iboss **Cloud**

Delivering the iboss Next-Gen Secure Web Gateway Platform via **Direct-to-Cloud Technology**

Highlights

✔ Secures sites direct to cloud, eliminating the need to backhaul data or deploy and manage endless racks of hardware

✔ Offers more traffic redirection options including GRE, IPSEC, WCCP, agents and native integration for iOS and Android without the need for Samsung KNOX. The flexibility of the cloud platform simplifies this integration even in the most complex or distributed environments

✔ Ensures multitenancy, infinite scalability, rapid elastic load balancing and resilience for optimal performance and efficiency

✔ Provides stream-based visibility and control across all ports and protocols, including TOR and similar protocols that hide threats

✔ Delivers location-aware security that routes your data to the nearest data center for regulatory and legal compliance

✔ Includes unique containerized technology so your organization's data is secure and never overlaps with any other organization's data

✔ Provides optional Customer-Hosted Cloud configuration, allowing you to store your data locally and scale requirements, and is 100% synched with iboss Public Cloud

iboss Cloud Platform Modules

iboss Secure Web Gateway

■ **Advanced Threat Protection:** Inline visibility and control across all inbound/outbound data channels

■ **Granular App Management:** Stops port-evasive threats

■ **SSL Management:** Latency-free protection with selective decryption

iboss Advanced Threat Defense

■ **Behavioral Sandboxing and IPS:** Blocks APTs and targeted threats

■ **Network Anomaly Detection:** Finds and contains active infections before data loss occurs

■ **Incident Response Center:** Translates events into actionable intelligence

iboss Mobile Security and MDM

■ **Secure All Users:** Any platform / any device with granular built-in BYOD and optional MDM

■ **Centralized Management:** Secure all devices across mixed-mobile deployments

■ **Consolidated Reporting:** Aggregate reporting and dashboards across all users whether on or off-network

iboss Cloud delivers the iboss Secure Web Gateway Platform via direct to cloud architecture backed by over 80 security patents for unparalleled protection against advanced threats, with the scalability, resilience and efficiency you expect from a cloud solution. iboss Cloud's unique containerization technology ensures your organization's data is secured and encrypted and never overlaps with another organization's records, giving you single-tenant security in a multitenant solution. And iboss Cloud can be customized to fit your organization's requirements, with no backhauling of data, no hardware footprint, and the rapid elasticity that ensures optimal scalability and performance.

Infinitely Scalable and Purpose-Built for the Cloud

iboss patented technology was built for the Cloud from the ground up with proprietary architecture that is infinitely and rapidly scalable and self-healing, and has automatic load balancing. Today, iboss Cloud secures some of the largest mission critical networks, protecting millions of end users efficiently. iboss Cloud provides unsurpassed resiliency and redundancy in the cloud for optimal performance and 99.999% SLA.

Features

Advanced APT Defense Technology

iboss Cloud delivers 100% of iboss Secure Web Gateway Platform features instantly and seamlessly, including FireSphere Advanced APT Defense. Leveraging iboss visibility across all 131,000 ports and evasive protocols, iboss continuously monitors inbound and outbound traffic to stop evasive malware, detect active infections and stop data exfiltration before loss occurs. iboss Cloud APT defense features include:

- ✔ Distributed Behavioral Sandboxing – Cloud technology supports multiple sandbox instances to isolate and analyze suspicious files without causing latency or bottlenecks.
- ✔ Network Anomaly Detection – Leveraging full Web stream visibility, iboss continuously monitors outbound traffic, analyzes for anomalous behavior signifying compromise and contains data exfiltration to stop data loss.

Streamlined Authentication

iboss Cloud makes it easy to encompass all users, regardless of device or location in your security policies, with seamless Active Directory Integration that gives you single-sign-on (SSO) efficiency without the need for cookies. iboss Cloud maps user names to all traffic not just HTTP, and offers native integration with all supporting devices and any MDM, for the most flexible traffic redirection available. Your security policies and regulatory requirements are accurately enforced anywhere, anytime and on any device.

Advanced Encryption

iboss Cloud ensures your data is encrypted at all times – at rest, in the cloud or in transit.

Private SSL Certifications

The cloud provides many benefits but also can be an area of exposure if it's not properly secured. To ensure the highest level of security, iboss Cloud creates unique SSL certifications dynamically, with private keys for each customer. Keys are never shared with other customers, which reduces vulnerability to man-in-the-middle attacks.

Bandwidth Management

The growth of mission critical resources moving to the cloud has created the need to ensure access to these resources at all times. The integrated bandwidth management feature prioritizes mission critical traffic during peak hours while throttling recreational traffic. Organizations will benefit from traffic optimization and increased efficiencies across the network.

Global Single-Pane-of-Glass Management and Reporting Console

The responsive, integrated management interface provides instant visibility and single-pane-of-glass reporting and management of all iboss advanced features, with Threat and Bandwidth dashboards that give you immediate insight across network activity.

