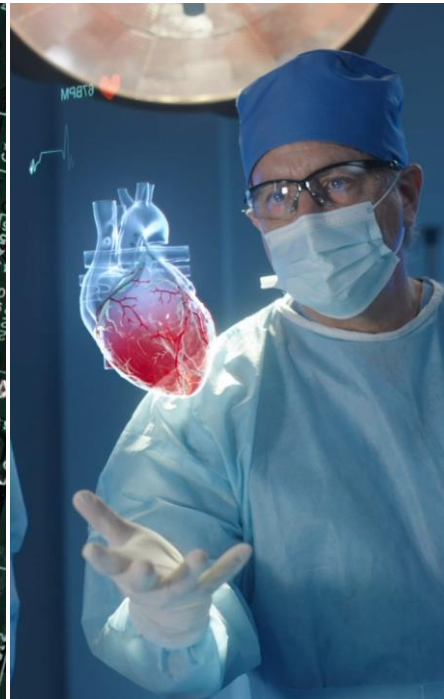
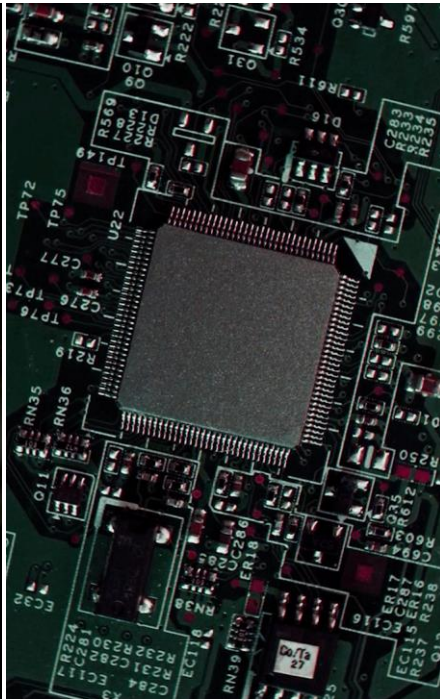


# The 4<sup>th</sup> Industrial Revolution

A time for amazing things



# Lumen: The Platform for Amazing Things

## A platform designed for the 4th Industrial Revolution



- **Connected Security** with intelligent and proactive threat prevention and privacy built-in to the customer's data and applications platform.
- **Edge Cloud & IT Agility** providing a high-performing, low-latency platform for delivering an exceptional application experience.
- **Adaptive Networking** offering scalable, high bandwidth that intelligently adjusts to real-time data and application needs.
- **Collaboration** solutions designed to boost interactivity and engagement via applications.

# Lumen Product Portfolio

## A deep portfolio of solutions and services



### ADAPTIVE NETWORKING

#### Hybrid Networking

- Internet
- MPLS/IP VPN
- SD-WAN
- Broadband
- Ethernet
- Wavelength

#### Business Bundles

- Business Internet
- Business Wi-Fi
- Fiber+ Internet

#### Content Services

- CDN
- Vyx Broadcast Services



### EDGE CLOUD & IT AGILITY

#### Cloud Services

- Public Cloud
- Private Cloud
- Cloud Application Manager
- Cloud Connect
- Managed Hosting
- Data Centers
- Dynamic Connections

#### Integrated Solutions with Cloud Applications

- Big Data as a Service
- Internet of Things
- SAP Ecosystem
- Resiliency Services



