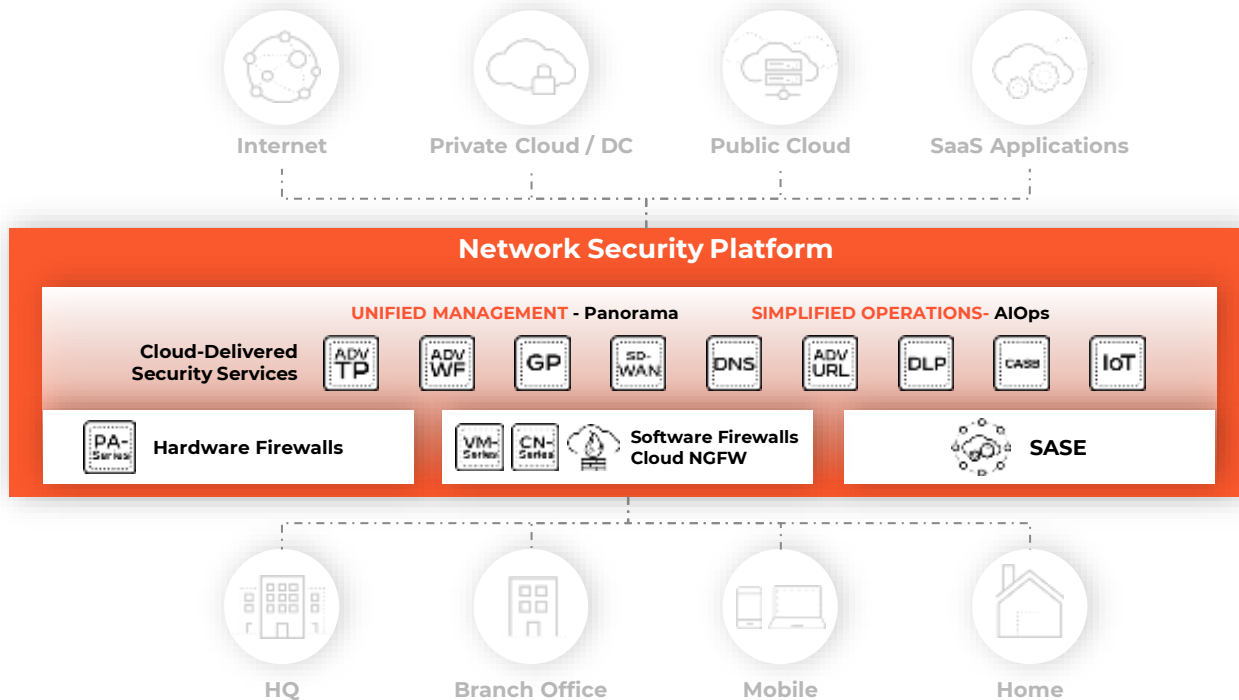PRISMA
BY PALO ALTO NETWORKS

Prisma SASE

Peter Blaško, PCNSE

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NETWORKS

Network Security Platform

Best-In-Class Security Delivered Consistently. Organization Wide.

