

Fortune 10 Energy & Chemical Manufacturer Seamlessly Migrates from on-prem to Zero Trust Cloud

iboss delivers a Zero Trust cloud security solution that readily adapts to future changes – all while reducing costs and complexity.

About Fortune 10 US Multinational Oil & Gas Corporation



Irving, TX
Headquarters



71,000+
Number of Employees



Energy & Chem
Global Manufacturing

Introduction

As one of the world's largest publicly traded energy providers and chemical manufacturers, this organization develops and applies next-generation technologies to help safely and responsibly meet the world's growing needs for energy and high-quality chemical products. An industry leader in almost every aspect of the energy and chemical manufacturing businesses, they operate facilities or market products in most of the world's countries, explore for oil and natural gas on six continents, and research and develop next-generation technologies to help meet the dual challenge of fueling global economies while addressing the risks of climate change.

The Challenge: Traditional Network Security Appliances in a Cloud-First World

Explosive bandwidth, mobility and SaaS cloud application growth makes an appliance-based approach to network security unsustainable. The organization leveraged traditional proxy appliances, which are ineffective at securing users and devices that are no longer bound by network boundaries. The organization experienced slow connections that prevented users from working effectively in remote locations. This led to challenges for their IT team as equal protection could not be applied to users in the same manner between the office and the road.

This dynamic, enterprise organization:

- Is a forward-thinking technology and security innovator moving to complete Zero Trust network model
- Was previously structured with traditional firewall & web gateway proxy appliances at network perimeter edges
- Needed cloud-based SaaS network security solution that could apply and deliver fast, secure connections in the most remote locations of the world without appliances or infrastructure
- Needed full-stream packet capture capabilities, SaaS delivered, capable of storing months of raw packet capture for security review

The Solution: Seamlessly Migrate from Security Appliances to the Cloud for Fast and Secure Internet Access in the World's Most Remote Locations

With an extensive feature-set required by the most demanding enterprises, only iboss cloud can transition all of the capabilities found in traditional web gateway proxies and network firewall appliances to the cloud. iboss has infinite compute capabilities and can handle any bandwidth load with its containerized horizontally scaling design. Instead of buying or renewing proxy appliances, the organization switched to iboss to solve remote work issues with ease. With iboss, the organization's IT team was able to create filtering policies, malware prevention rules and data loss prevention policies that protect users without worrying about how that policy will make it to the user. iboss was chosen as the organization's core global cloud-based SaaS proxy and firewall solution after extensive capability and security efficacy testing against competitors. The company experienced the following outcomes:

- All network security functions traditionally delivered via the on-prem firewall and proxy appliances were ported over to iboss platform
- Packet capture was fully delivered and made possible via the containerized cloud architecture of the iboss platform
- Hard-to-reach remote users (for example, in China), were also connected to the iboss platform for security and a consistent security policy
- The organization leveraged iboss cloud's unique zero trust and IP restriction capabilities in the cloud to increase its security posture

Key Outcomes:

- iboss chosen as the organization's core cloud-based SaaS proxy and firewall solution globally after extensive capability & security efficacy testing against competitors
- All network security functions traditionally delivered via on-prem firewall and proxy appliances were ported over to iboss platform
- Packet capture was fully delivered and made possible via the containerized cloud architecture of the iboss platform
- Hard-to-reach remote users (ex. China), were also connected to the iboss platform for security and a consistent security policy



The Results

iboss provided a seamless transition from on-prem network security appliances to network security in the cloud. This enabled the organization to gain the full visibility and control needed to secure remote workers. With the iboss patented containerized cloud architecture, employees experienced fast and secure connections on any device, from any location, in the cloud.

The increase in mobile workforces, corporate data residing across multiple public clouds and the increased threat of cyber-attacks has created an urgent need to transition security to the cloud to protect corporate data. We created one of the worlds largest purpose built security clouds designed to seamlessly protect our data and employees in this dynamic technology landscape.

Name Redacted for Security

CTO, Fortune 10 US Oil & Gas Corporation

The iboss cloud allowed administrators to create zones to ensure data is scanned within regulated regions when users enter those regions. In addition, the log event data that is generated by the cloud was sent to reporting databases that reside within admin controlled zones to ensures regulatory requirements are met while leveraging the elasticity and power of a cloud based gateway platform.

The organization also benefited from unparalleled threat visibility and comprehensive network protections with the iboss + FireEye Cloud Network Security. As a result, the company is protected against the world's most sophisticated and damaging attacks, regardless of location. By migrating to the iboss cloud, the organization has implemented a durable cloud security solution that readily adapts to future changes —all while reducing costs and complexity.

Customer's Key Takeaways

1. iboss delivered 100% of the firewall and web gateway proxy security functions traditionally found in on-prem appliances via the cloud
2. Ability to provide global coverage for all users regardless of location, including remote, hard-to-reach regions
3. Containerized cloud architecture provided the organization the data isolation it required, including geo-zoning for GDPR
4. iboss reduced the costs and complexity of IT maintenance
5. iboss increased user experience and productivity by providing fast and secure Internet access on any device, from any location, at any scale



About iboss

iboss is a cloud security company that enables organizations to reduce cyber risk by delivering a Zero Trust service designed to protect resources and users in the modern distributed world. Applications, data and services have moved to the cloud and are located everywhere while users needing access to those resources are working from anywhere. Built on a containerized cloud architecture, iboss delivers security capabilities such as SWG, malware defence, browser isolation, CASB and data loss prevention to protect all resources, via the cloud, instantaneously and at scale. This shifts the focus from protecting buildings to protecting people and resources wherever they are located. Leveraging a purpose-built cloud architecture backed by 230+ issued and pending patents and more than 100 points of presence globally, iboss processes over 150 billion transactions daily, blocking 4 billion threats per day. More than 4,000 global enterprises trust the iboss Cloud Platform to support their modern workforces, including a large number of Fortune 50 companies. To learn more, visit www.iboss.com