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Business Trends and the need for **Secure SD-WAN**

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Why are we here? The Enemy is ~~OUTSIDE~~ the Walls EVERYWHERE



Mobility and Access created
a paradigm shift.

SECURITY
EFFECTIVENESS

- ▶ Anti-Virus 1987
- ▶ Firewall 1994
- ▶ Secure Web Gateway
- ▶ DLP 2001
- ▶ Email Gateway
- ▶ NGFW ~2007
- ▶ CASB
- ▶ UEBA

Threat-centric

Data-centric



IMPACTS TO ENTERPRISE CUSTOMERS?

- In 2017 the Cost of Data Breaches reached a new high of \$7.35M on average

-Ponemon Institute, 2017 Cost of Data Breach Study

- 81% of hacking-related breaches were caused by stolen and/or weak passwords
- 66% of malware breaches were installed via malicious email attachment
- 93% of breaches were caused by external threat actors with cyber-espionage as the clear leader

-Verizon 2017 Data Breach Investigations Report

COMPLICATING FACTORS

“As shown in the research, *cloud migration* at the time of the data breach and *mobile platforms* were shown to increase the cost.”

-Ponemon Institute, 2017 Cost of Data Breach Study

64.8% of data breach costs are *indirect* (abnormal customer churn) versus direct costs like time to resolve breach, new technologies, or legal fees.

-Ponemon Institute, 2017 Cost of Data Breach Study

EMERGING TRENDS DRIVEN BY BUSINESS REALITIES

Gartner Top 10 Technology Trends 2018

AI Foundation

Intelligent Apps & Analytics

Intelligent Things

Digital Twin

Cloud to the Edge

Conversational Platforms

Immersive Experience

Blockchain

Event Driven

Continuous Adaptive Risk and Trust



FOCAL POINTS FOR SECURITY, NETWORK & DEVOPS

Continuous Adaptive Risk and Trust

“... to allow real-time, risk and trust-based decision making with adaptive responses. Security infrastructure must be adaptive everywhere...” -Gartner Top 10 Tech Trends 2018

Cloud to Edge

“Connectivity and latency challenges, bandwidth constraints and greater functionality embedded at the edge favors distributed models.” -Gartner Top 10 Tech Trends 2018

THERE IS NO EDGE... YOU ARE THE EDGE

Security infrastructure must be adaptive everywhere + Greater functionality at the edge =