Internet

Private Cloud / DC

Public Cloud

SaaS Applications

Network Security Platform

UNIFIED MANAGEMENT - Panorama   **SIMPLIFIED OPERATIONS** - AIOps

Cloud-Delivered Security Services

| ADV TP | ADV WF | GP | SD-WAN | DNS | ADV URL | DLP | CASB | IoT |

| PA-Series | Hardware Firewalls |

| VM-Series | CN-Series | Software Firewalls Cloud NGFW |

SASE

HQ

Branch Office

Mobile

Home

Best-in-class security for all users and applications

Integrated security services across hardware, software and SASE

Optimized end-user experience at all locations

Simplified security operations

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SASE

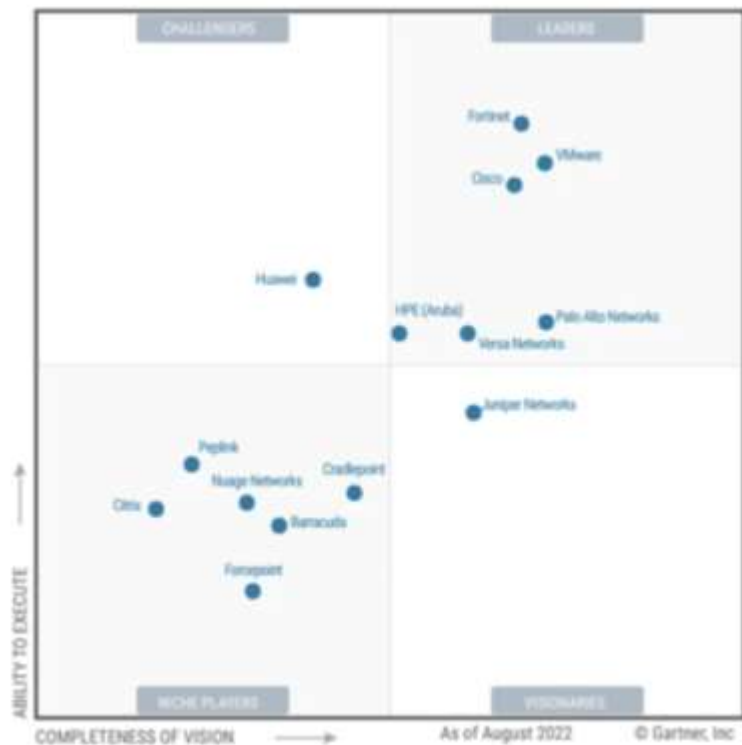- SASE - Secure access service edge, or SASE (pronounced "sassy")

