

# SASE, what is it?

## BCS ISSG Early Careers Webinar

Luke Hebditch

- Technical Solutions Specialist, Cloud Security EMEAR, Cisco
- BCS ISSG Committee Member

Thursday 1<sup>st</sup> April 2021

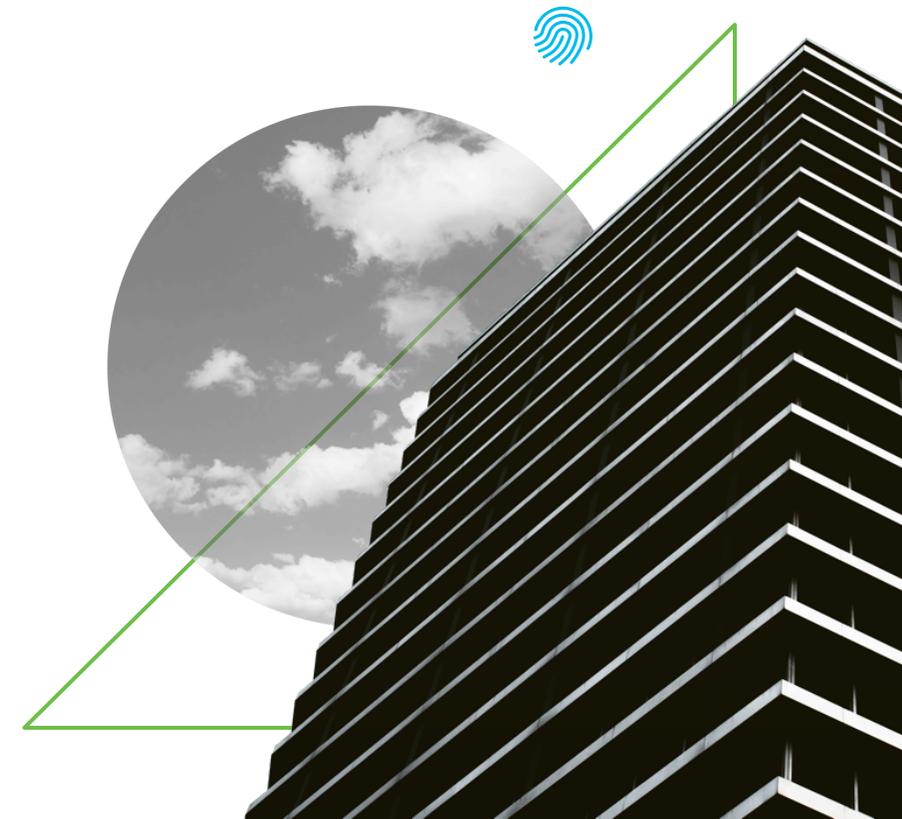


# Agenda

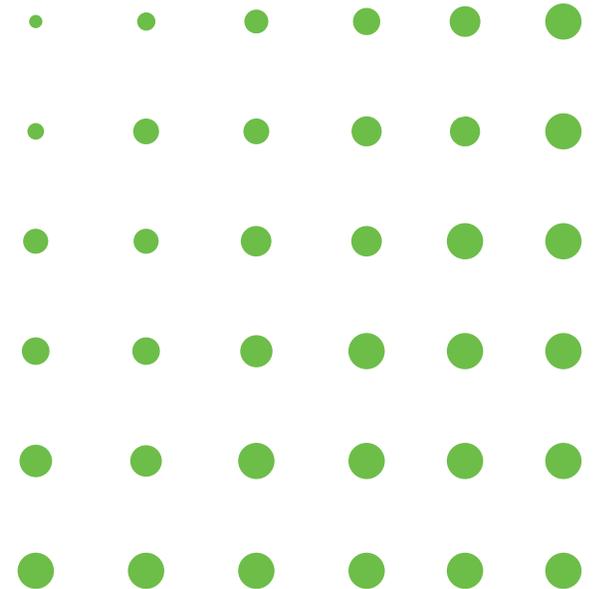
- Who am I? My journey to today
- SASE, another buzzword?
- Q&A

