

# Prečo je novým trendom bezpečnosti SASE?

Ďalší "hype" na obzore...?

Marián Puttera, Country Leader, Cisco Slovakia

21. Jún 2023



# Pripájanie užívateľov k aplikáciám

---

Užívatelia sú všade – hybridný spôsob je realitou

82% “knowledge worker” zamestnancov bude pracovať hybridným spôsobom po roku 2023\*



---

Adopcia SaaS aplikácií

99% organizácií bude využívať jednu alebo viacej SaaS aplikácií do konca roka 2024\*\*

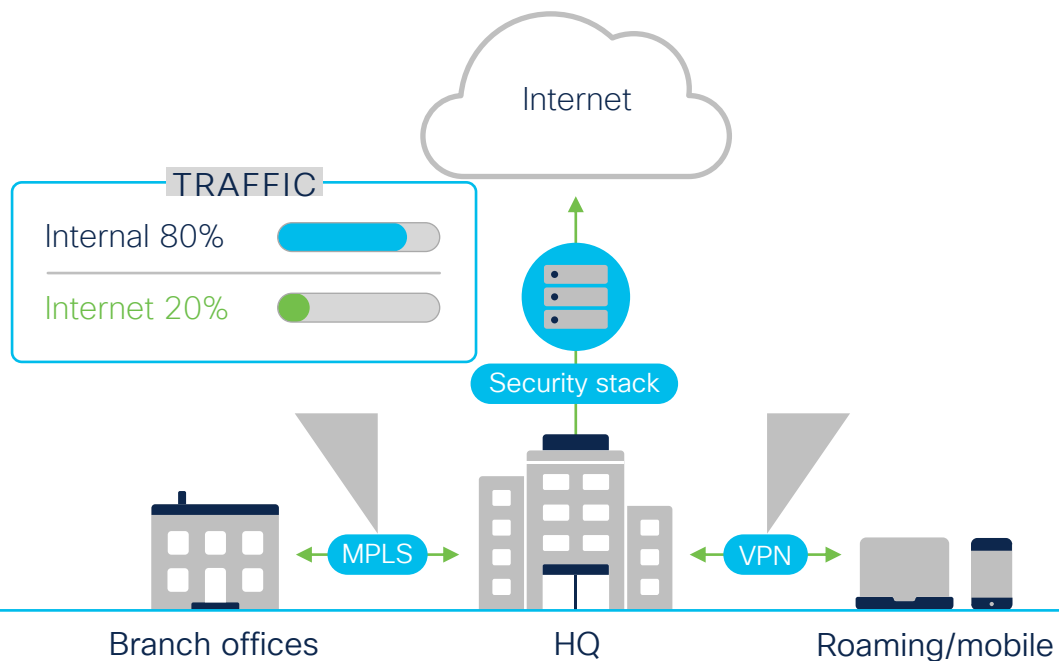


# Networks We Used To Build - Historic Traffic Flows

Led to the age of perimeter-based security and networking

