# Secure Access Service Edge (SASE)

Tulevaisuuden palvelupohjainen verkkotietoturvamalli

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Data Protection | Web Security | CASB | NGFW | Advanced Malware Detection | Behavioral Analytics | Insider Threat | Email Security | Data Guard | Cross Domain

# Four Elements Of Digital Transformation That Create Advantage And Risk

box workday. salesforce Office 365

"Your IT infrastructure is going to the cloud, driven by business need and speed."

- Cloud IT creates security blind spots and fragmented security management and accountability.

"Data is the new oil and artificial intelligence the new engine of the digital economy."

- More critical data is being created than properly protected.
- Data should flow freely across the business.

"Workforce, devices, and business processes are globally hyperconnected."

- Network transformation to support cloud-centric IT breaks existing security architectures.
- Personnel and IoT devices are security vulnerabilities.

"Employees and partners collaborate using all of a company's assets."

- A critical need is created to ensure trusted interactions across the extended enterprise.

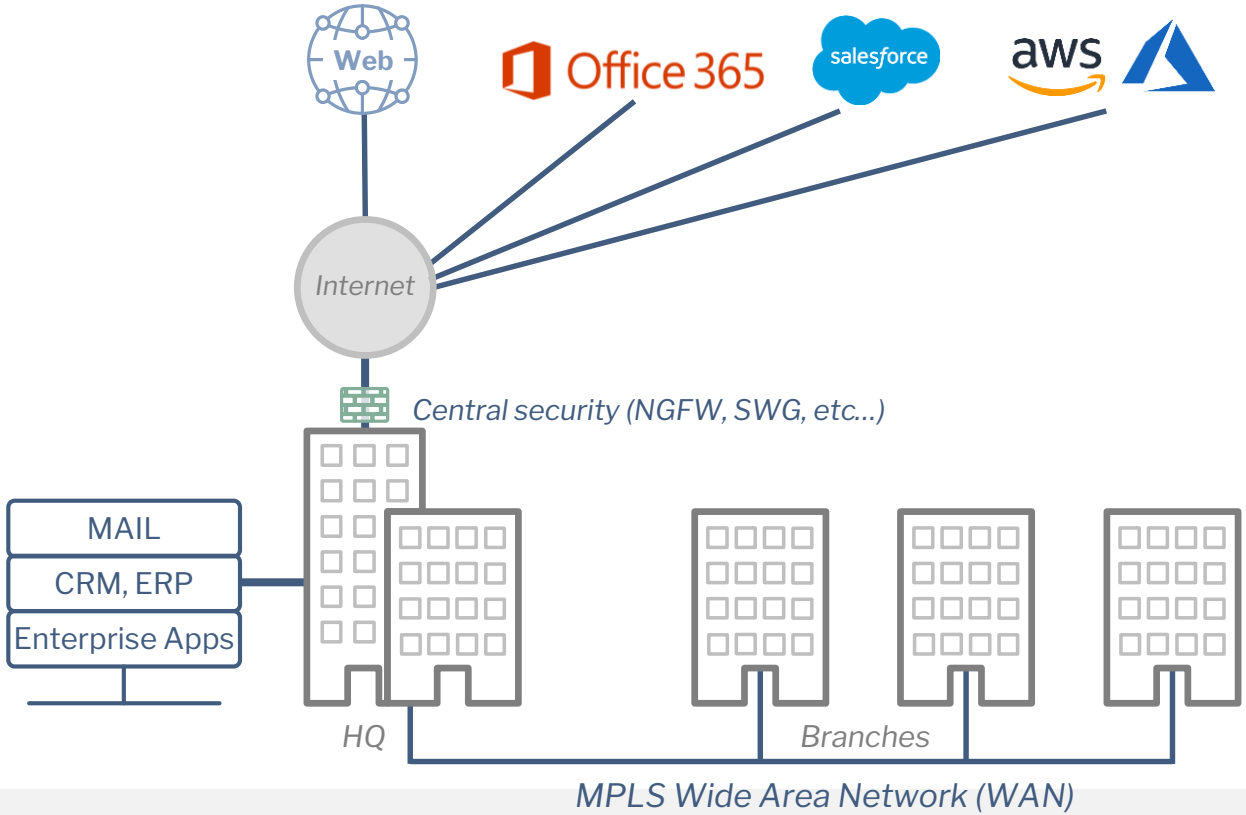
# Apps in the Cloud Often Spur Network Transformation