Benefits

- ✔ Removes the need for backhauling data from remote sites to corporate headquarters to support mobile and SOHO users
- ✔ Reduces large CAPEX expenditures and removes the complexity of managing multiple appliances
- ✔ Offers the most options for redirection including GRE, IPSEC, agents and native integration for iOS and Android, without the need for Samsung KNOX. The flexibility of the cloud platform simplifies this integration even in the most complex or distributed environments
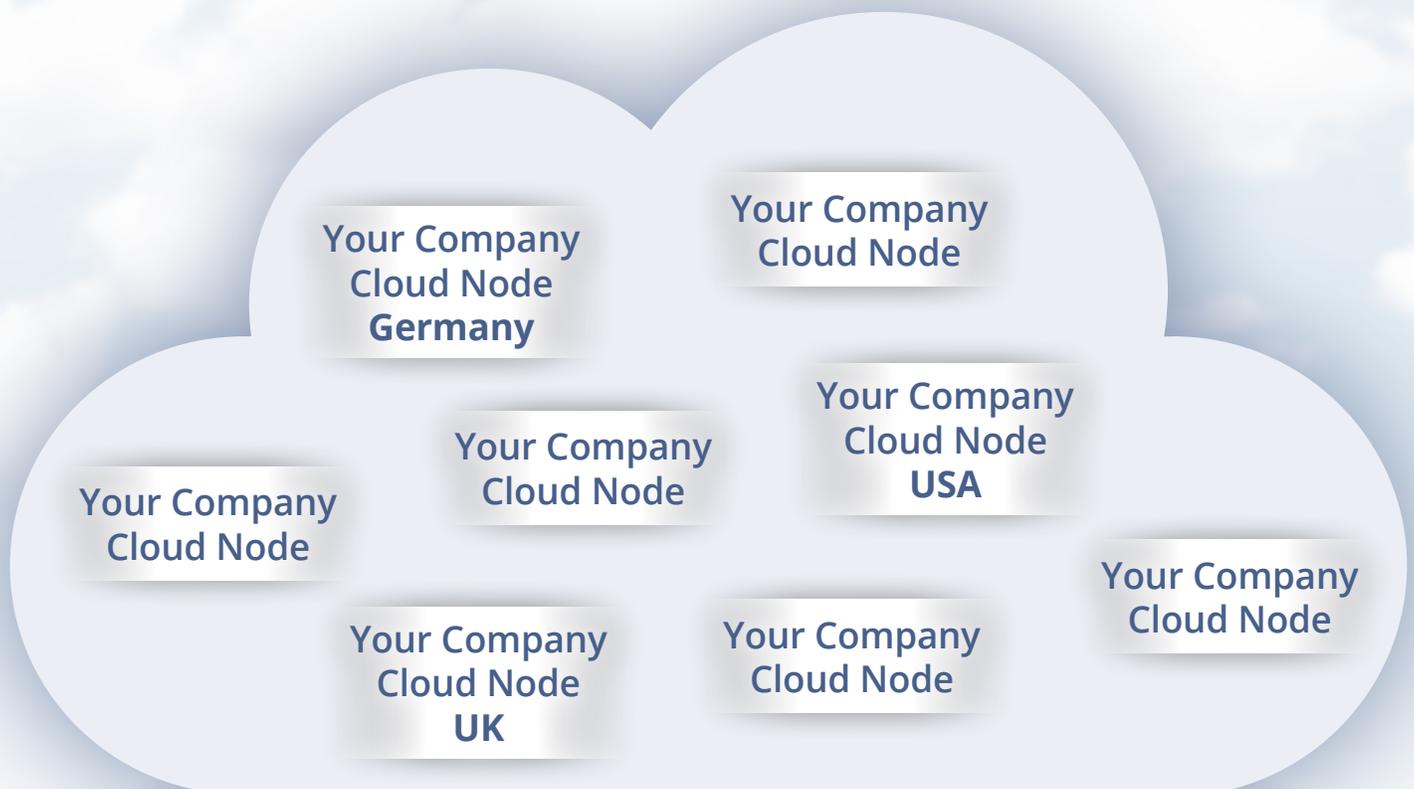
iboss Containerized **Public Cloud**

iboss Cloud's unique containerization technology provides a cloud "container" for each organization, giving you the most secure public cloud available. iboss' exclusive containerization enables unlimited nodes, allowing you to adapt quickly to the needs of your growing organization. More importantly, your containerized data is encrypted and secure and can be retained wherever you choose, including within country to fulfill in-country regulatory requirements. You always know where your data is and it is accessible 24/7/365.