Network  
Centralized

Security  
Single, on-premise security stack



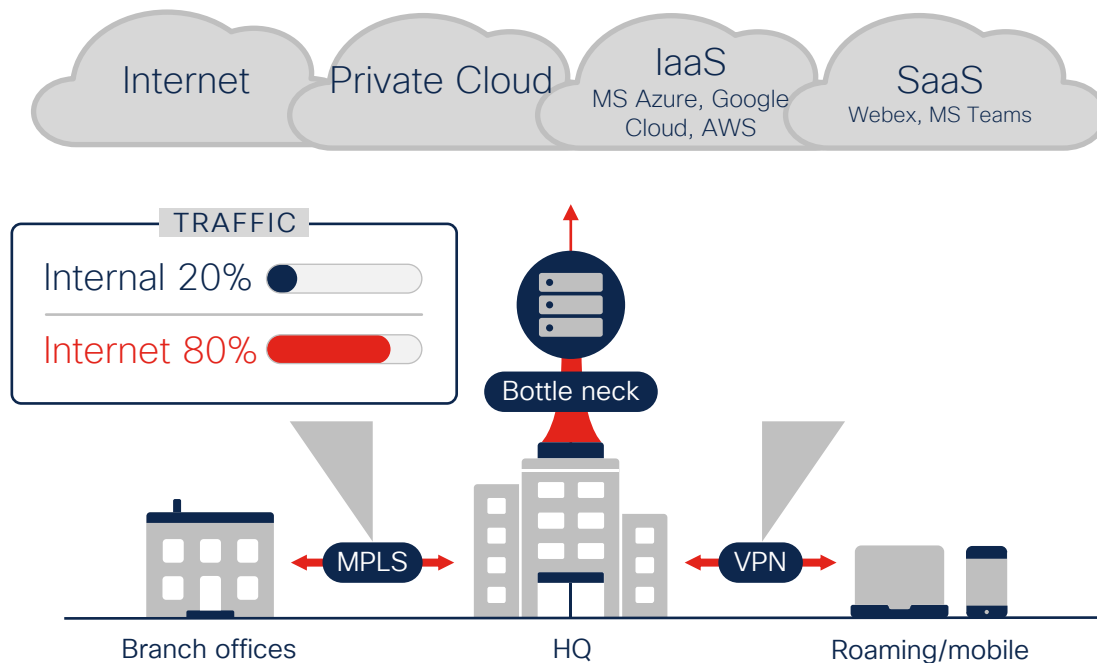
# What Has Changed?

## Problems:

- Costs
- Performance
- # Tools/vendors
- Integrations
- Maintenance

## Data Center Backhaul

- Increased App Latency
- Unpredictable User Experience



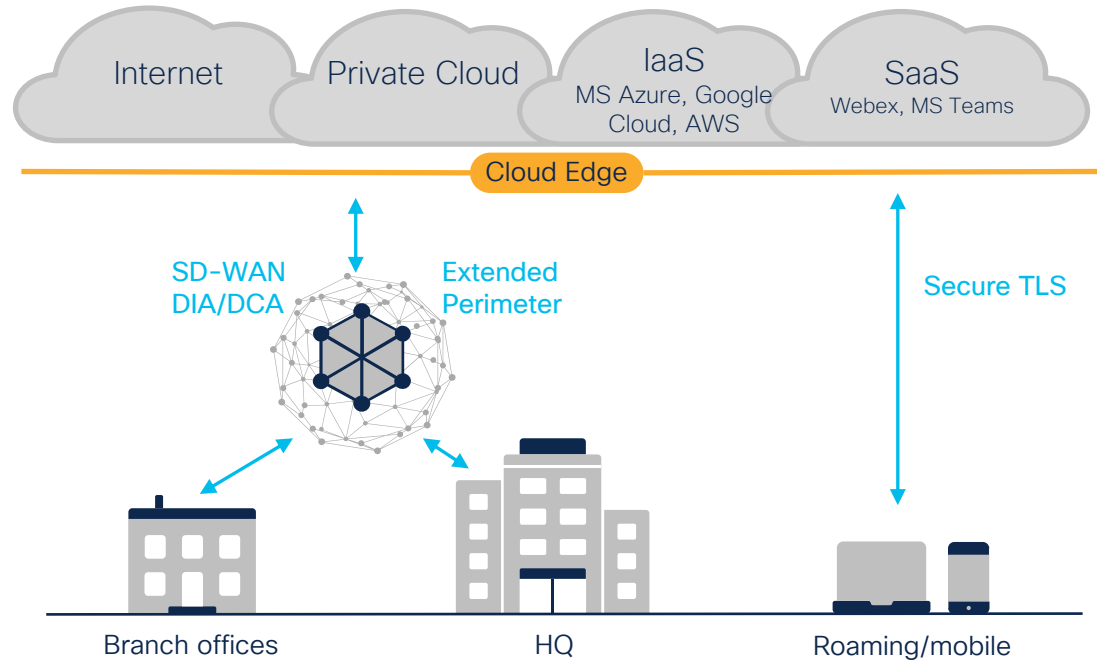
# The Future Model

## Decentralized model

Supports applications hosted in the cloud

Offers to users the same off-network experience

Networks no longer connect branches to data centre – they securely connect users to apps



