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Infosys® | CyberSecurity

# Accelerate and Simplify SASE with Zero trust adoption

28<sup>th</sup> April 2022





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# Meet the Speakers



**Shambhulingayya  
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AVP - Senior Principal  
Technology Architect,  
Infosys



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Global Field CTO for  
Prisma Access, Palo Alto  
Networks

# SASE PoV by Palo Alto Networks



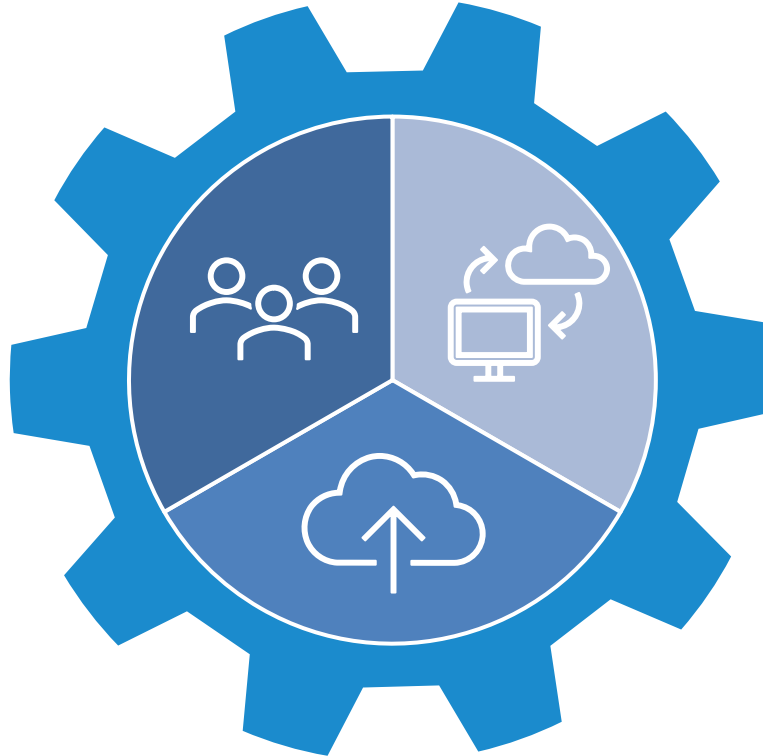
# What Are You Trying to Solve?

## Secure the user anywhere they work

Protect users from threats with the full security stack, anywhere they work

## Secure private apps and data

Prevent unauthorized access and protect apps from both employees and 3<sup>rd</sup> party users



## Secure SaaS apps and data

Advanced SaaS security for compliance and data protection

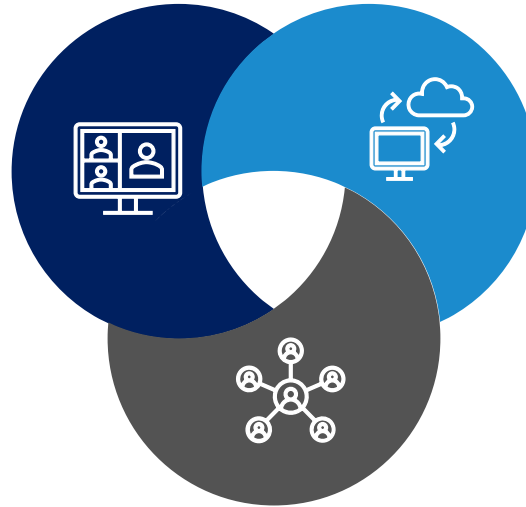
# What is SASE

**Secure Access Service Edge** or SASE is an emerging cybersecurity concept that Gartner first described in the August 2019 report **The Future of Network Security in the Cloud** and expanded upon in their [2021 Strategic Roadmap for SASE Convergence](#)

# Business Outcomes are Driving SASE

## Hybrid Workforce

Consistent access control,  
security policy and user  
experience anywhere users  
work



## Cloud and Digital

Transition apps to cloud and  
SaaS while optimizing the path  
and eliminating backhaul

## Simplify and Modernize

Rationalize and consolidate user access  
solutions to improve consistency and reduce  
management

