PORTFOLIO OVERVIEW

Security

A Comprehensive Set of Security Services for Today’s Complex Cyber Security Needs
Modern IT teams are facing an increasing number of security threats and attacks from every direction. Internally, corporate IT teams struggle to find and keep the necessary talent and budgets to manage their growing list of systems, devices, data sources, applications and infrastructure that need to be secured. Externally, these teams are combatting an exponentially growing number and severity of threats from criminals that range from rogue nation-states and global terrorists to politically-driven hackers, disgruntled employees, and even run-of-the-mill criminals.

As companies look to their IT teams to keep them secure, four primary drivers are causing them to consider outsourcing some or all of their IT security needs:

**Staffing Challenges**
Companies need more resources to constantly manage and monitor firewalls, logs, user applications and IDS systems to successfully prevent, protect and help them. But finding and paying individuals can be both difficult and cost-inefficient to do in-house.

**Evolving Compliance Standards**
Businesses want more response assistance, especially when working in compliance-driven industries such as retail (PCI), healthcare (HIPAA), government (FISMA), financial (FFIEC and GLBA) and utilities (NERC). Outsourcing to a partner who deals with these challenges daily can bring valued expertise in a complex area.

**Advanced Security Technologies Require Specialized Oversight**
There is a difference between managing systems and managing the output of systems and most companies find it more suitable to pay vendors to monitor and manage the technologies themselves, freeing up internal teams to focus on the output. This division of labor keeps companies focused on driving the core metrics of the business, and keeps them out of the non-value-added back-end system intricacies.

**Cloud Based IT Services**
As companies shift more workloads to the cloud, they also unearth new things they need to secure, such as web gateways, hosted email, and identity and access management. Having a vendor share the load of managing these new technologies can help companies to adopt more readily and meet the needs of their internal customers.

CenturyLink provides a comprehensive set of security consulting and Managed Security services to help businesses make the most of their internal capabilities, while concurrently advancing the needs of the business most cost-effectively.
Using CenturyLink’s Managed Security Services, businesses can better combat the growing frequency and complexity of attacks on their network, devices, applications and data/information by:

- **Ensuring business resiliency** – catastrophic data loss can mortally wound a company
- **Gaining complete visibility** – into their security environment from a single pane of glass to see what’s happening across the enterprise, through a streamlined, unified portal and management console.
- **Meeting the challenge of escalating threats head on** – and staying on top of threats while keeping up with constantly changing regulations, responding to concerns in real time.
- **Reducing exposure through multiple intrusion points** – with solutions from a single vendor rather than a patchwork of multiple disjointed solutions

### What are Security Services?

Security is fundamentally about protecting assets, which may include a company’s website, a customer database, network connections, or even a company reputation. And this list is not static.

Managed Security Services (MSS) are security services that have been outsourced to a third party service provider. Businesses utilize managed security services providers to alleviate the pressures they face related to information security and required compliance regulations such as targeted malware, customer data theft, skills shortages and resource constraints.

Managed security services are considered a systematic approach to managing an organization’s security needs. The services may be conducted in-house or outsourced to a service provider that oversees other companies’ network and information system security. A managed security service can include round-the-clock monitoring and management of intrusion detection systems and firewalls, overseeing patch management and upgrades, performing security assessments and security audits, and responding to emergencies.

Working with an MSSP allows the organization to focus on its core activities while remaining protected against network and other cyber vulnerabilities.
Why use Security Services?

Security breaches are on the rise and no company is too large or too small to be hit. We’ve all seen it on the news — Sony Pictures hacked for 77 million email accounts, Target’s “biggest hack in retail history” cost them $148 M in 6 months and forced top executives to resign plus 90+ lawsuits and significant loss of brand confidence. For many companies losses can amount to over $1M / day just from a DDoS attack alone.

Just what is at stake inside a business? Customer or patient information — Proprietary business data — Intellectual property or maybe bank account and credit card data or payroll records? No matter the data, companies are very much at risk. CenturyLink can help you bridge that gap and ensure long-term viability.

Why use CenturyLink Security Services?

CenturyLink is your ally to help keep you secure by adding the layers of security you need to help defend yourself against escalating malware attacks from every direction. Choose us for:

• Holistic solutions — delivering protection through both hosted and network based security measures along with specific consulting disciplines.
• As much or as little management as you need — our comprehensive services include both risk / security plan assessment and program design, as well as a full set of device implementation and ongoing management solutions. You choose from co-managed to fully-managed and even custom solutions based on your individual compliance and business needs, and get everything delivered by a single provider.

By leveraging our network, cloud, and security expertise, we develop a solution that addresses your unique security concerns, while keeping your operations running at desired performance levels and giving you more time and resources to focus on your high-priority IT initiatives.

Agility

CenturyLink offers the flexibility companies need to quickly react to business and market changes and meet business goals.