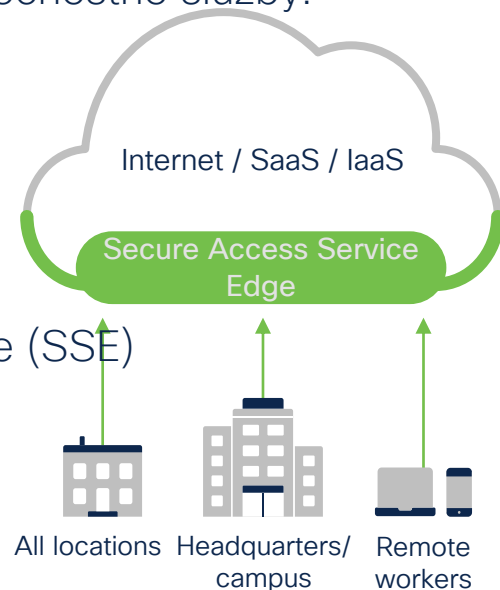
# Čo je to **SASE**?

SASE je pojem, ktorý prvý krát použil Gartner v roku 2019 Secure Access Service Edge

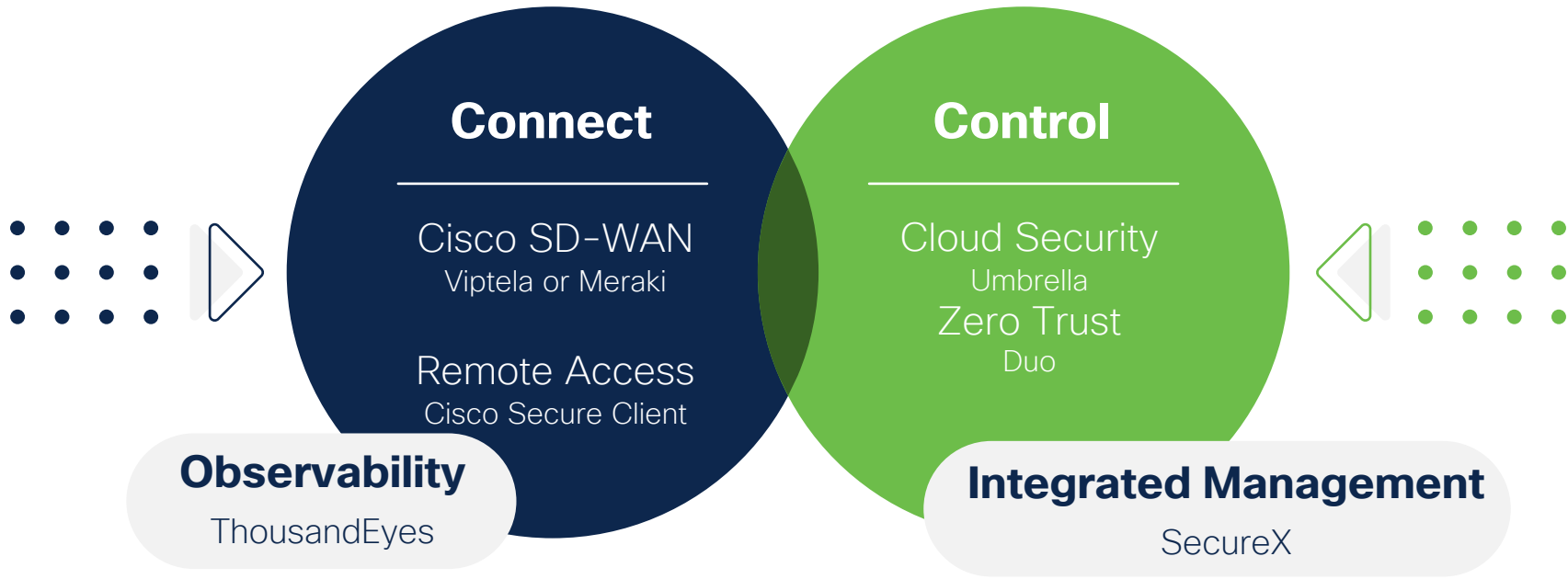
SASE kombinuje SD-WAN a z cloudu poskytované sieťové bezpečnostné služby:

- Firewall as a service (FaaS)
- Secure Web Gateways (SWG)
- Cloud Access Security Broker (CASB) a
- Zero-Trust Network Access (ZTNA)

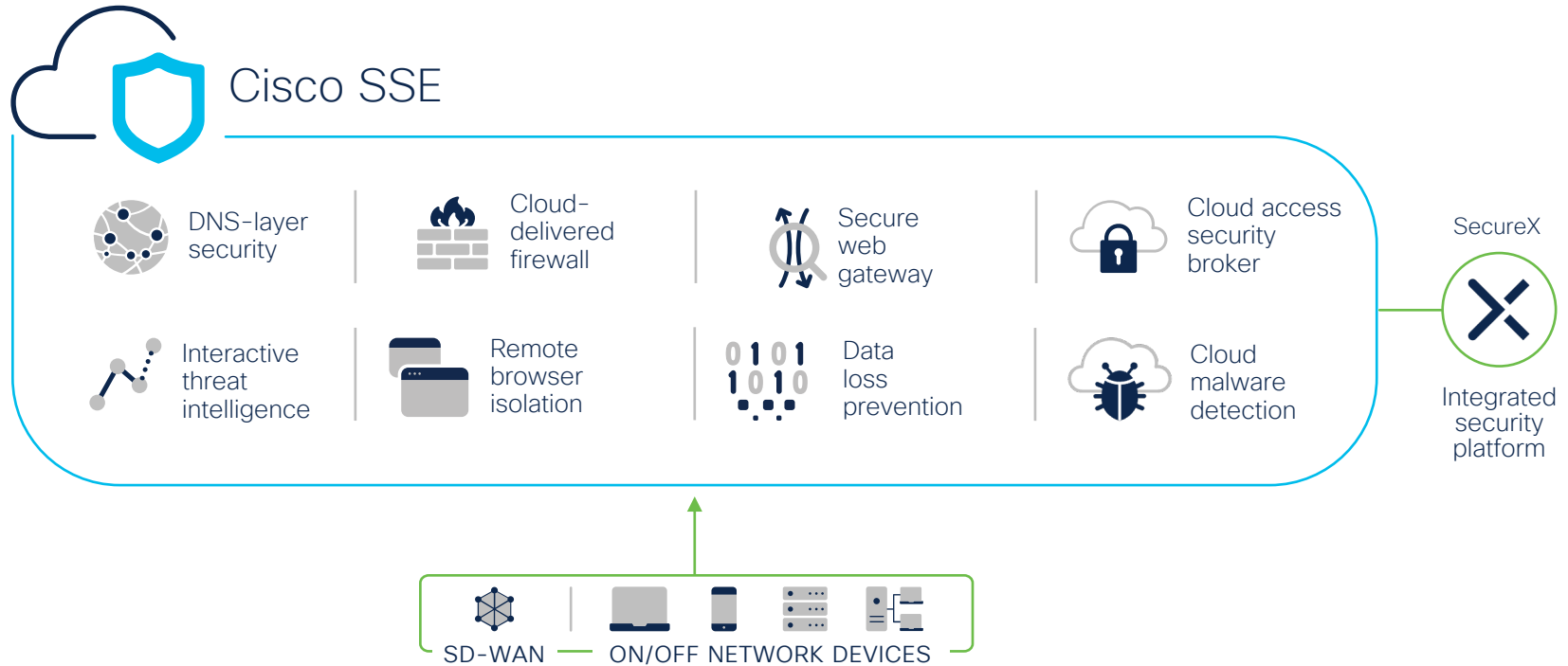
Bezpečnostné služby v cloude sa nazývajú Security Service Edge (SSE)  
Kombinácia SD-WAN a SSE je SASE.