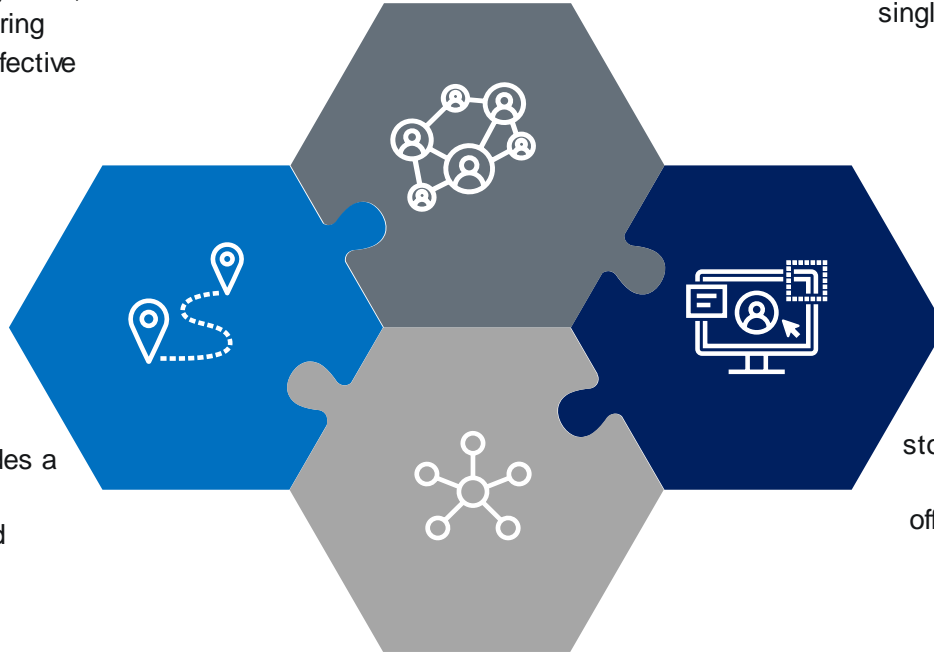


# Why a Unified Approach to SASE Matters



Simply SASE securely connects users anywhere they work, to any resource - requiring consistency to be effective

Consistency can only be accomplished through a single set of access and security controls



Unified SASE provides a single security data plane and integrated user experience management

Consistency doesn't stop at security; it must include on and off-net user experience





# An Effective SASE is Comprehensive



Secure the User  
Anywhere they Work



Secure SaaS Apps  
and Data



Secure Private Apps  
and Data

SASE Core  
Components

SWG / SIG

CASB

ZTNA

Secure Branch

FWaaS

# Market drivers and Key SASE use cases



# Industry view on Secure Access Service Edge (SASE)

## Key imperative to move from tradition networks to SASE

The enterprise perimeter is no longer a location

Reduce network complexity and costs

Enable new digital business scenarios

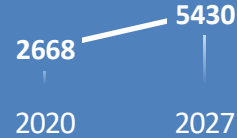
Low operational overhead

Need for trusted access over untrusted networks

Need for improvement in performance and ease of use

Source: MarketWatch study

## SASE MARKET (\$M)



North America is the largest market with **45%** share, followed by APAC and Europe with **15%** share each



