Giganet Cloud Managed Security as a Service

"The Internet is so slow!" "Am I getting the right bandwidth??"

These are common questions and issues familiar to ISPs and subscribers. ISPs and subscribers have no way of internally controlling their internet bandwidth use effectively and efficiently. Some have resorted to using tools which are unreliable and often give misguided information either due to wrong configurations or just because the wrong tools are being used.

In general, slow internet speeds are caused by;

A device in the subscriber's location using up all the bandwidth or Problems from the ISP link.

However, the challenge is determining what exactly the problem is. Giganet Managed Security as a Service provides the architecture to provide granular visibility and comprehensive control of consumer use of internet access to both the ISP and consumer, down to the devices in each consumer network and what port or protocol is leading to bandwidth drain.

Our Managed Security as a Service solution will help organizations create internet usage policies by providing regular reports and creating access policies based on user, device and internet use patterns. This will eliminate ISPs and users trying to guess the source of problems and greatly reduce the time spent troubleshooting.

Why use our Managed Security as a Service?

- No investments from ISP
- We will provide the infrastructure and the professional services
- Provide managed security services based on global network security standards
- Provide professional advice on internet usage policies
- Cloud based high encryption security services
- Source of revenue for ISPs
- Provide more visuals on internet use

- Flexible infrastructure setup
- Customers just need to define their network and internet security requirements and leave the rest to us
- Identity and Access Management
- We can provide security settings based on baselines from network security standards
- No need to invest in hiring experts thus reducing cost
- Those who wish to hire experts to manage their devices can do so

Giganet Services introduces our Managed Security as a Service (MSaaS) solution. This service can be leveraged upon by internet service providers as well as any other organization using internet or other WAN connections. Giganet's Managed Security as a Service infrastructure enables individuals and organizations to specify their internet and network security requirements without having to worry about the need or expertise to configure and manage this locally and with no investments on the infrastructure. Our services are ISP independent, thus, users can utilize

this service regardless of the ISP they currently use. Other Benefits of or SaaS service include;

- No investment on hardware and local expertise

- Daily, weekly or monthly customized reports will be sent to subscribers on granular use of their internet and bandwidth based on IP address, user, web use and application

- Our services will help organizations establish international ISO certifications

- Our infrastructure has been certified by most security organizations for conforming to global security standards

- Individuals and corporations can easily streamline and implement their security policies with greatly reduced investments
- We will use our expertise to further streamline and recommend security policies based on our wide

experience in designing, implementing and enforcing network and application security for governments, hospitals, schools and many other industries.
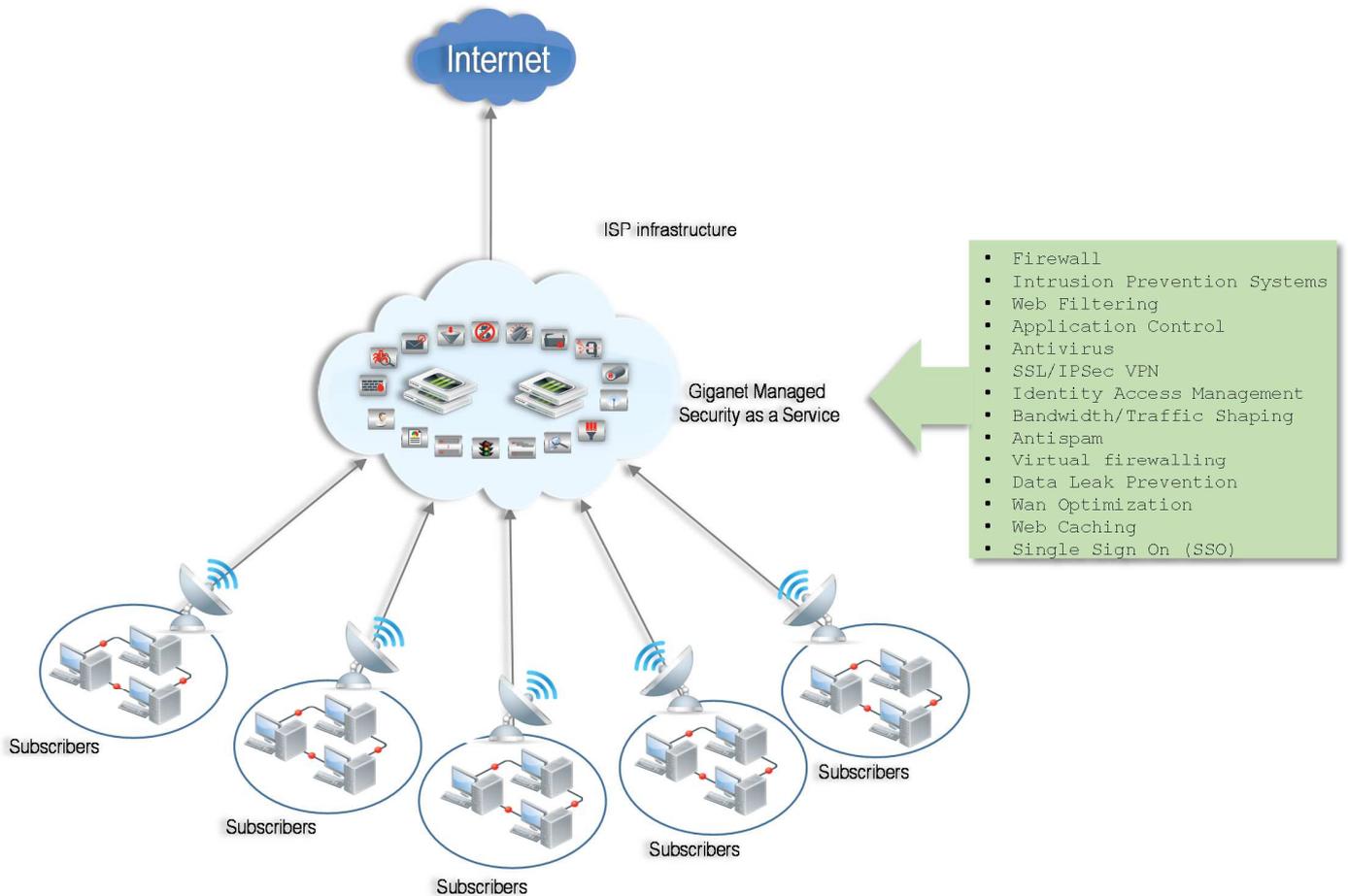
Deployment Options