Gartner first described in the August 2019 report The Future of Network Security

SASE identifikuje užívateľov a zariadenia, aplikuje bezpečnosť založenú na politike a poskytuje bezpečný prístup k príslušnej aplikácii a údajom. Tento prístup umožňuje uplatňovať zabezpečený prístup **bez ohľadu na to, kde sa** ich používatelia, aplikácie alebo zariadenia **nachádzajú.**
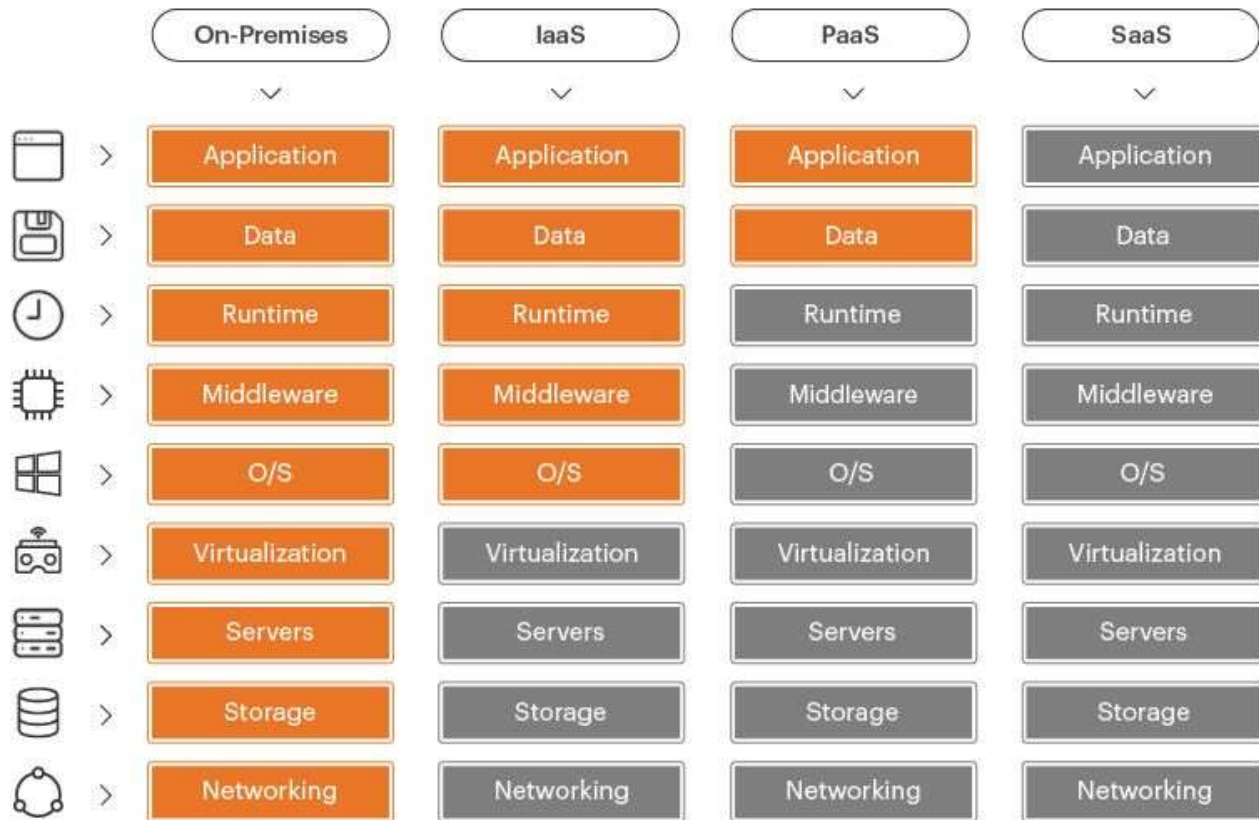
SASE obsahuje:
- Access/SES - secures access to the web, cloud services and private applications regardless of the location of the user or the device
- SD WAN - products replace traditional branch routers. They provide dynamic path selection