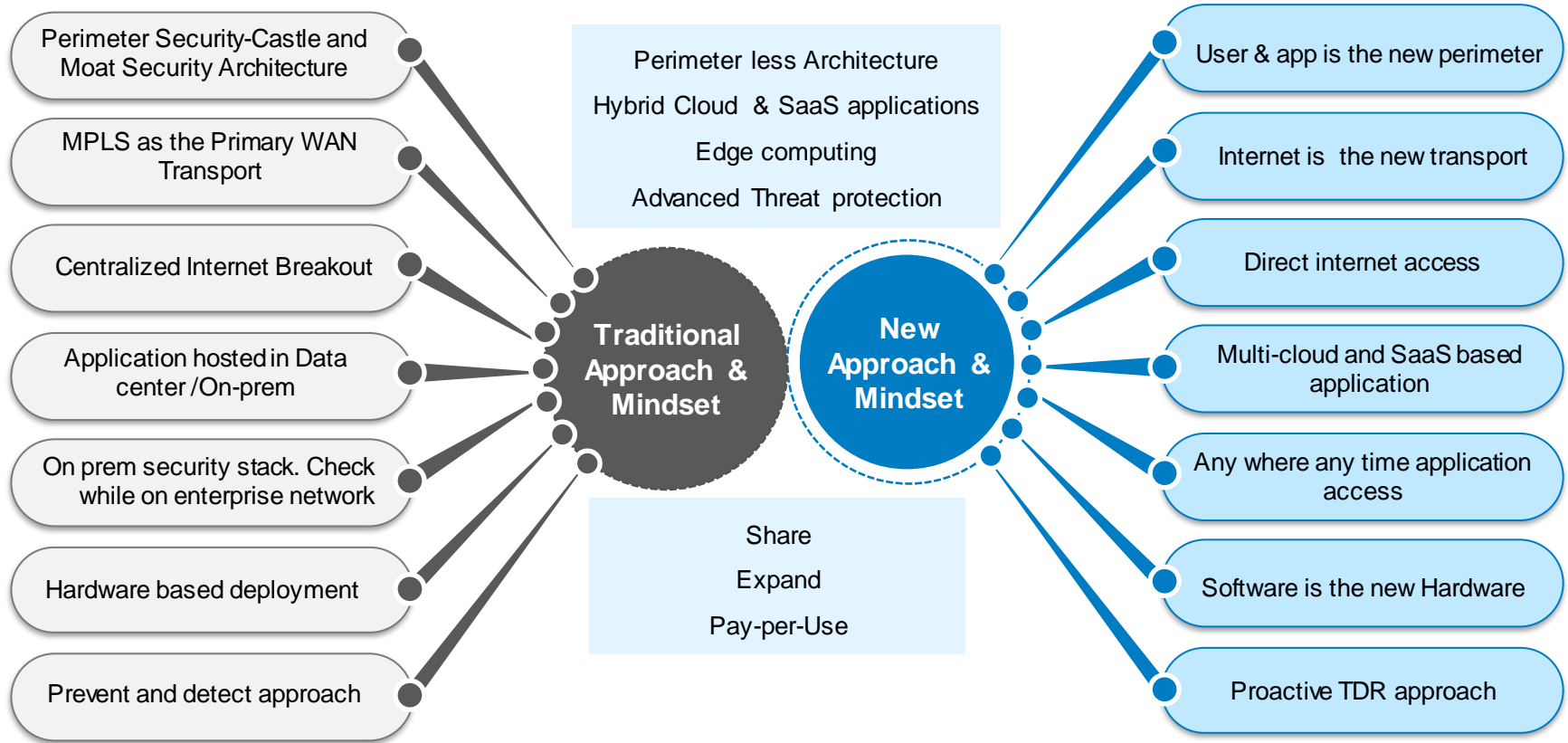
**BFSI** is the largest adopter of SASE

## Gartner

By 2024, at least 40% of enterprises will have explicit strategies to adopt SASE, up from less than 1% at year-end 2018

*Converge networking and security*

# New thinking and approach to secure the borderless enterprise



# Key enterprise use cases delivered by SASE Solution




Secured Web Gateway



Secured App /  
VPN Access



Advanced  
Cloud Firewall



Secured Cloud  
Access



Zero Trust  
Network Access  
(ZTNA)