# Luke Hebditch

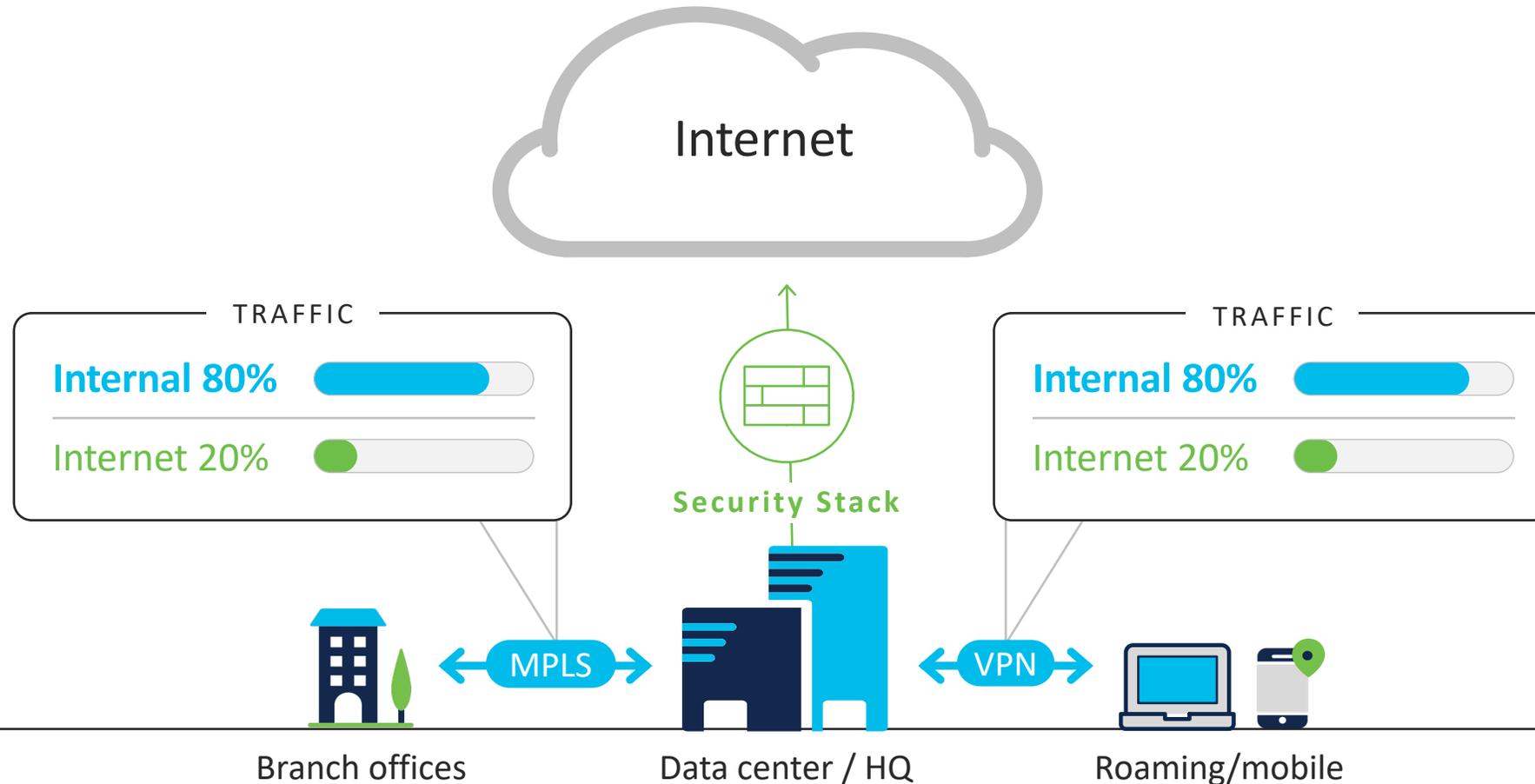
- Technical Solutions Specialist, Cloud Security
- Cisco CCNP Certified in both Security and Enterprise
- Joined Cisco in 2016 via Degree Apprenticeship programme
- Graduated with a 1<sup>st</sup> – BSc Digital and Technology Solutions: December 2019