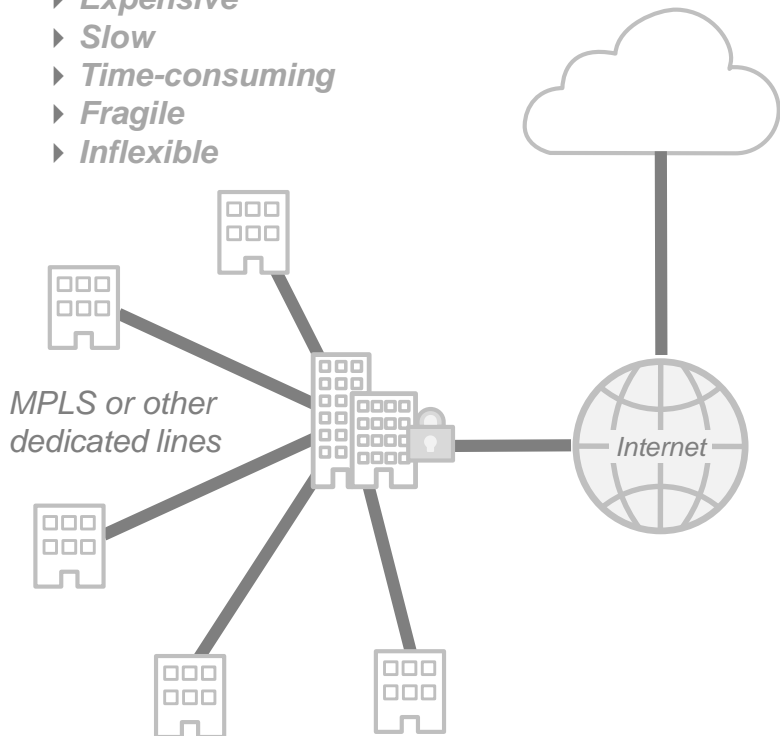
Software Defined – Wide Area Networking



SD-WAN OFFERS A BETTER WAY TO CONNECT

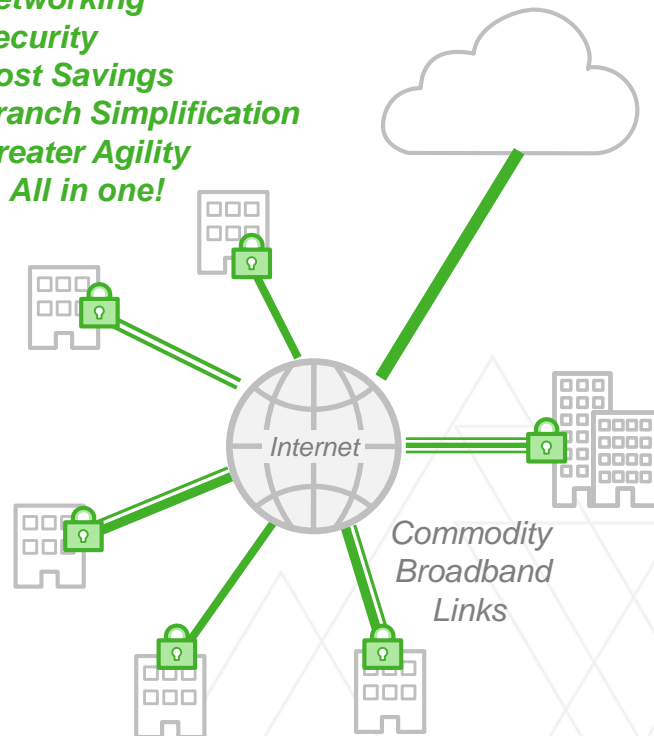
MPLS “Hub-and-Spoke”

- ▶ *Expensive*
- ▶ *Slow*
- ▶ *Time-consuming*
- ▶ *Fragile*
- ▶ *Inflexible*



Enterprise SD-WAN Direct-to-Cloud

- ▶ *Networking*
- ▶ *Security*
- ▶ *Cost Savings*
- ▶ *Branch Simplification*
- ▶ *Greater Agility*
- ▶ *... All in one!*



GARTNER'S DEFINITION OF SD-WAN



Replace WAN routers

Support multiple WAN connections

Simplify WAN management,
configuration and orchestration

Provide secure VPNs,
integrate additional network services

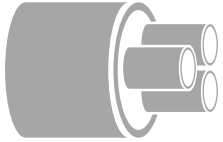


FORCEPOINT BUILDS ON GARTNER'S DEFINITION OF SD-WAN



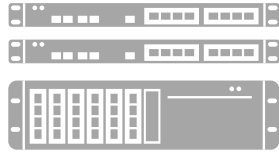
Replace WAN routers	<ul style="list-style-type: none">▶ Integrate WAN router + NGFW▶ Multi – ISPs (e.g., MPLS, Internet, 4G/LTE)▶ Physical or virtual form factor
Support multiple WAN connections	<ul style="list-style-type: none">▶ Mix transports & ISPs for each site▶ Recognize and characterize applications▶ Optimize apps' use of links & bandwidth
Simplify WAN management, configuration and orchestration	<ul style="list-style-type: none">▶ Unify policies for connectivity + security▶ Zero Touch Deployment▶ Manage >1500 sites in one console
Provide secure VPNs, integrate additional network services	<ul style="list-style-type: none">▶ Automate VPN setup with site drag-and-drop▶ Service-chain Web Security + CASB in cloud

