced features designed for today's complex borderless networks. Leveraging leading threat protection and unsurpassed usability, iboss is trusted by millions of users worldwide and has an industry leading 99.8 customer retention rate.

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