

Cloud Web Security For Branch Offices Without Data Backhaul

Stop data backhaul to centrally hosted web gateway appliances by securing branch office Internet access in the cloud

Branch office Internet access is typically secured by routing all data through private and expensive connections to centrally hosted web gateway appliances. This is slow, inefficient, expensive and worst of all does not scale as bandwidth consumption continues to increase. Use iboss cloud to secure branch offices directly in the cloud, eliminating the need to back-haul data resulting in increased Internet speeds and substantially reduced costs.



Save time and reduce costs by eliminating the need for centrally hosted secure web gateway appliances



Increase branch office bandwidth speed by providing in-the-cloud security and eliminating core data center bottlenecks



Reduce costs by substantially reducing bandwidth at central data centers hosting secure web gateway appliances



Increase speeds in remote offices with limited bandwidth

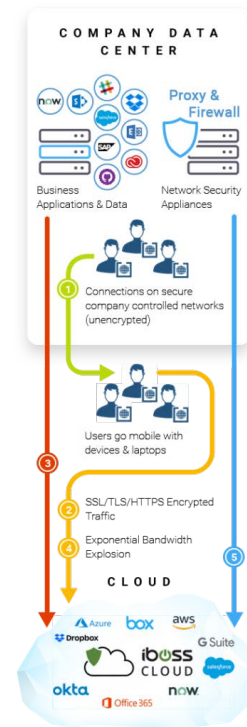
Save time and reduce costs by eliminating the need for centrally hosted secure web gateway appliances

Back-hauling traffic to centrally hosted on-prem Secure Web Gateway appliances is more expensive than you might think. At the core, purchasing, installing, hosting and managing the appliances becomes exponentially expensive as bandwidth demands continue to increase from mobile users and branch offices.

Bandwidth consumption will continue to increase as the use of cloud applications continues to rise and bandwidth availability in quantity is available at commodity prices for mobile users. As bandwidth increases, the need for bigger and more expensive appliances becomes a necessity which leads to a vicious cycle of increasing costs.

The cost of premium bandwidth at the data center also increases costs dramatically as more data is back-hauled from mobile users and remote offices to the data center which requires purchasing more bandwidth at the data center to support it.

As connectivity moves into the terabit era, the amount of gear and bandwidth that will be required will be cost prohibitive. Moving to iboss cloud alleviates this burden by eliminating the data center footprint needed for web gateway appliances and reducing the amount of data center bandwidth from back-hauled data from mobile users and remote branch offices.



Users Go Mobile

Desktops change to laptops and users are no longer in the network per meter.



Encrypted Traffic

Unencrypted traffic shifts to encrypted HTTPS traffic due to mobility.



Cloud Applications and Files

Applications move from servers to SaaS, and data & files move to online storage & access.



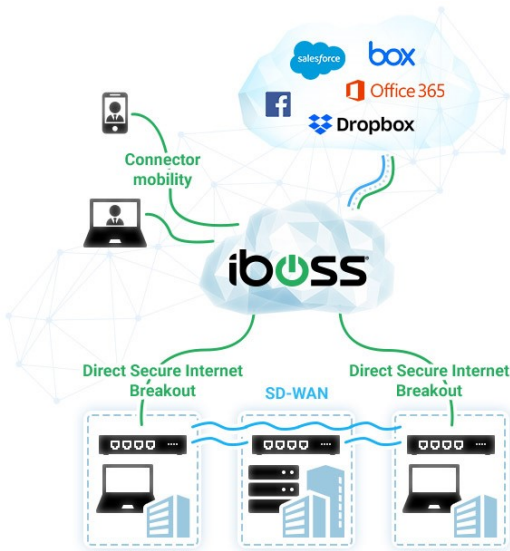
Bandwidth Explosion

Increased bandwidth usage due to remote users accessing remote cloud data needed for productivity



Security Moves to Cloud

Data Center network security moves to the cloud where the users, applications, and data live.



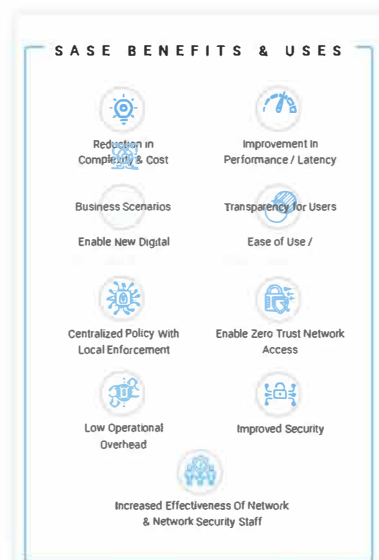
Increase branch office bandwidth speed by providing in-the-cloud security and eliminating core data center bottlenecks

Data from branch offices is secured by sending data from the branch offices to iboss cloud before heading out to the Internet. As the traffic traverses the iboss cloud, the data is scanned to apply web filtering, prevent malware, detect infections and prevent data loss. There are several ways to redirect data to the cloud from branch offices. Popular methods include configuring devices to use proxy settings with SAML authentication, leveraging light-weight iboss cloud agents, DNS or configuring GRE or IPSec tunnels to send data to iboss cloud for protection.

Reduce costs by substantially reducing bandwidth at central data centers hosting secure web gateway appliances

Securing branch office connectivity directly in the cloud eliminates the need to send the data to centrally hosted web gateway appliances. This increases speed and productivity at remote offices as well as reduces costs by drastically reducing the bandwidth needed at the data center as well as eliminating the web gateway appliances. In addition, the load on private links including MPLS and SDWAN is substantially reduced as unnecessary back-haul from Internet bound data no longer traverses those connections and instead is routed directly through iboss cloud. As bandwidth consumption increases at the branch locations, the cloud automatically scales to handle the load without requiring IT resources or extra expenditures on web gateway appliances or the labor needed to deploy them.

The costs incurred from hosting web gateway appliances in central data centers includes more than just the cost of the web gateway appliances and the recurring costs incurred at the data centers to host them. The labor costs incurred from managing the web gateway appliances, patching them and managing the infrastructure is not only a direct cost but results in lost time that could be used providing other valuable IT services for the company.



Increase speeds in remote offices with limited bandwidth

Back hauling traffic from remote offices to centrally located secure web gateway appliances results in bottlenecks and costs which will continue to rise. As the need to access cloud applications increases by employees at branch offices, the amount of bandwidth consumed by the branch offices also increases. Typically with a hub-and-spoke model, traffic from branch offices is back hauled to centrally hosted web gateway appliances. In this model, productivity in branch offices decreases due to the inability to access cloud resources with speed due to the bandwidth choke-point created at the central data center where the web gateway appliances are located.

Securing branch offices in remote regions where bandwidth is limited or latency is a concern can also be achieved with ease by leveraging the iboss cloud which provides cloud gateway capacity near the office. This increases performance dramatically and provides the flexibility IT teams need to provide secure connectivity.

Buy Now

The iboss cloud can secure user Internet access on any device, from any location, in the cloud. Best of all, you can start using it immediately to protect your users instantly.

What you get

- 🔒 In the cloud Internet security
- 🔒 Advanced Internet malware protection that follows users
- 🔒 Advanced cloud and SaaS controls
- 🔒 Web filtering and compliance controls
- 🔒 Internet security for in-office users without appliances
- 🔒 Branch office Internet security without data backhaul
- 🔒 And a lot more...

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Get in touch with a technical specialist for a live demo.

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