Internal Apps

SaaS

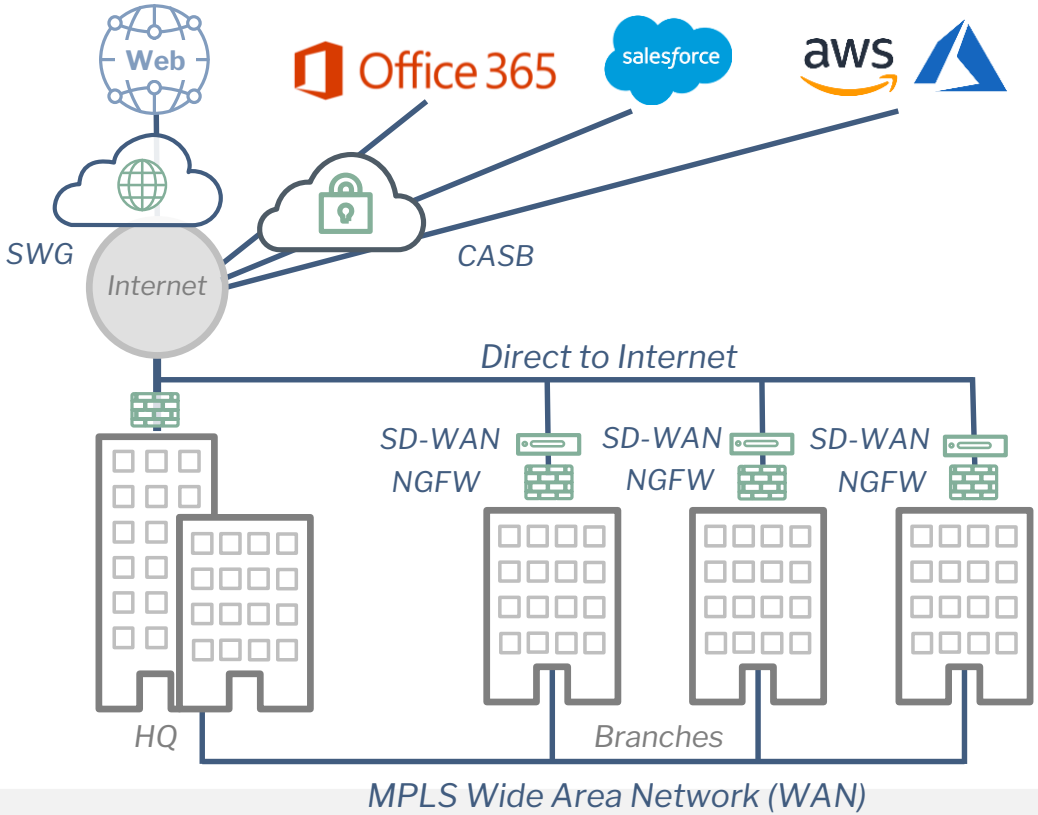
# Traditional architecture works poorly with SaaS apps

- Poor performance (low bandwidth, high latency)
- Single points of failure
- Slow provisioning
- Poor visibility and control for data move with SaaS apps
- Mobile users not secured unless routed through HQ



# Current point solutions try to remediate the problems

1. Direct to internet connectivity in branches for better SaaS access
2. NGFWs in branch offices to strengthen security
3. SD-WAN to optimize direct to cloud and site to site VPN
4. CASB to control sanctioned apps usage
5. Cloud Web security to protect mobile users



# Challenges remain

**Solution rely point products**

- Laborious and costly to manage operate
- Expensive and complex architecture
- Products may not work well together