# Komponenty Cisco SASE Architektúry



# Cisco SSE (Umbrella): Cloud-native security

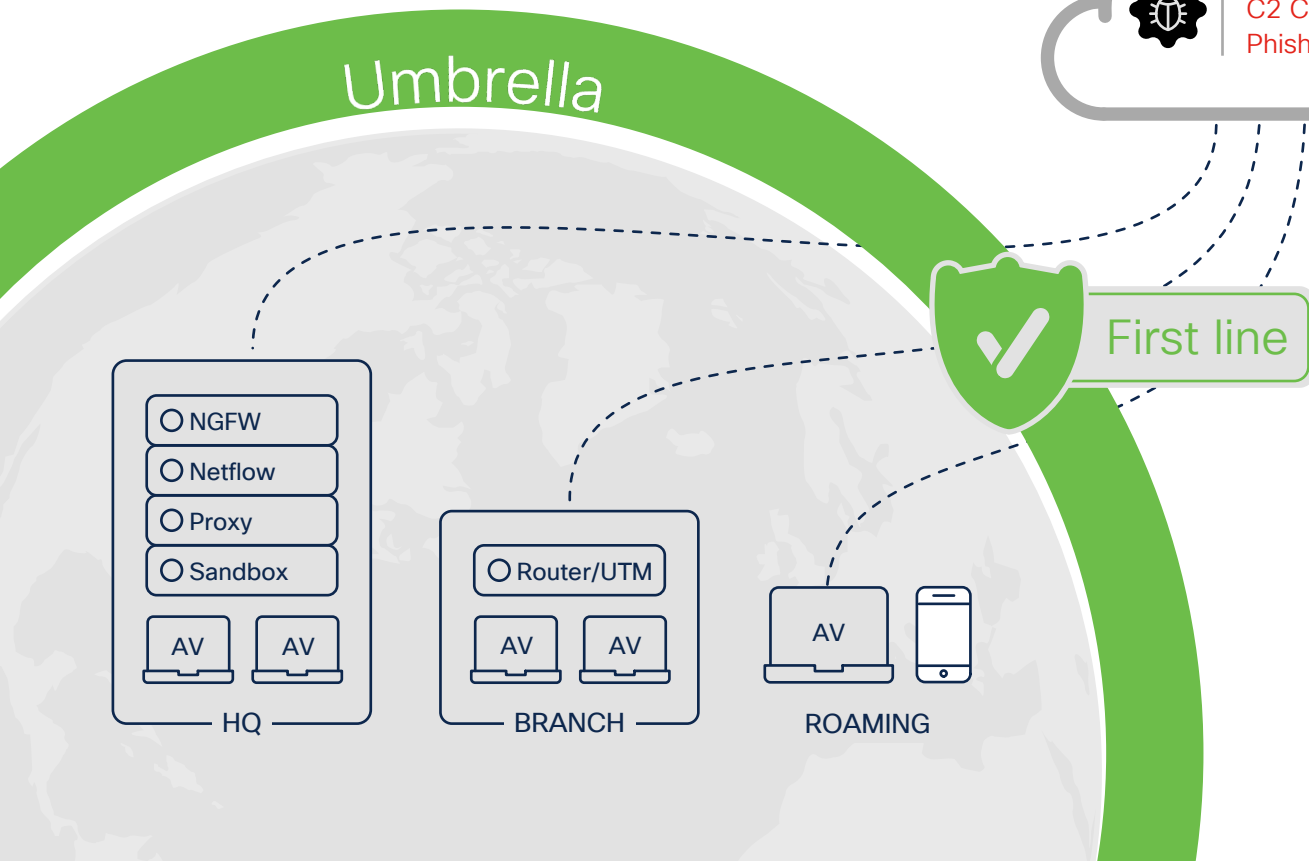




# Všetko začína s DNS

Prvá línia ochrany

90% malvérov využíva DNS, napriek tomu iba 68% organizácii DNS vôbec nemonitoruje !