### CONNECTED SECURITY

#### Network Security Services

- Adaptive Network Security Services
- DDoS Mitigation Services

#### Premises Security Services

- Managed Firewall
- Managed Web Application Firewall

#### Analytics and Threat Management

#### Business Bundles

- Managed Security



### COLLABORATION

#### VoIP

- Voice Complete
- Hosted VoIP
- Enterprise SIP

#### Traditional Voice

#### Unified Communications

#### Contact Center



### MANAGED SERVICES & CONSULTING



## Lumen Security Portfolio

Security Topics/Solutions	NIST Framework	Lumen Solution(s)
Administrative Controls	1 - Identify	Professional Security Services (PSS) - Compliance Readiness Assessments
Asset Inventory	1 - Identify	Professional Services - Audit to identify and assess the current network and IT infrastructure components
Governance, Risk & Compliance	1 - Identify	Professional Security Services (PSS) - Compliance Readiness Assessments
Policies and Procedures - Assess and Advise	1 - Identify	Professional Security Services (PSS) - Compliance Readiness Assessments
Technical Controls - Assess and Manage	1 - Identify	Professional Security Services (PSS) - Consulting
Vulnerability Assessment/ Penetration Testing	1 - Identify	Professional Security Services (PSS) - RiskSense/Avertium
Vulnerability Management	1 - Identify	Professional Security Services (PSS) - Risksense/Qualys/Nessus
Bot Management	2 - Protect	NextGen Web Application Firewall (WAF), Bot Risk Management (BRM), and API protection via ThreatX, PerimeterX, and Wallarm.
Data Loss Protection (DLP)	2 - Protect	Professional Security Services (PSS) - ITsMINE DLP
DDOS	2 - Protect	DDoS Mitigation Service - Protection against Layer 3 and 4 attacks
DNS filtering	2 - Protect	Adaptive Threat Intelligence
Email Gateways	2 - Protect	Professional Security Services (PSS) - vSOC with managed Fortimail and Cisco Email Security
Endpoint AV/AM	2 - Protect	Professional Security Services (PSS) - Managed Carbon Black
IDS/IPS	2 - Protect	Adaptive Network Security, Managed Prem Firewall - /Fortinet/Palo Alto/Cisco
Internal Phishing Campaigns (testing)	2 - Protect	Professional Security Services (PSS) - InteproIQ
SASE	2 - Protect	Professional Security Services (PSS) - Versa/Netskope/PaloAlto
Security Awareness Training	2 - Protect	Professional Security Services (PSS) - InteproIQ
Single Sign-On / MFA	2 - Protect	Professional Security Services (PSS) - Cisco Duo
SOAR	2 - Protect	Professional Security Services (PSS) - vSOC managed Qradar, Splunk, Sentinal, Swimlane, Palo Alto Cortex
Threat Intelligence	2 - Protect	Adaptive Threat Intelligence
vCISO	2 - Protect	Professional Security Services (PSS) - vSOC managed, managed SIEM, CISOaaS
Web Application Security	2 - Protect	NextGen Web Application Firewall (WAF), Bot Risk Management (BRM), and API protection via ThreatX, PerimeterX, and Wallarm.
Web Content Filtering	2 - Protect	Adaptive Network Security, Managed Prem Firewall - /Fortinet/Palo Alto/Cisco
Zero Trust	2 - Protect	Professional Security Services (PSS) - Appgate/Netscope/Palo Alto Prisma
Endpoint Detection and Response	3 - Detect	Professional Security Services (PSS) - Managed Carbon Black/SentinalOne
Log Monitoring and Retention	3 - Detect	Security Log Monitoring
Security Operations Center	3 - Detect	Professional Security Services (PSS) - SOCaaS
SIEM monitoring - Assess, Implement, Manage	3 - Detect	Professional Security Services (PSS) - Managed SIEM, SOCaaS/vSOC
Back-up and DR Strategy	4 - Respond	Network Storage, DRaaS, Consulting
Incident Response	4 - Respond	Professional Security Services (PSS) - vSOC and IR Retainer

# DDoS Like a Boss Promotion

10/3/2022

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LUMEN®

# Denial-of-service attacks knock US airport websites offline

By The Associated Press October 10, 2022



[Click to copy](#)

## RELATED TOPICS

Technology  
Business  
Atlanta  
Hacking

An apparently coordinated denial-of-service attack organized by pro-Russia hackers rendered the websites of some major U.S. airports unreachable early Monday, though officials said flights were not affected.

The attacks — in which participants flood targets with junk data — were orchestrated by a shadowy group that calls itself Killnet. On the eve of the attacks the group published a target list on its Telegram channel.

While highly visible and aimed at maximum psychological impact, DDoS attacks are mostly a noisy nuisance, different from hacking that involves breaking into networks and can do serious damage.

“We noticed this morning that the external website was down, and our IT and security people are in the process of investigating,” said Andrew Gobeil, a spokesman for Atlanta’s Hartsfield-Jackson International Airport. “There has been no impact on operations.”

# Lumen DDoS like a BOSS - \$850 Offer

Now more than ever, businesses need to safeguard against cyber-attacks. Customers require the DDoS Mitigation Service to protect their critical Internet-facing assets or keep the corporate network available for remote access.

**For a limited time**, Lumen Network Customers can now take advantage of enterprise-grade mitigation with special pricing

**Included in with this offer:**

- Up to 1 Gbps clean bandwidth
- On-demand Auto-Mitigation
- Flow-Based Monitoring (FBM)
- **MRC \$850.00** for each protected Lumen Internet Connection
- **NRC \$0**

**Offer Available through 11-30-2022**

\*Up to 1Gbps return rate for eligible U.S. business customers with new service and a 12-month term.  
Excludes transport, taxes & fees. Restrictions apply.



# Case Study: Security

## DDoS solution delivered in just 32 minutes



One of our partners that provides IT consulting and hardware procurement to non-profits and local governments was threatened with a ransomware notice and needed Lumen's expertise and assistance.

### Challenges:

- **\$3.5M ransomware demand** was made and clock was ticking
- Partner realized they could not meet the "speed of the demand" to avoid attack
- Partner quickly realized their internal Security structure was inadequate and really had no properly defined security strategy nor DDOS in place

### Solutions:

- **Hyper DDOS solution** for mitigation and protection was identified to meet their immediate needs and prevent the attack
- Partner, Channel Manager, Product Manager, and Engineering set up a virtual session and quickly finalized the solution, pricing, terms & conditions and customer approval for activation
- Lumen's Velocity platform was utilized to quickly and efficiently order and install the service

### Results:

- Partner went from crisis and threat of attack/full shut down to full protection in **only 32 minutes**
- Partner had dual service, so DDOS protection was successfully implemented on both Lumen and Spectrum service
- Partner considering **Lumen Security Assessment**, and is looking implementing Lumen DDOS service and Security Assessments for their customers