• A streamlined, easier-to-manage network security environment — that is more cost-effective and provides greater visibility across your enterprise.
• Holistic set of solutions with cohesive network and security support from a single provider, helping you achieve all of your security goals.
• Easy viewing of all your secure environments — through our high performance customer management reporting portal - with 24/7 monitoring of your network traffic and wide-ranging reporting capabilities.
• We help you to quickly adapt and take advantage of market opportunities — through our integrated, global infrastructure and IT services offerings, you gain the flexibility to adapt to changing business demands.
Portfolio Overview

Security Services at CenturyLink can be broken down into two major categories:

Security Consulting Services — human-powered expertise designed to help companies meet their evolving compliance and business requirements. These can be short or long-term engagements but typically focus around advisory services across these four areas:

- Strategy, Risk and Compliance Consulting – Assessments, security policy and process design, secure architecture development, compliance monitoring and guidance.

CenturyLink helps customers save time and money by:
- Allowing them to leverage CenturyLink’s investment in costly and sophisticated tools so they don’t have to
- Leveraging CenturyLink’s experts rather than finding, training and retaining specialized security professionals alone
- Offering a fully integrated and secure solutions from a single source to multiple technology points
- Keeping operational costs down by reducing administrative burdens
- Providing a holistic and secure IT ecosystem
Managed Security Services – these services typically combine the usage and management of a security device (or system), plus the proactive oversight (monitoring) of that device from a CenturyLink high-availability security operation center (SOC). When a customer is buying a Managed Security Service, they may also need to add consulting and/or integration assistance. These services are typically MRR based and focus around:

- Device Management – Managed Firewall, IDS/IPS, Endpoint Security, UTM, Web Application Firewalls
- Threat Intelligence and Predictive Analytics – Threat Detection, Threat Monitoring and Reporting, Intelligence Feeds, Reputation Monitoring
- Incident Response and Recovery – Security & Event Management (SIEM), Log Management, Incident Analysis, Malware Detection and Removal
- Network and Cloud Based Security Services – DDoS Mitigation, Network-Based Firewalls, Email Filtering and DNS Sink holing Services, Secure Cloud

Perfect Partners
Deploying a Managed Security Solution will help you ensure your records, databases, emails, websites, and communications remain safe from spam, hackers and other malicious threats. And remain compliant with any regulatory acts such as PCI (retail), HIPAA (healthcare), FISMA (governments) and more.

Managed Security services can be readily included with these CenturyLink services to provide a complete end-to-end secure business solution:

MPLS / IQ Private Networking
- Network Based Security is a comprehensive, scalable option — provides a full-featured co-managed firewall, SSL VPN, web filtering and IDS / IPS. The platform has obtained the highest government certifications such as FIPS, Common Criteria, ISO & NEBS
- DDoS Mitigation — prevention services for businesses concerned about service interruption due to network based attacks

Colocation
- Managed Firewalls with or without optional services such as Intrusion Prevention (IPS) and VPN functionality
- DDoS Mitigation for businesses concerned about service interruption due to attacks
- Web Application Firewall for anyone with web servers and compliance needs

Managed Hosting
- Managed Firewalls, with or without optional services, such as Intrusion Prevention (IPS) and VPN functionality
- DDoS Mitigation for businesses concerned about service interruption due to cyber attacks
- Web Application Firewall for anyone with web servers and compliance needs
- Threat Management Services for anyone with compliance requirements
- Integrity Monitoring Service for any business with compliance needs
Simple Standalone offerings that make sense for any sized customer

Web Security
Web Defense, powered by McAfee, is an easy-to-use business Internet security solution that routes customer web traffic through CenturyLink’s Web proxy server, to effectively block web threats, including spyware, viruses, and phishing attacks. Web Defense configured to prevent access to inappropriate and fraudulent phishing sites.

Email Security
CenturyLink’s gateway-based Email Defense filters and cleans e-mail from the Internet before it reaches a customer network, blocks inappropriate content, and prevents e-mail malware from infiltrating a network with a single managed solution.

Enhanced Cyber Security
When standard email defense is not enough, Enhanced Cyber Security steps in to protect companies at an even higher level. This tool offers superb protection against both email and DNS intrusion via a cloud-based solution built to protect the country’s top critical infrastructure organizations. ECS is now available to any size / type business to protect sensitive information and intellectual property, unauthorized access, exfiltration, and exploitation.

About CenturyLink Business
CenturyLink, Inc. is the third largest telecommunications company in the United States. Headquartered in Monroe, LA, CenturyLink is an S&P 500 company and is included among the Fortune 500 list of America’s largest corporations. CenturyLink Business delivers innovative private and public networking and managed services for global businesses on virtual, dedicated and colocation platforms. It is a global leader in data and voice networks, cloud infrastructure and hosted IT solutions for enterprise business customers.

For more information visit www.centurylink.com/enterprise.

1 Vanson Bourne and CA Technologies of 1300 IT leaders, 2014