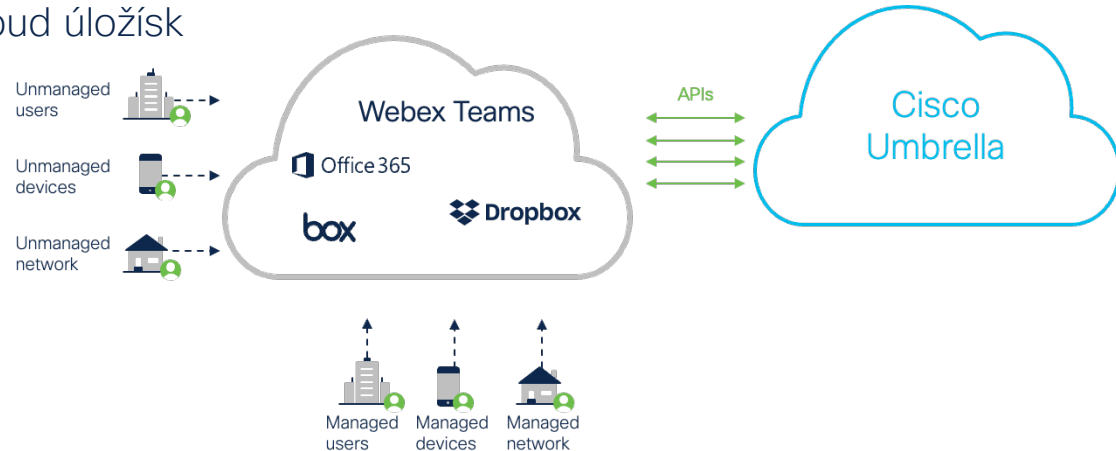
## Výhody

- Blokuje malware, phishing, CNC callbacks skôr než preniknú do siete
- Extrémne rýchle nasadenie
- Prístup do Internetu je rýchlejší

# Cloud Access Security Broker (CASB)

## Visibility, control, and protection

- Kontroluje využívanie SaaS aplikácií
  - Kontrola obsahu, aplikácií a tenantov
  - Granulárna kontrola pre uploady, zdieľanie a pod. (počet upload/ov na Dropbox, post/ov na FB, Twitter, attachmenty Gmail a pod.)
  - Automatizuje alerty o rizikových aplikáciách a aktivitách
- Detekuje a odstraňuje malware z cloud úložísk



# Cisco Talos: Na veľkosti záleží

Najväčšia komerčná threat intelligence organizácia na svete

- ▶ **400+** full-time threat researchers and data scientists
- ▶ **5 billion** reputation requests, **2 billion** malware samples seen daily
- ▶ **5 billion** category responses, **200 million** IPs & URLs blocked daily.

We **see more** so you can **block more** and **respond faster** to threats.