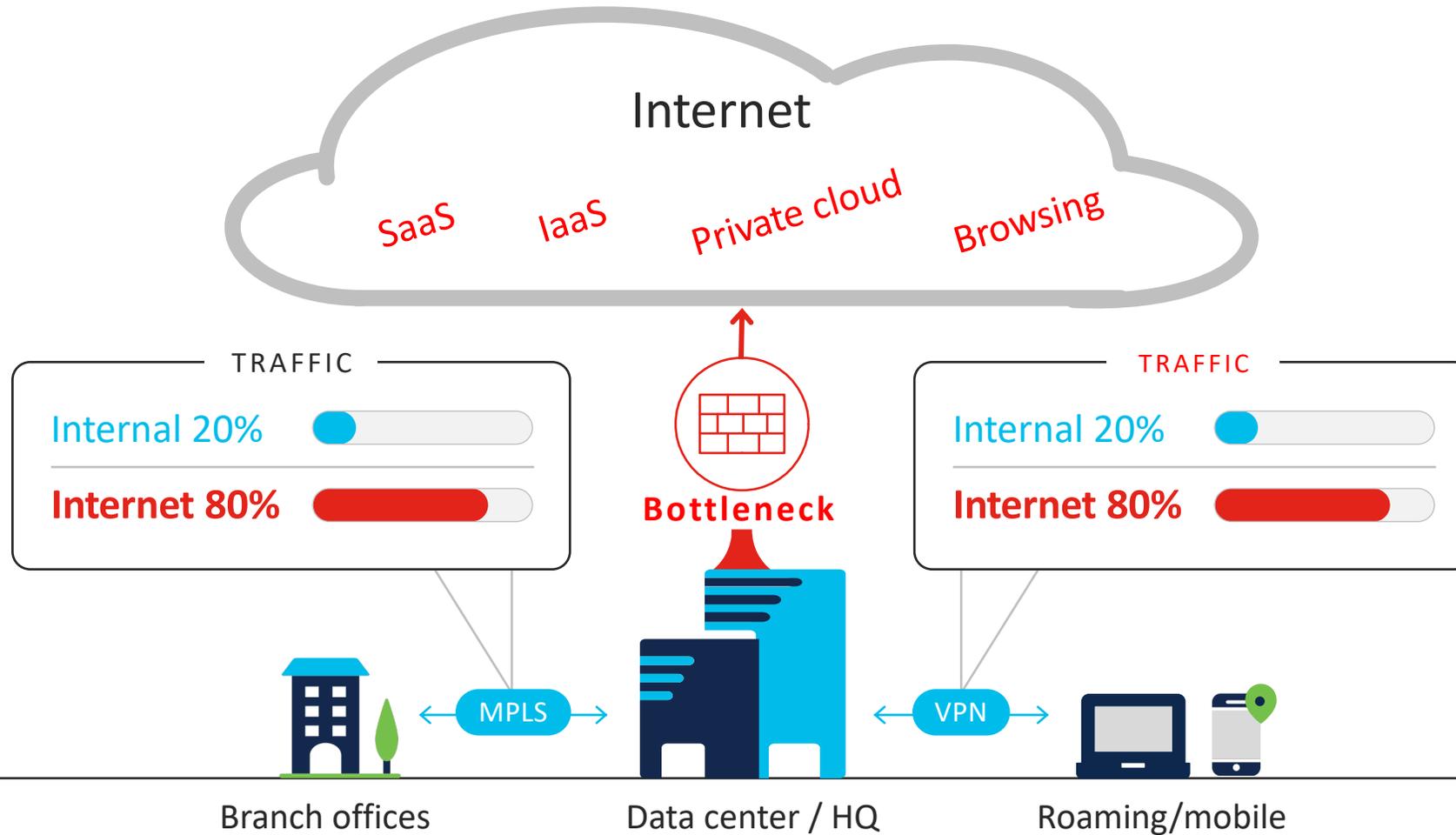
SASE, another buzzword?