We provide very flexible deployment options to enable ISPs leverage our managed security services in order to provide value added services to their customers and generate more revenue. The different deployment options are can be seen below;
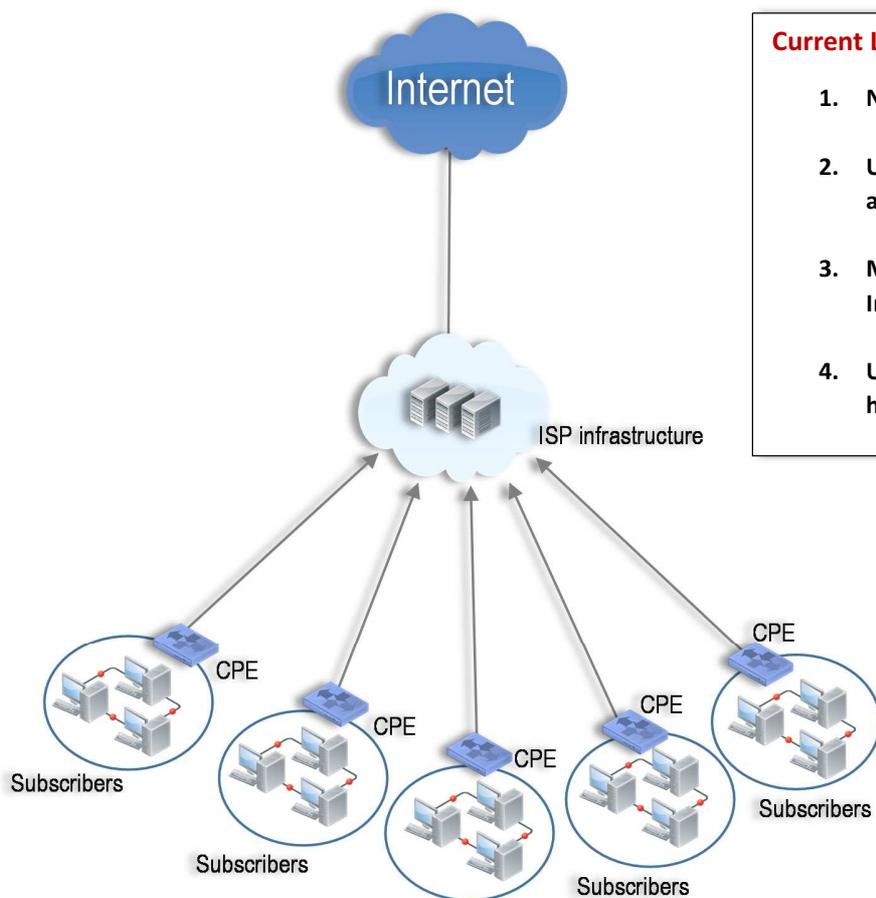
Current Limitations of this setup