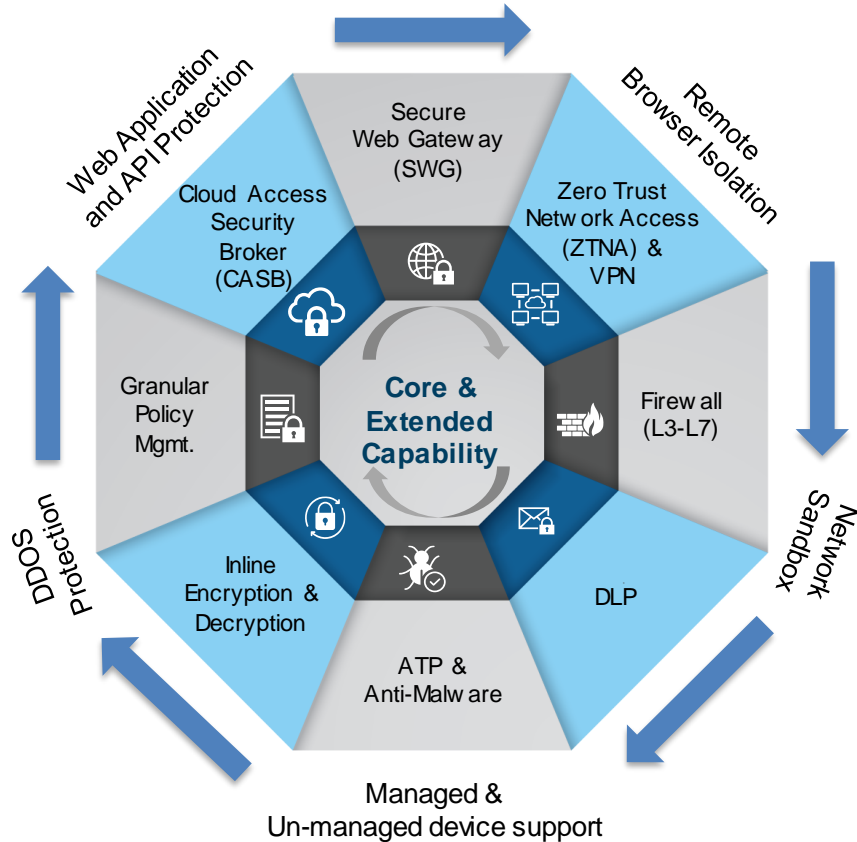


Data Security

# Infosys – Palo Alto Networks SASE Offerings



# Infosys SASE Solution - Comprehensive capabilities delivered with cloud first approach



## Secure Web Gateway

URL filtering | Enforce policy control | Application control | Remote browser isolation

## Cloud Access Security Broker (CASB)

Protect sensitive data | Threat protection | Greater visibility

## Zero Trust Network Access

Identity based | Micro segmentation | Posture validation

## Firewall

Deep-packet inspection | Intrusion prevention | App level

## DLP

Pattern and keyword matching | Integrate with SIEM | Cloud based

## ATP & Anti-Malware

Real time visibility | Context aware | Data awareness

## Encryption & Decryption

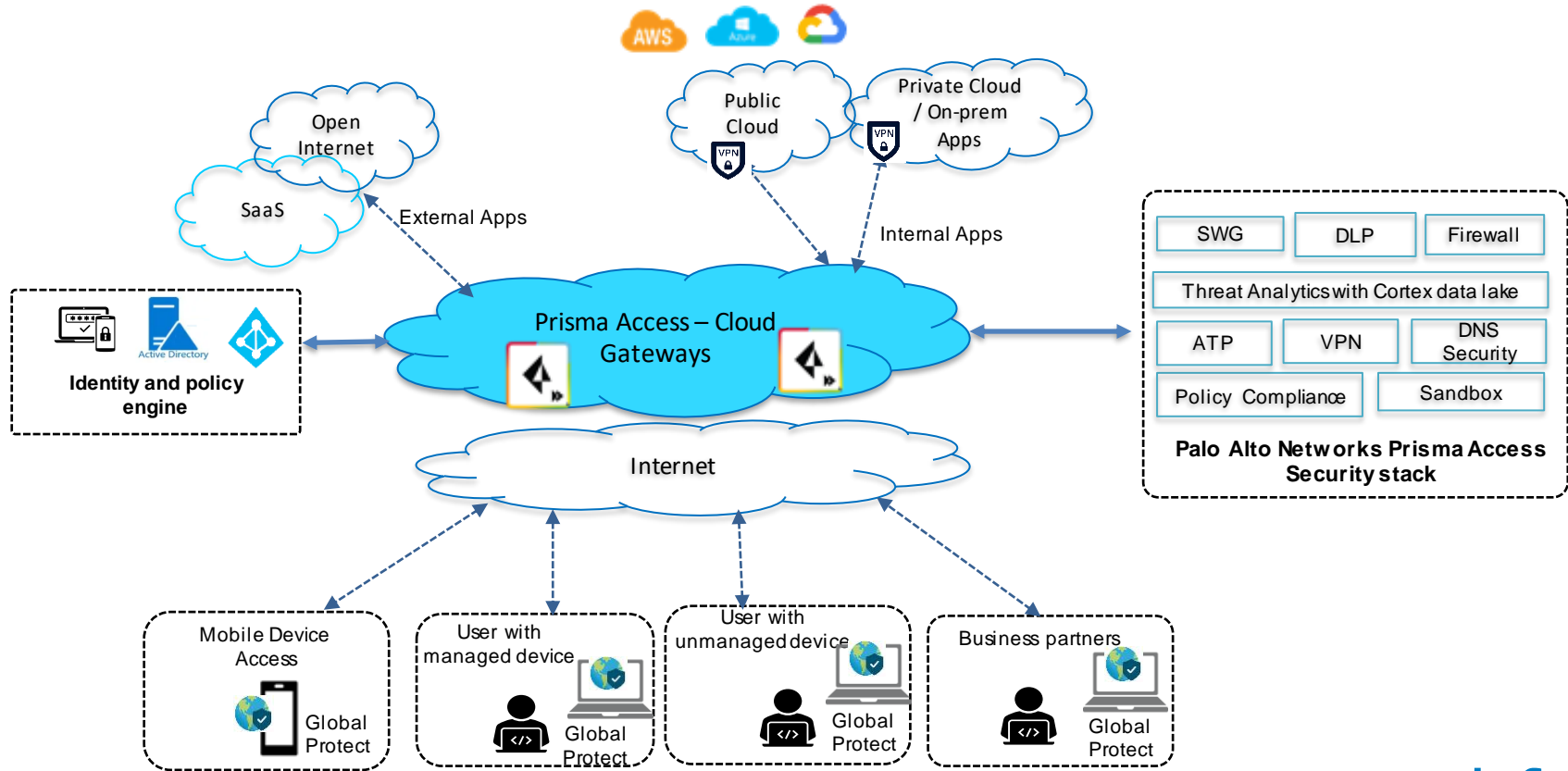
Secure data in motion | Transparent | User experience