- ADEM - Endpoint monitoring, Synthetic monitoring, Real user traffic monitoring
- ZTNA - connect Prisma Access to your organization's private apps simply and securely.
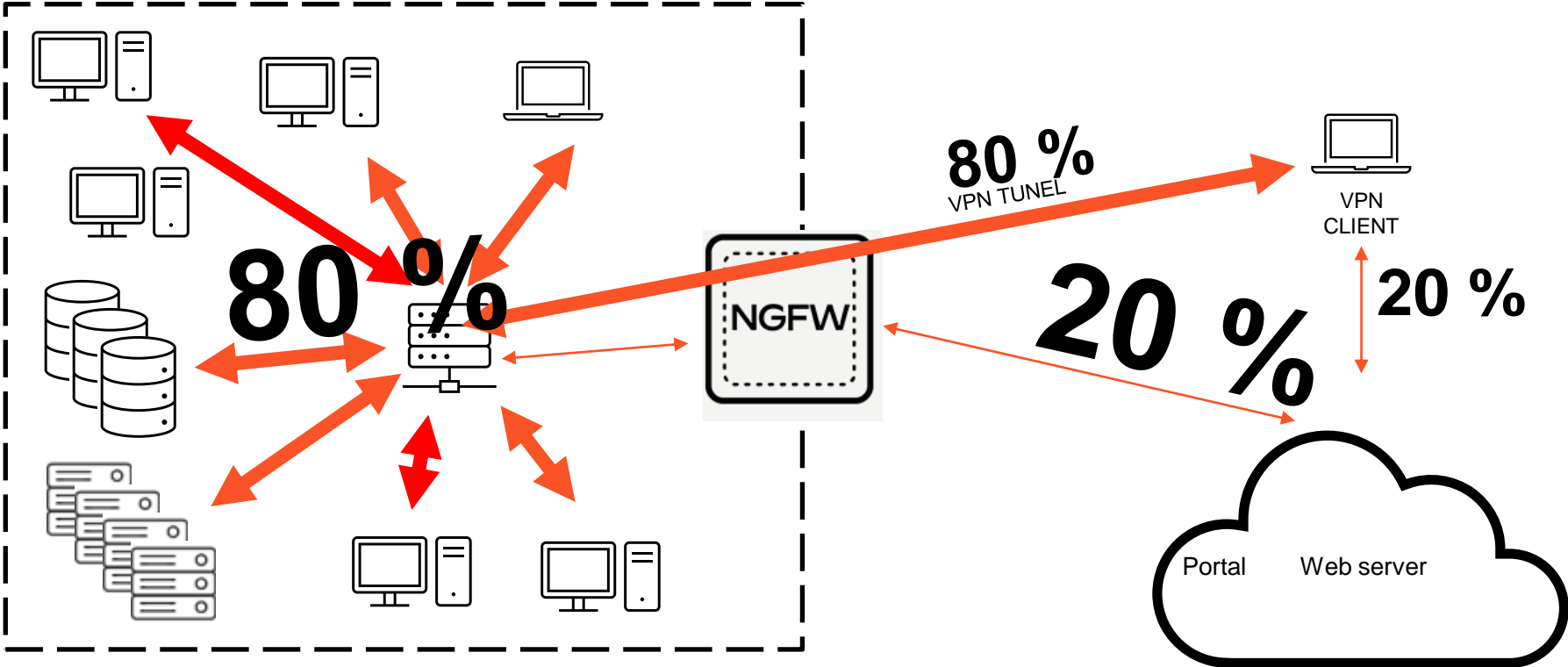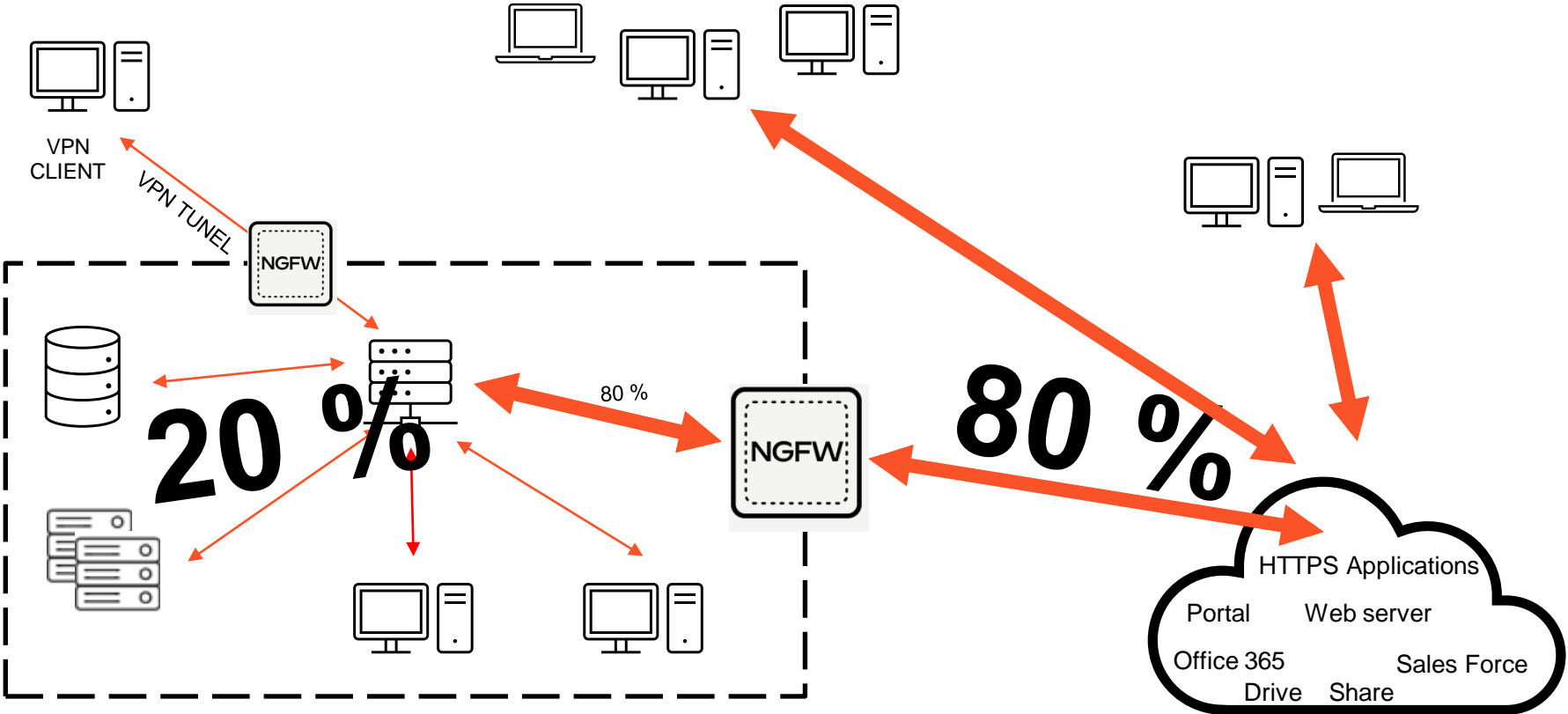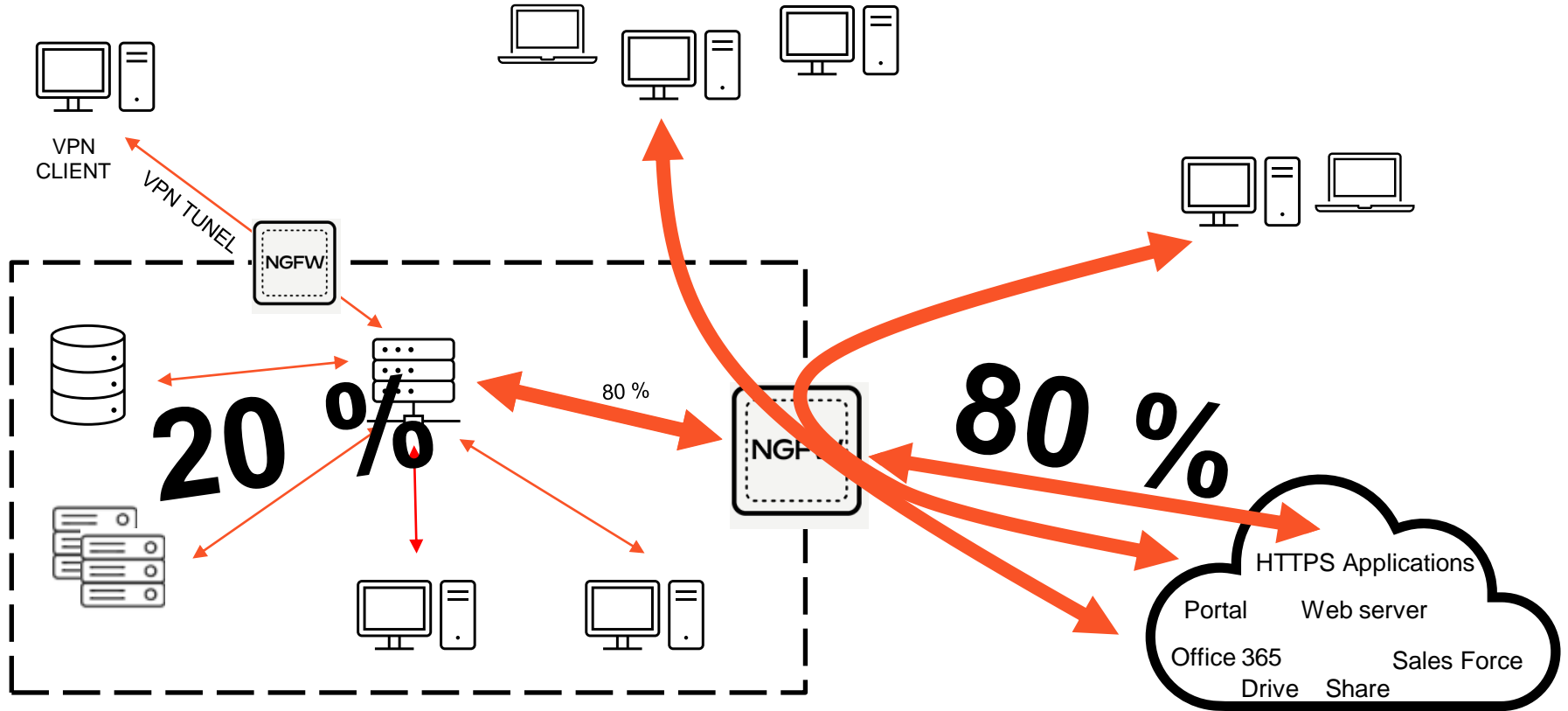
SD WAN