# Historic traffic flows led to the age of the single, on-premise security stack



# Changes in the types of traffic, origins, and destinations have inverted the traffic model



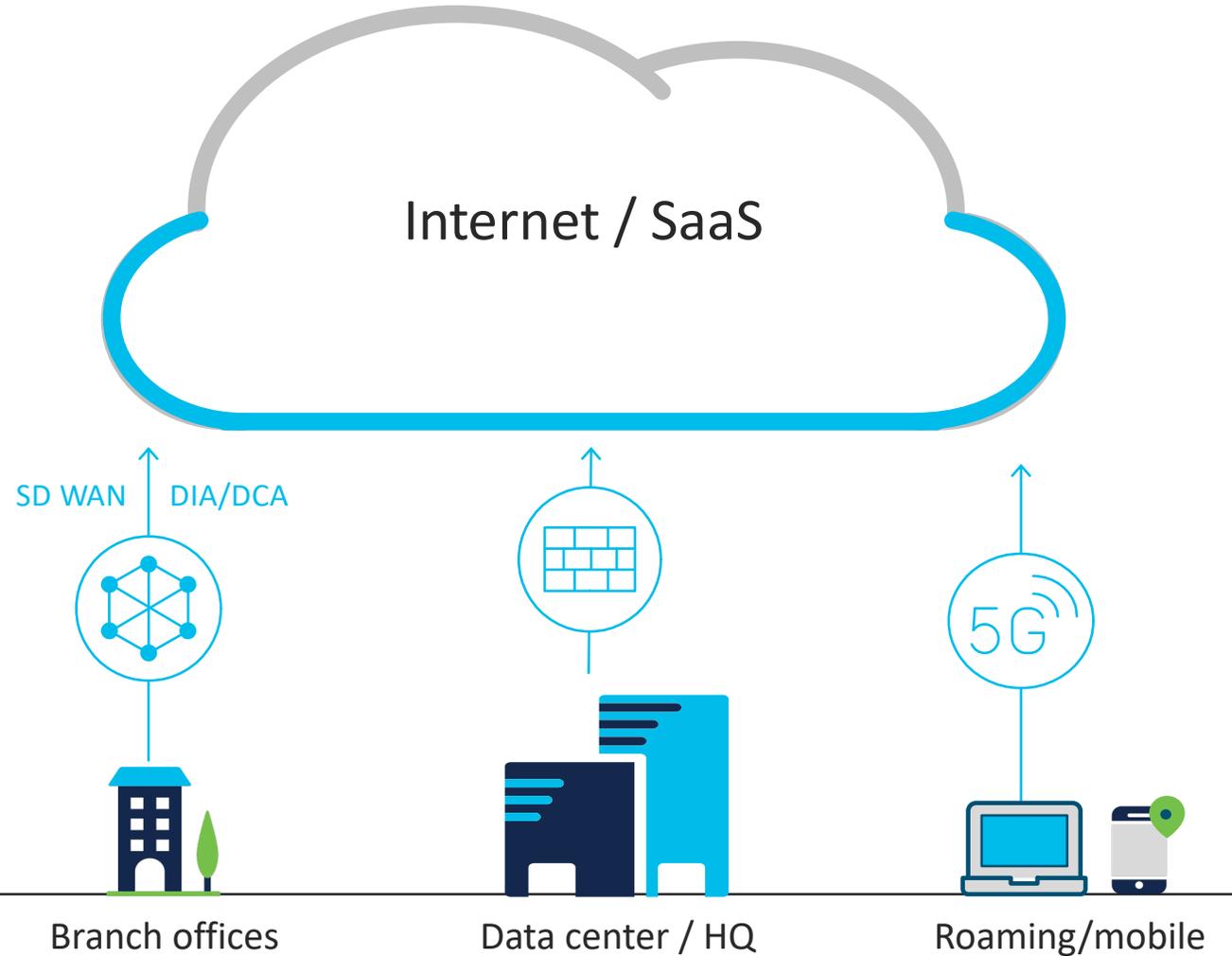
## Problems:

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

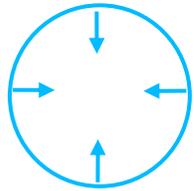
# A more modern “direct internet access” approach