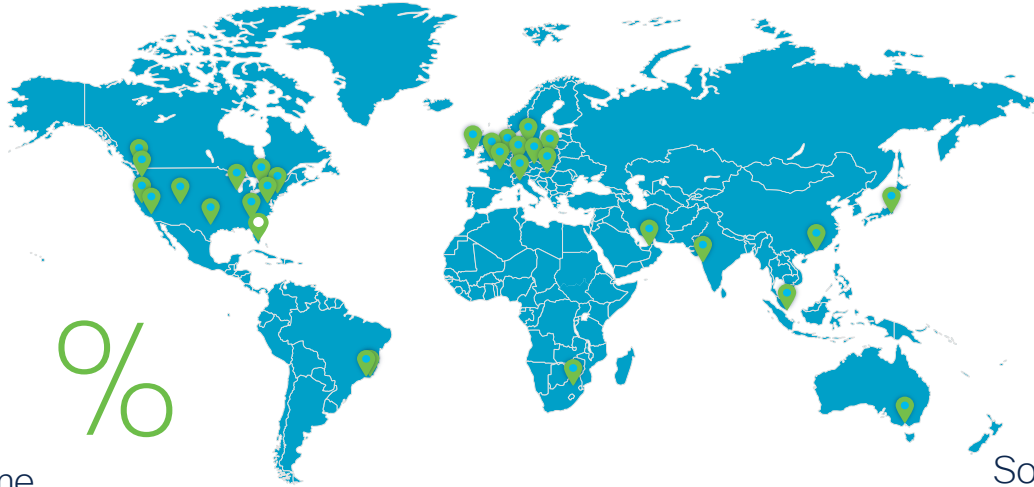
# Data centers co-located at major IXPs

▶▶ 40+

data centers  
worldwide

100 %

business uptime  
since 2006



Some of our peering partners:



Google Fiber

verizon

amazon

DocuSign



Microsoft

Alibaba.com



Google

Adobe

box

Baidu

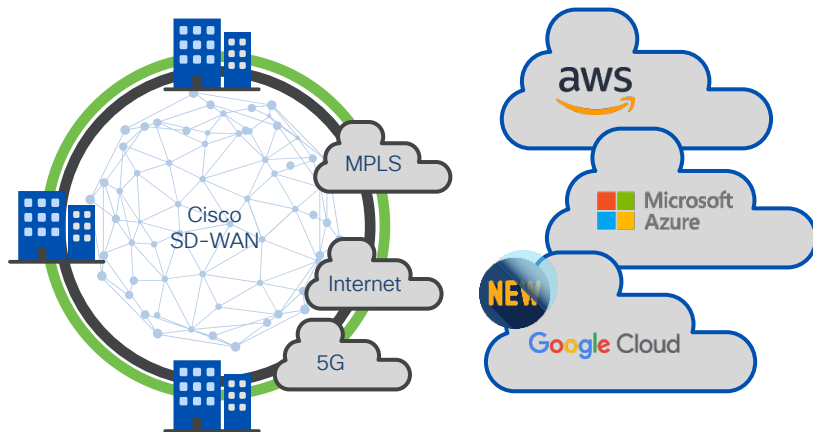
Cisco Webex



# Cloud OnRamp for Multicloud

## Automate SD-WAN extension to IaaS via vManage

Cisco is the only market player to partner with top 3 cloud providers for end-to-end solution