1. **No control over user internet access**

2. **Users unprotected from internet attacks**

3. **More difficult to troubleshoot Internet speed related issues**
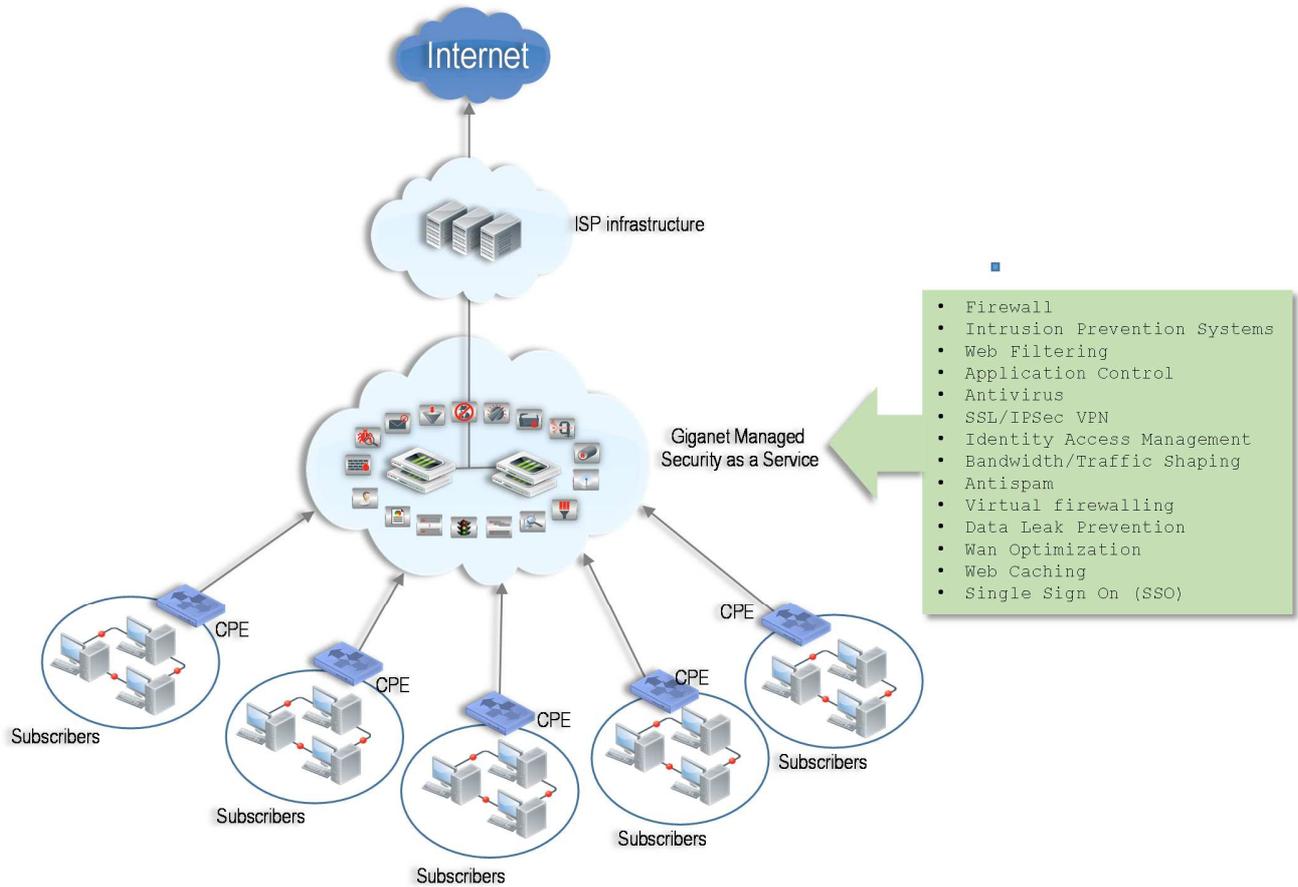
4. **User networks are playgrounds for hackers**

Deployment Option 1: VSAT Service Providers

- Firewall
- Intrusion Prevention Systems
- Web Filtering
- Application Control
- Antivirus
- SSL/IPSec VPN
- Identity Access Management
- Bandwidth/Traffic Shaping
- Antispam
- Virtual firewalling
- Data Leak Prevention
- Wan Optimization
- Web Caching
- Single Sign On (SSO)

In this deployment option, VSAT service providers can now provide value added services to their customers, thus increasing security and performance, with no investment from the ISP. The Giganet Managed Security as a service cloud will provide managed security services on behalf of the ISP to their customers.

This setup would require the deployment of CPEs at customer locations. These CPEs will all be managed from the cloud, but will also grant customers the flexibility to customize their security requirements based on a preconfigured baseline. This will empower the customers to have more control over their internet use, while still being managed by the Giganet security cloud based service. This will provide greater visuals for both the customer and the VSAT service provider, making problem detection and troubleshooting a lot easier.