## Granular Policy Management

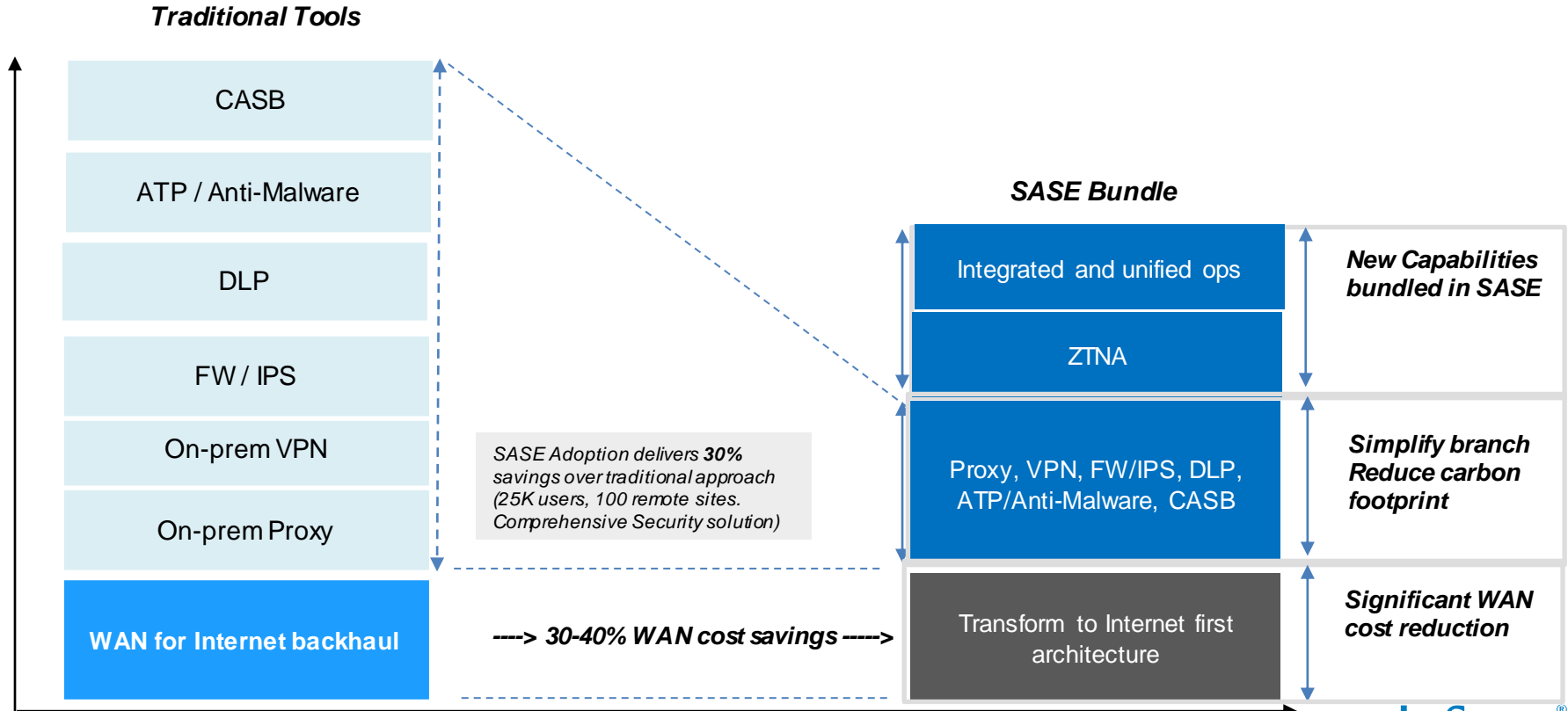
Location or device specific access control policies | Cloud based