One Container per Organization for the Most Secure Public Cloud Available

Containerization Advantages

✔ Data never overlaps with any other organization's

✔ Data in transit and at rest is encrypted and secure

✔ Scale up or down instantly

✔ Complete redundancy in the cloud – no tape backup needed

✔ Location aware, so data stays where you want it, meeting regulatory compliance

✔ Cost-effective, you only pay for the data you need

✔ Visibility across all data nodes on a global map

Your Company Cloud Node **Germany**

Your Company Cloud Node

Your Company Cloud Node

Your Company Cloud Node **USA**

Your Company Cloud Node

Your Company Cloud Node

Your Company Cloud Node **UK**

Your Company Cloud Node

Your Company Cloud Node

Reporting

Managing reporting across multiple locations shouldn't require multiple consoles. iboss Cloud simplifies administrative tasks with single-pane-of-glass reporting from a unified management console. And because iboss Cloud encrypts and containerizes your data, you never have to worry about privacy or security. iboss Cloud Reporting is customizable and includes dynamic indexing, ensuring that data is immediately retrievable, whenever you need it. And iboss provides secure redundancy in the cloud, with infinite capacity, eliminating the need for tape backup and ensuring that you never lose your data.

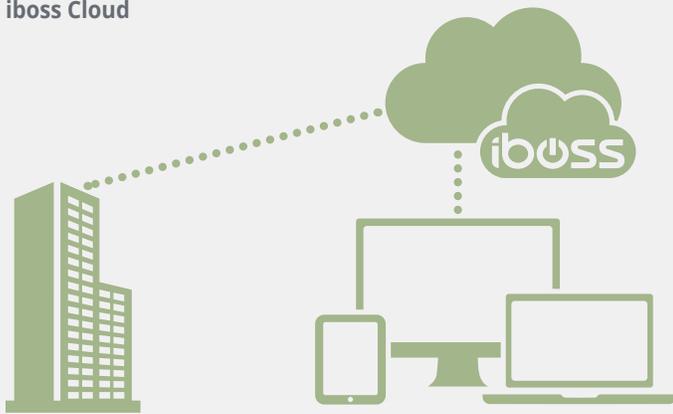## Optional Customer-Hosted Cloud

iboss optional Customer-Hosted Cloud configuration allows you to store your data locally and configure your iboss Cloud functionality to suit your organization's requirements. For instance, you can pipe your corporate HQ data to the cloud via a local sensor but send your remote locations and mobile traffic directly to the cloud, where containerization ensures security, while eliminating the latency backhauling creates. Zscaler offers local sensors but still redirects your traffic to their public cloud, while iboss containerization eliminates this possibility. And Customer-Hosted Cloud Customization allows you to leverage your organization's resources by scaling up or down to accommodate your exact needs.

Global Data Centers

The cloud is only as resilient as the data centers that power it. That's why the iboss Cloud backbone leverages a global network of data centers providing only Tier 1 connectivity, built to Tier III Constructed Facility Standards, with Uptime M&O Stamp certification and backed by a 100% power uptime SLA. There are no single points of failure and a minimum N+1 for mechanical, electrical and network connectivity with concurrent maintainability. In addition to resiliency, our data centers meets strict security standards with multi-level physical and logical security as well as challenge points. This combination of resiliency and security is why our data centers are trusted by government agencies, financial institutions, insurance, healthcare and retail businesses.
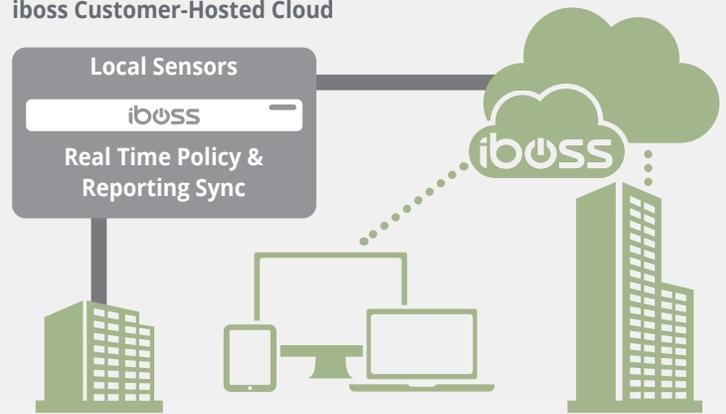
Direct to Cloud:	Optional Customer-Hosted

iboss Cloud

iboss Customer-Hosted Cloud

Local Sensors
iboss
Real Time Policy & Reporting Sync

About iboss Cybersecurity

iboss Cybersecurity defends today's large, distributed organizations against targeted cyber threats which lead to data loss, with the iboss next-gen Secure Web Gateway Platform, leveraging innovative cloud architecture and patented advanced threat defense technologies. iboss advanced solutions deliver unparalleled visibility across all inbound/outbound data channels, and include security weapons that reveal blind spots, detect breaches and minimize the consequences of data exfiltration. With leading threat protection and unsurpassed usability, iboss is trusted by thousands of organizations and millions of users. **Visit www.iboss.com.**

www.iboss.com | +1 877.742.6832