**Network:**  
Decentralized

**Security:**  
Protect traffic from multiple  
locations at the cloud edge

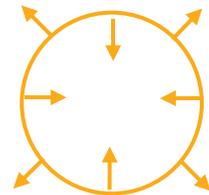


# The nature of the network has changed



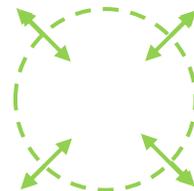
Firewall

Keep data **within** the firewall



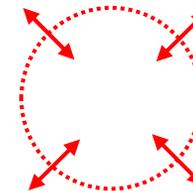
Net

Manage data **inside** and **outside** the firewall



Extranet

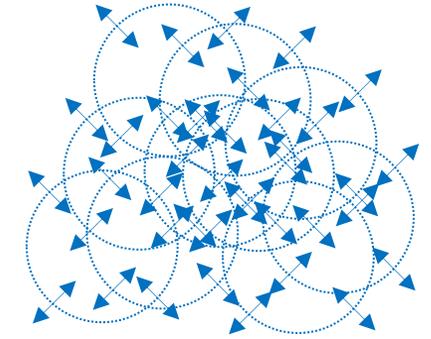
Manage data **through** the firewall



Access

Manage data through **IDM** and **access control**

We are here

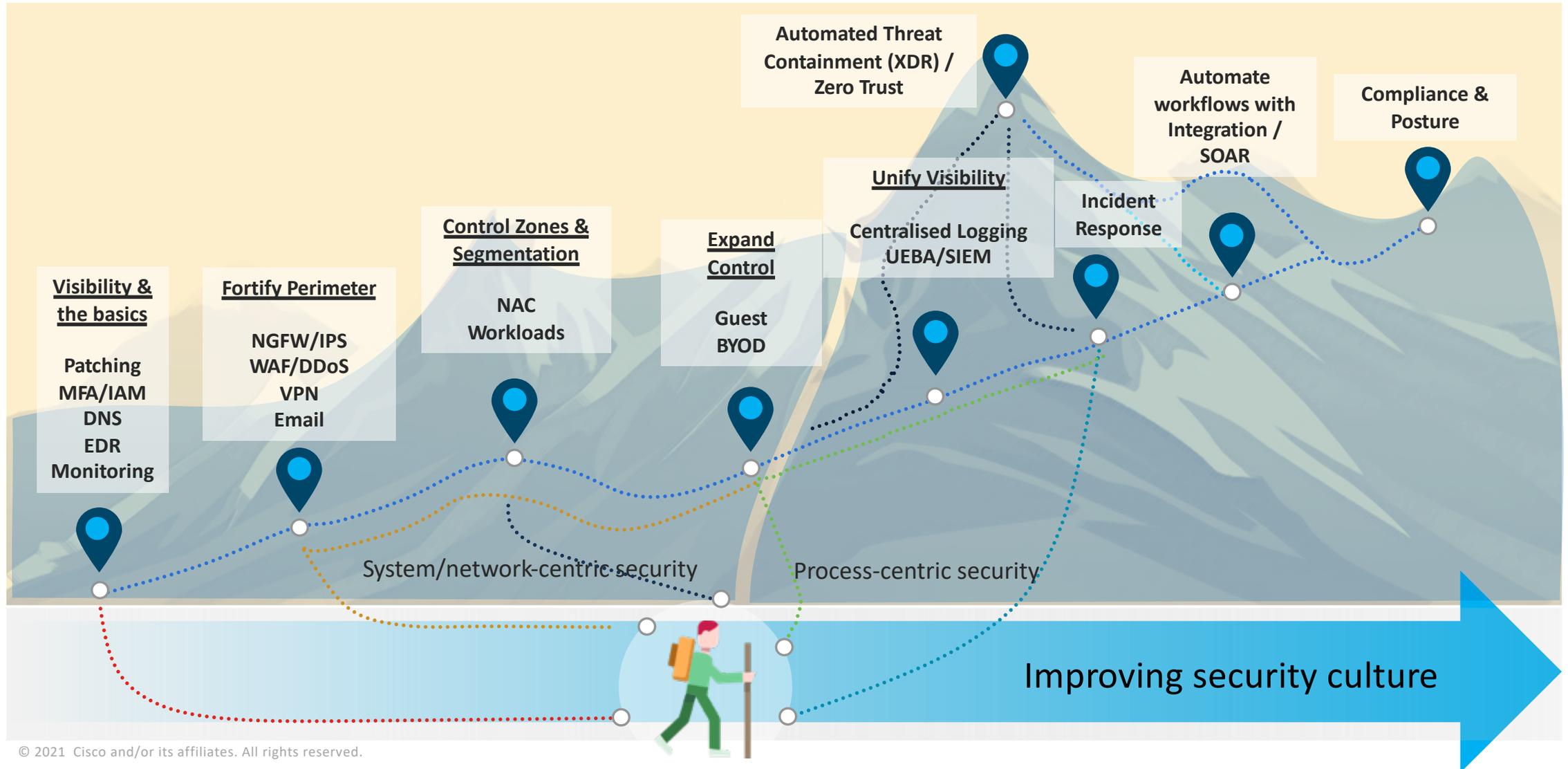


Intelligence

Dynamic content **data-centric** & **person-centric**



# The Journey to Integrated Business-Security



# Process/data-centric security: secure the workflow

## Secure communications for email: CEO sending email to shareholder



## Secure applications for employees: Employee working remotely



## Secure web access for employees: Employee researching product information



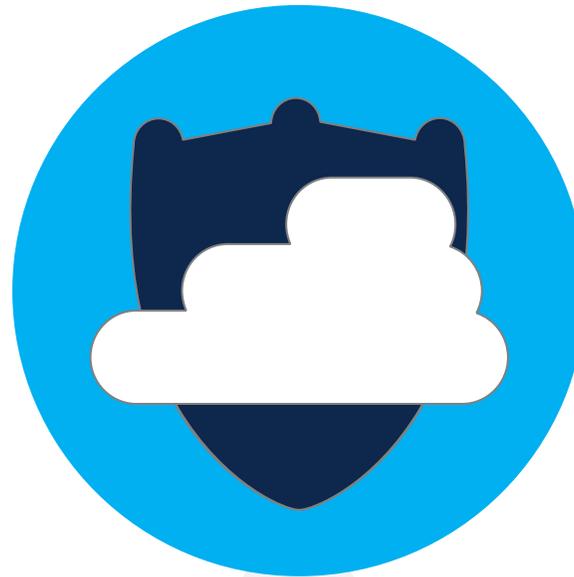
