Transform your gateway security with cloud-based protection.

Secure Cloud Gateway.

verizon√

Today's distributed global and mobile workforce has created the need to effectively secure internet access and enforce compliance across many users, locations, and devices. With more mobile and remote office workers now using cloud-based applications, security concerns have become just one of many growing challenges for modern enterprises due to the permeable network perimeter and fragmented network traffic. Remote traffic is forced to be backhauled to primary data centers, increasing the volume of data and bandwidth usage, latency, and associated costs considerably.

Due to these challenges, enterprises have begun to abandon the legacy appliance approach to securing their network, moving toward a more modern approach that utilizes cloud-based Secure Web Gateways (SWG) for effective protection from internet threats. By migrating to the cloud, businesses are able to recognize the additional advantages of flexibility, management, reporting, and scalable performance. Traditional appliances-based solutions are no longer an effective solution for organizations who need flexibility, effective security, and a lower total cost of ownership.

Secure enterprise-wide internet use with a consolidated, cloud-based solution.

Verizon Secure Cloud Gateway delivers a secure and distributed web gateway service from the cloud, and helps to defend complex and decentralized networks, branch offices, and the remote and mobile users that depend on them. Acting as both a first and last line of defense, the service protects users, apps, and data on any device, anywhere, while maintaining performance and eliminating the need to backhaul traffic. Verizon Secure Cloud Gateway also provides the flexibility required to drop-in and replace existing appliance-based systems, allowing organizations to transition to the cloud smoothly and at their own pace, without the need to re-architect existing networks.

Verizon Secure Cloud Gateway is the first and last line of defense for your users, apps, and data on any device, anywhere.

Enforce Policy and Compliance.

Verizon Secure Cloud Gateway provides essential web gateway features for both on and off-network devices. Granular category and user-based filtering provides protection across all ports and protocols by blocking access to harmful or objectionable online content. It also supports HIPAA compliance and CIPA-compliance to ensure your organization is compliant with data privacy and protection policies and regulations.

Control social media and cloud applications.

Cloud application and social media controls help enterprise administrators enforce security policies for specific features of cloud-based apps and social media sites. This includes advanced application scanning and deep packet inspection (DPI) and content-aware management of social media applications like Facebook, Twitter, LinkedIn, and Pinterest. Administrators can also get granular control over evasive cloud applications like TOR, BitTorrent, SnapChat, Skype, and more. Secure Cloud Gateway also includes Safe Search enforcement for a variety of search engines, clean image search, and translation filtering for Google services.

Protect your network from advanced threats.

With signature-based malware prevention and breach protection, malware is identified and mitigated based on threat intelligence from best-of-breed databases and propriety malware registries. Intrusion detection and prevention capabilities enable quick viewing of event detail, including source and destination IP addresses. Command and Control (CnC) callback monitoring helps to further identify known malicious or high-risk connections and sites flagged for botnet activity. Secure Cloud Gateway also includes behavioral malware sandboxing defense to intercept and contain files — increasing threat visibility and reducing noise and resource requirements. User downloaded files identified as suspicious are sent for further inspection in an isolated environment for safe processing.

Gain visibility into encrypted traffic.

With most web traffic now becoming encrypted end-to-end using SSL/TLS protocols , it is imperative that enterprises have visibility into this network traffic to be able to monitor, manage, and when necessary, block specific connections. Secure Cloud Gateway provides SSL visibility and management by decrypting SSL traffic, applying policy and security treatments, and then again encrypting traffic before forwarding the information to its destination. This flexible feature can be turned on for specific URLs or URL categories, content, device, user, or groups.

Prevent data loss.

Verizon Secure Cloud Gateway not only inspects Internet data as it enters an organization, preventing malware on the way in, but it can also inspect internet data as it leaves an organization, preventing data loss on the way out. This deep file-based data loss prevention service helps detect and block the transfer of sensitive data from your enterprise. It protects against unauthorized cloud use and sensitive data loss, and ensures that data is secured and maintained within organizationally approved cloud services. By screening content such as credit card numbers, Personal Identifiable Information (PII), email addresses and phone numbers, businesses can prevent loss of sensitive information with automated alerts sent directly to security teams.

### Verizon Secure Cloud Gateway also includes:

- Customized, real-time reporting.
- Centralized management and administration portal.
- Protection of all devices regardless of operating system (includes Windows, Mac, iOS, Android, Chromebook, and Linux devices).
- 12 hour live support with premium support available.

Unique node-based cloud architecture.

Through a revolutionary node-based cloud design, Secure Cloud Gateway easily protects all users, devices, and locations without requiring data backhaul or the purchase of expensive appliances. Unlike multi-tenant cloud web gateways which store customer data together in the cloud, Secure Cloud Gateway is delivered through an optimized network cloud where the customer admin portal, policy infrastructure, and dashboards are multi-tenant, but the data plane consisting of the proxy gateway nodes where data traffic is routed is non-shared and dedicated for each customer.

This node-based approach enables a smooth transition from a private cloud (hosted or on-premises) to a public cloud or hybrid implementation, including the ability to drop-in replacements of legacy appliances to secure data a primary data centers without restructuring the network. All features and functions are offered regardless of the preferred deployment model.

An elastic, distributed, web gateway architecture.
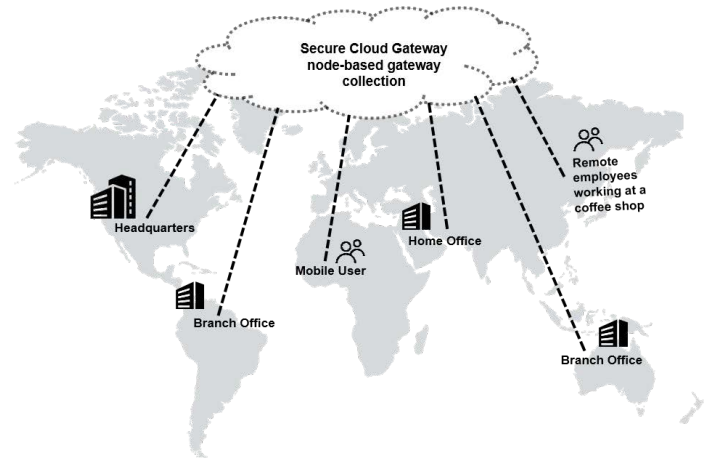
Secure Cloud Gateway utilizes the unique architecture of the iboss Distributed Gateway Platform. This non-shared cloud architecture combines non-physical cloud nodes and optional physical nodes to help organizations deploy effective security across all locations and devices.

Why Verizon?

Verizon Secure Cloud Gateway is uniquely designed to solve the challenges of providing advanced security for today's distributed organizations, while scaling to meet the ever-increasing bandwidth needs of tomorrow.

Learn more.

Find out how Verizon Secure Cloud Gateway can help meet the security needs of your distributed organization. Contact your account manager or visit verizonenterprise.com/products/security/network-gateway-security

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1. Google estimates the percentage of https traffic in 207 to be 73% of all traffic.
"Google: This surge in Chrome HTTPS traffic shows how much safer you now are online", Oct 23, 2017.
https://www.zdnet.com/article/google-this-surge-in-chrome-https-traffic-shows-how-much-safer-you-now-are-online/