WHY ORGANIZATIONS SHORTLIST FORCEPOINT



SD-WAN MULTI-LINK™ OPTIMIZATION

Unique and praised
by end users VPN
Mesh technology



CLUSTERING & HIGH AVAILABILITY

The best clustering
capabilities available
on the market place



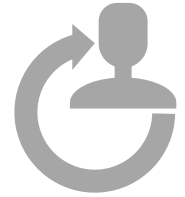
#1 NGFW & IPS SECURITY

Top-ranked security on
NSS Labs' NGFW and
NGIPS tests



SINGLE-PANE MANAGEMENT

Simply the smartest
management system
in the industry



OPERATIONAL EFFICIENCY

Zero-touch deployments
and one-click
updates/updates

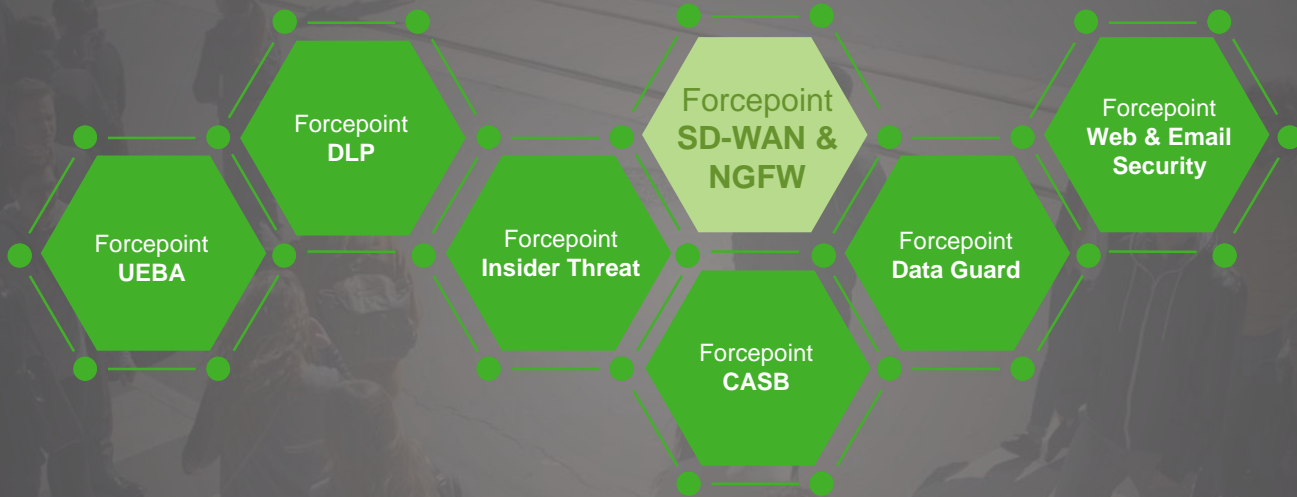
TRUE ENTERPRISE SOLUTION

Greater Agility with Lower TCO

THE HUMAN POINT SYSTEM



THE RHYTHM
OF PEOPLE



THE FLOW
OF DATA



360°
VISIBILITY



UNIFIED
POLICY



RAPID
ENFORCEMENT



EFFICIENT
COMPLIANCE

THANKS!

Additional Resources:

SD-WAN Home Page <https://www.forcepoint.com/solutions/need/sd-wan>

The 'S' in SD-WAN Doesn't Stand for Security

<https://www.linkedin.com/pulse/sd-wan-doesnt-stand-security-dutch-brian-schwartz/>

Securing Enterprise SD-WAN

<https://www.linkedin.com/feed/update/urn:li:activity:6431338999046115328>

<https://www.linkedin.com/in/dutchschwartz26/>

NEXT STEPS / QUESTIONS

Submit your questions now through BrightTALK,
or email Vid.Sista@AccudataSystems.com

Visit accudatasystems.com/secure
for more information on:

- Accudata's Security Technology Review
- Secure-By-Design Workshop