## Secure communications for collaboration: Subject matter expert consultation



# The typical first step to address these issues is to combine cloud-delivered security services

93%

of orgs agree that moving security to the cloud has increased efficiency



76%

of orgs are looking for multi-function cloud security services

DNS security

Secure web gateway

Firewall

Cloud Access Security Broker  
CASB

# Cloud and Network Evolution

 Networks continue to decentralize

 Applications and data are going to the cloud

 Security and networking functions are converging

80%

of orgs are shifting to direct internet access (DIA)

76%

of orgs use SD-WAN extensively or selectively

42%

of branch office security deployments take over a month

68%

of branch offices and roaming users were the source of compromise in recent attacks

# Next, reduce complexity and improve performance by unifying networking, security and identity

There are many names for this multi-function approach...

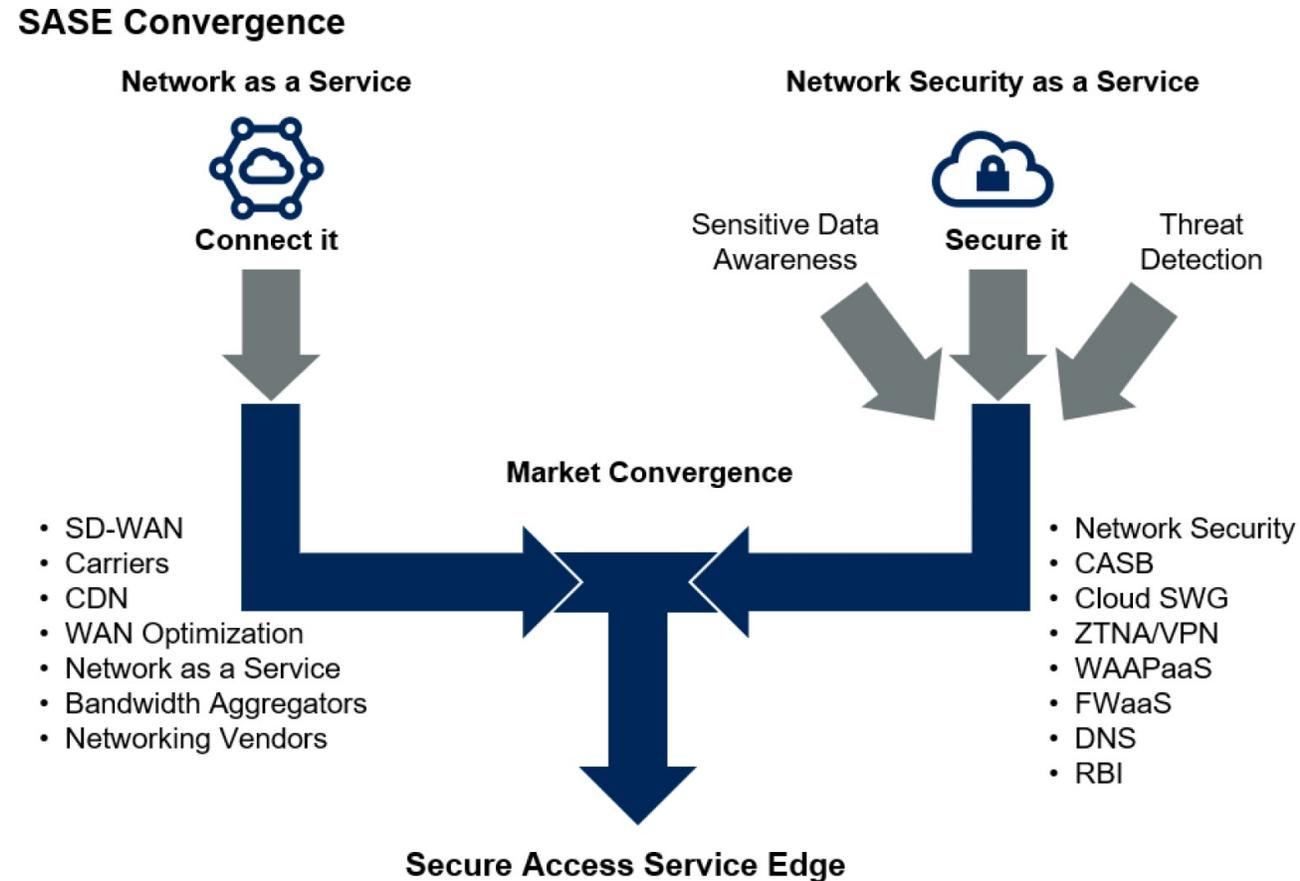
The Gartner logo is displayed in a blue, sans-serif font with a registered trademark symbol.