Deployment Option 2: TELCOs and Fiber Access ISPs (Independent Managed Services)

Internet

ISP infrastructure

Giganet Managed
Security as a Service

- Firewall
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CPE

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CPE

Subscribers

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In this deployment option, the Giganet cloud services will be independent from the ISP infrastructure and will also require CPEs to be deployed at customer locations and managed in general by the Giganet Managed Security team, while also granting subscribers the ability to manage their own security and access. The same features and visuals are maintained as with all the other options.

Deployment Option 2: TELCOs and Fiber Access ISPs (Integrated Managed Services)
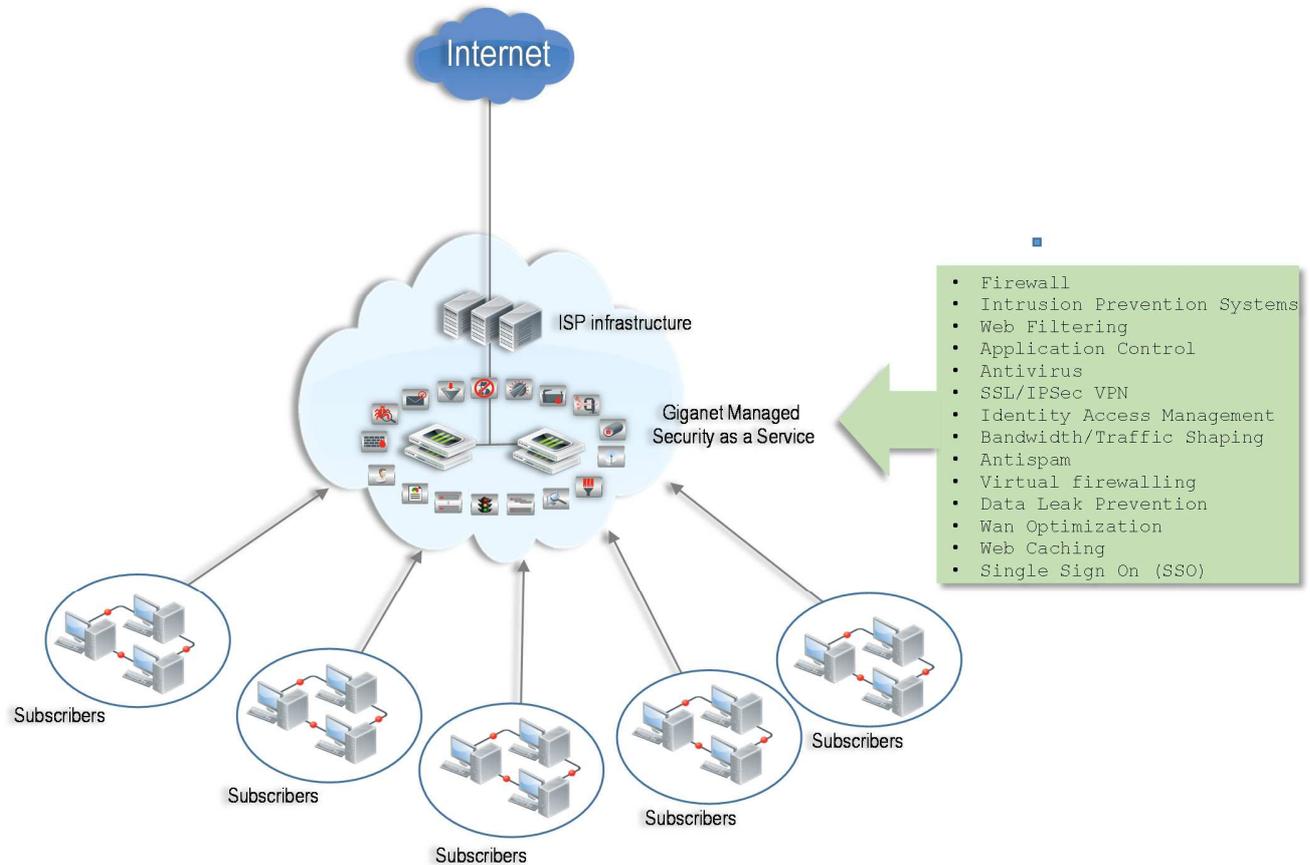
This deployment option will have the Giganet Managed Security as a Service infrastructure integrated with the ISP architecture. This provides a robust and scalable solution to enable easier management and even reduced costs because there will be no need for CPEs at the subscriber premises. Customers can manage their security and access directly from the cloud as well as the Giganet team. Customers have the option to manage their security completely by themselves of have the Giganet host and manage their security services. Either way, reduced cost, efficiency and reliability are maintained.