### Greater automation

Automate SD-WAN extension to the cloud with just a few clicks

### Normalized multicloud experience

Consistent UI and workflow in vManage

### Unified security policies

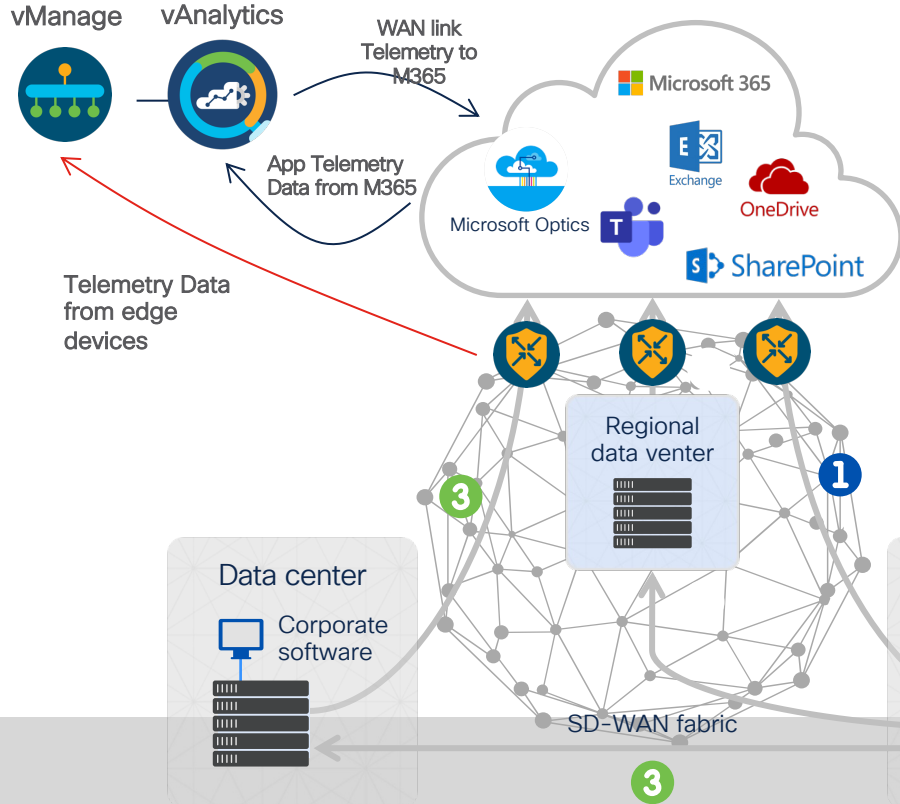
Extend consistent enterprise segmentation policy into the cloud

### Ease of management

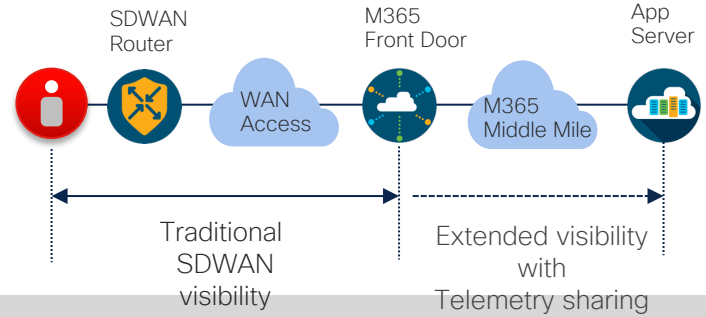
Orchestrate Cisco and cloud provider networking resources via vManage

# Cloud OnRamp for SaaS with Microsoft 365

## Optimize the Microsoft 365 application experience

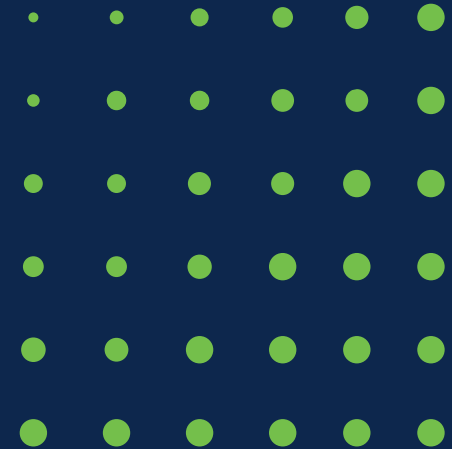


- Microsoft Network Partner Program certified
- First SD-WAN vendor to support Microsoft 365 Informed Network routing
- App aware path selection through proactive link probing and telemetry
- Granular policy applied per Microsoft 365 application



# Je SASE naozaj len “hype”?

- 99% of companies will be using one or more SaaS solutions by the end of 2023.
- By 2025, 80% of enterprises will have adopted a strategy to unify web, cloud services and private application access using a SASE/SSE architecture, up from 20% in 2021.
- By 2025, 65% of enterprises will have consolidated individual SASE components into one or two explicitly partnered SASE vendors, up from 15% in 2021.
- By 2025, 50% of new SD-WAN purchases will be part of a single-vendor SASE offering, up from 10% in 2022.



Ďakujem za pozornosť.