**Secure Access Service Edge (SASE)**

Convergence of networking & security services including SWG, CASB, DNS protection, firewall-as-a-service, SD-WAN, and zero trust network access

...but full agreement on the move to cloud-native aggregation

# SASE Architecture Model Fundamentals (Gartner)



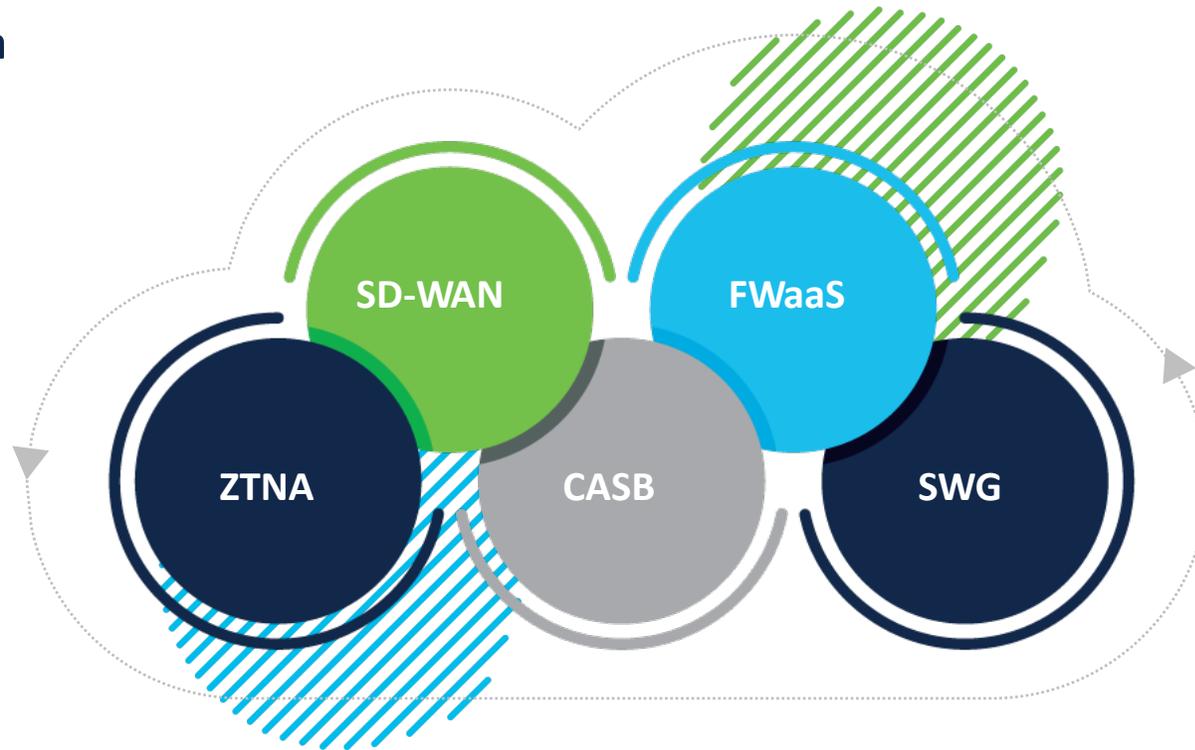
CDN: content delivery network; RBI: remote browser isolation; WAAPaaS: web application and API protection as a service.  
Source: Gartner  
ID: 441737