# SASE Reference architecture to enable trusted & secure access for any device from anywhere



# SASE Benefits – Rich features, enhanced experience, elevated security delivered at low cost



# Infosys offers comprehensive services to realize the SASE vision, objectives and benefits

## DIAGNOSE



1. **Assess** current security controls and user profiles
2. Review current Proxy, VPN and Network security topology
3. Assess gaps and issues with reference to Zero Trust Network Access
4. Define requirements and use cases for Palo Alto Networks Global Protect, ZTNA, Secure Web Gateway and FWAAS
5. Develop high level Palo Alto Networks SASE architecture, topology and business case

## DESIGN



1. Palo Alto Networks SASE solution and security controls design (HLD)
2. Design business and user access scenarios for Palo Alto Networks SASE
3. List applicable Security policies and standards for enforcement through Palo Alto Networks SASE
4. High level plan for Palo Alto Networks SASE implementation, user adoption and operations readiness

## DELIVER



1. Transform, automate and orchestrate across infrastructure, data & apps from on-premises to the cloud.
2. Detailed SWG, Global Protect & XDR technical design and acceptance test plan
3. SASE foundation build and test for capabilities with sample users and sites
4. Integration with 3<sup>rd</sup> Party Policy management tools, MFA, IDP and on-prem Network gateway
5. Policy configuration for SWG Global Protect, Palo Alto XDR, DNS Security, Traffic management etc.

## DEFEND



1. Palo Alto Networks Service availability and performance monitoring
2. Service assurance, governance and continuous improvement
  - Generate & present reports, KPIs
  - Monitoring of web and internet traffic Security logs/ Events
  - Detect Incident – Confirm and Prioritize Risk
  - Logging incidents
  - Response – Remediate / Policy /Rule changes

# Infosys Capabilities and Credentials



# Infosys - Palo Alto Networks Credentials

Joint Solutions	Capabilities and Credentials	Pricing model
<p>Network Protection</p> <p>SASE</p> <p>Workload / Workplace Security (EDR)</p> <p>Cloud Security</p>	<p><b>150</b> Certified Network Security Administrator &amp; Engineer (PCNSA/PCNSE)</p> <p><b>75</b> Solution Architects and specialist certified (PSE Certified)</p> <p><b>100</b> PSE Associates</p> <p><b>CPSP</b> Partner</p>	<p>As-a-Service</p> <p>Fixed price – Outcome based</p> <p>Software + Services</p> <p>T&amp;M</p>

## Success Stories

**For a global investment company**

Transformed traditional VPN to cloud based service to provide seamless secure remote access to applications | Plan, design, implement and support across multiple geographies (US, UK and Singapore)

**For a global healthcare company**

Traditional VPN method was replaced with the Prisma Access SASE offerings | Architecture and deployment across the enterprise with minimal downtime and less impact for the users

# Journey to SASE – Next Steps





# Getting onboarded with SASE





## Q and A



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# THANK YOU

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