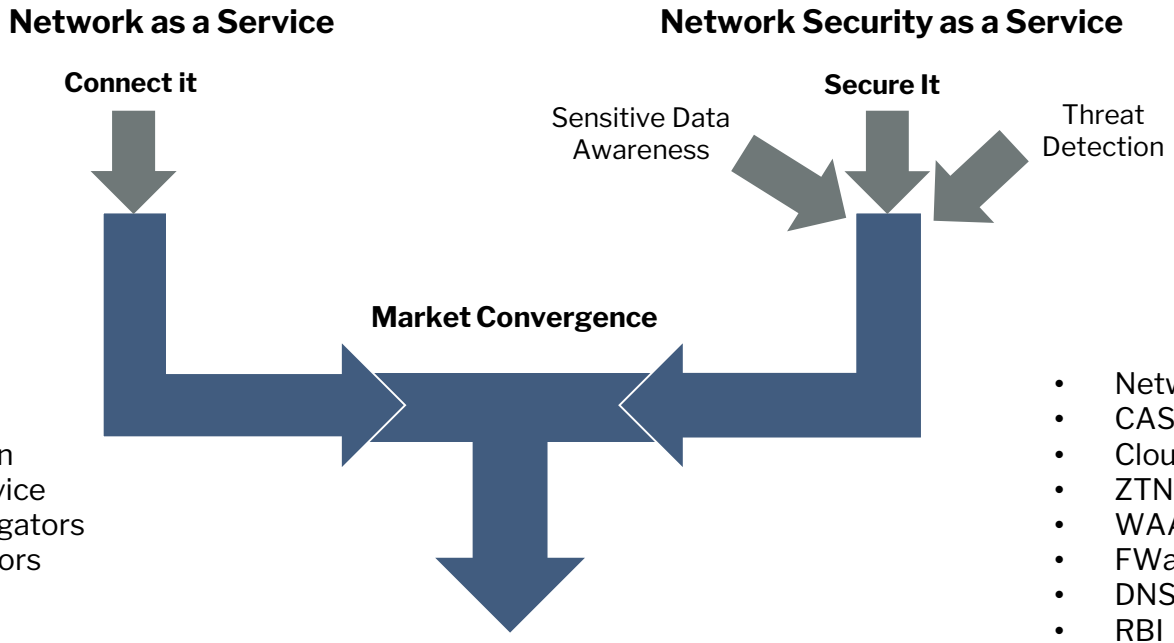
**Heavy on-premises footprint**

- Security professionals time goes for box maintenance
- Inflexible and expensive
- CAPEX heavy upfront investments

**Static security policies**

- Error prone and heavy to maintain
- Lack of data context
- High false positive rate burden for productivity

# SASE Convergence




- SD-WAN
- CDN
- WAN Optimization
- Network as a Service
- Bandwidth Aggregators
- Networking Vendors

- Network Security
- CASB
- Cloud SWG
- ZTNA/VPN
- WAAPaaS
- FWaaS
- DNS
- RBI

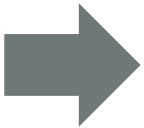
**Secure Access Service Edge**

*Source: Gartner 'The Future of Network Security Is in the cloud", Skorupa & MacDonald & Orans 30 August 2019*

# Cloud-native, cloud-based service delivery

**Heavy Branch**

- Router
- VPN
- NGFW
- WAN Optimization
- SWG
- DLP



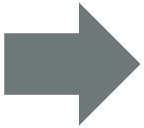
**Thin Branch** + **Heavy Cloud**

- SD-WAN / FW
- Simple WAN Opt.

- CASB
- Web App FW
- FWaaS w/IPS
- SWG
- ZTNA / SDP
- Sandbox
- DLP
- RBI
- VPN

**On-Premises Management**

- Product specific Management consoles



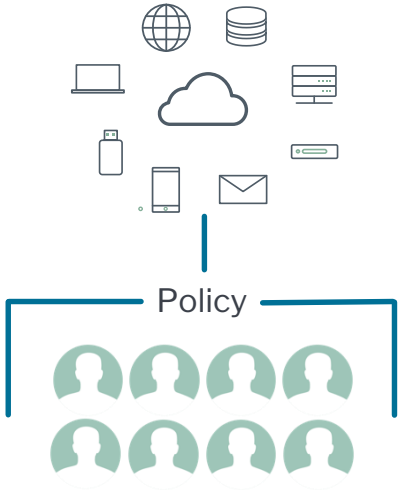
**Cloud Management**

- Unified SaaS Management

*Source: Gartner 'The Future of Network Security Is in the cloud", Skorupa & MacDonald & Orans 30 August 2019*

# Dynamic identity and context aware security

## Traditional Security




One-to-many enforcement of static, generic policies, producing high false positive rates.

## Identity-Centric Security

One-to-one enforcement of different policies based on the risk, enabling automation.

# Key elements of SASE model

**Converged WAN edge and network security**

Integrates web, network, cloud app, and data security for safely connecting sites and users to apps everywhere

**Cloud heavy service delivery**

Reduces costs and variability in infrastructure and operations

**Identity-centric architecture**

Dynamic risk-adaptive user and context aware protection

# Recommendations

## Go with converged

Get familiar with new converged technologies and include network security providers in SD-WAN evaluations

## Select future proof

Start requiring network security vendors to show a roadmap for SASE capabilities.

## Avoid cheap copies

Avoid marketing fuss and SASE offering that are stitched together. Scratch a surface especially with SD-WAN, DLP and central cloud management capabilities.

# Dynamic Edge Protection

Reduce the cost and complexity of securely connecting your remote offices to the cloud.

Experience the power and simplicity of converged security in the cloud in your own environment.

One solution. One Vendor. Forcepoint.

*Contact edge-early-access@forcepoint.com for details*

# Thank you

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