# Realizing SASE Architecture is a Journey

**Consolidation through a single vendor**

**Effective security and threat protection**

**Global presence and peering relationships**

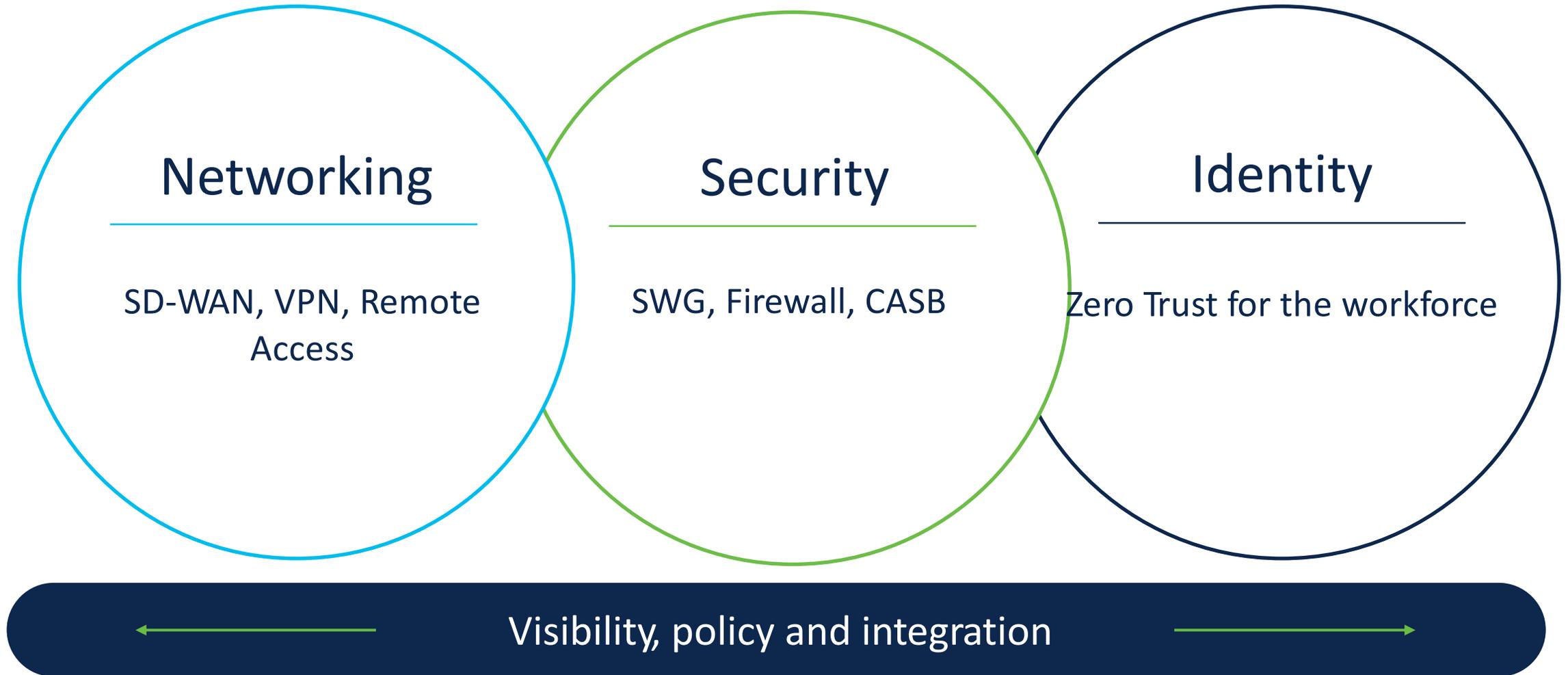


**Support for all devices and agents**

**Microservices based architecture**

**Flexible deployment and management**

# SASE includes more than security





Thank you