SSE

	On-Premises	IaaS	PaaS	SaaS
Application	Application	Application	Application	Application
Data	Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware	Middleware
O/S	O/S	O/S	O/S	O/S
Virtualization	Virtualization	Virtualization	Virtualization	Virtualization
Servers	Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage	Storage
Networking	Networking	Networking	Networking	Networking

● You manage   ● Service provider manages

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Network Consume data in history

80 %
VPN TUNEL

80 %

20 %

20 %

NGFW

VPN
CLIENT

Portal   Web server

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Network Consume data NOW

VPN CLIENT

VPN TUNEL

NGFW

20 %

80 %

NGFW

80 %

HTTPS Applications

Portal   Web server

Office 365   Sales Force

Drive   Share

paloalto

Network Consume data NOW

VPN CLIENT

VPN TUNEL

NGFW

20 %

80 %

NGFW

80 %

HTTPS Applications

Portal   Web server

Office 365   Sales Force

Drive   Share

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Network Consume data with Prisma SASE
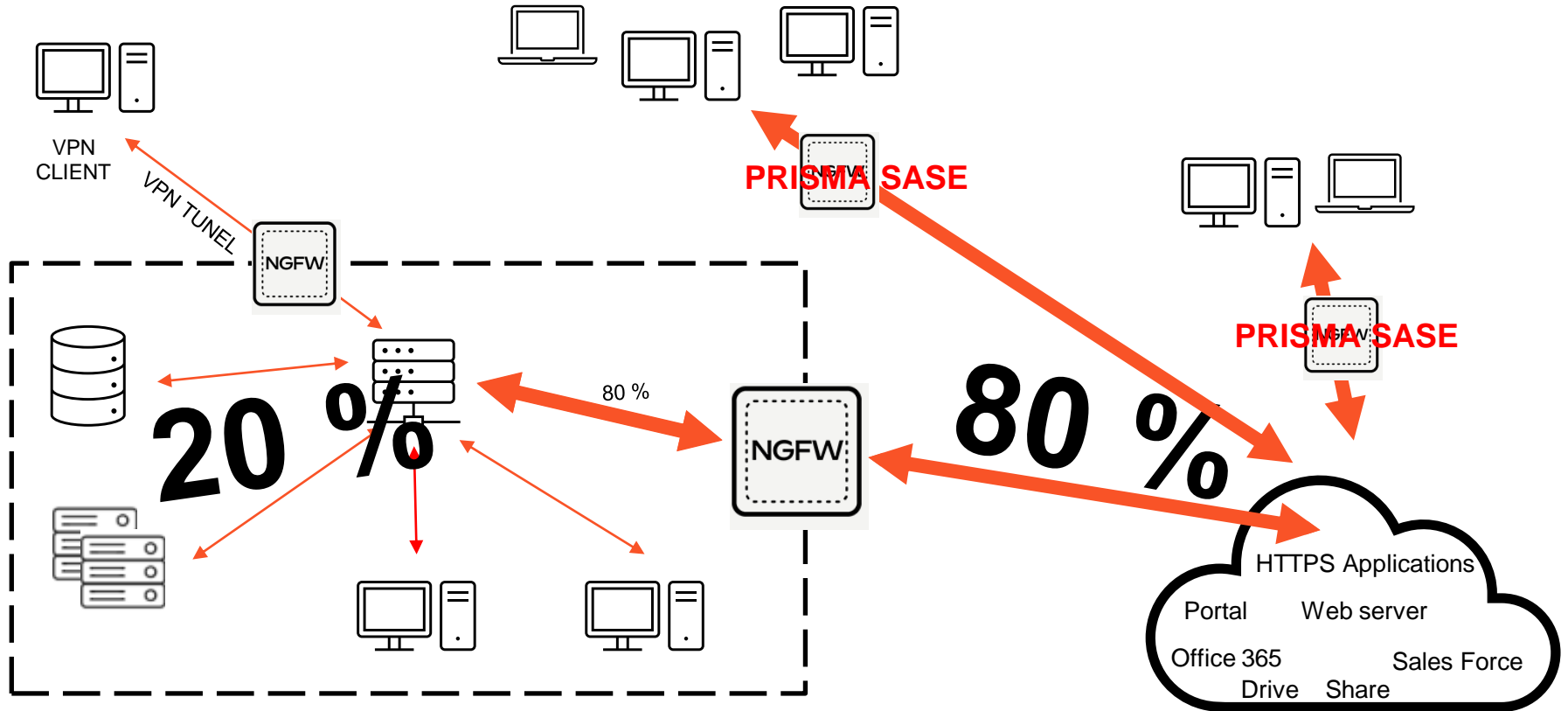
VPN CLIENT

VPN TUNEL

NGFW

PRISMA SASE

PRISMA SASE

NGFW

20 %

80 %

80 %

NGFW

HTTPS Applications

Portal   Web server

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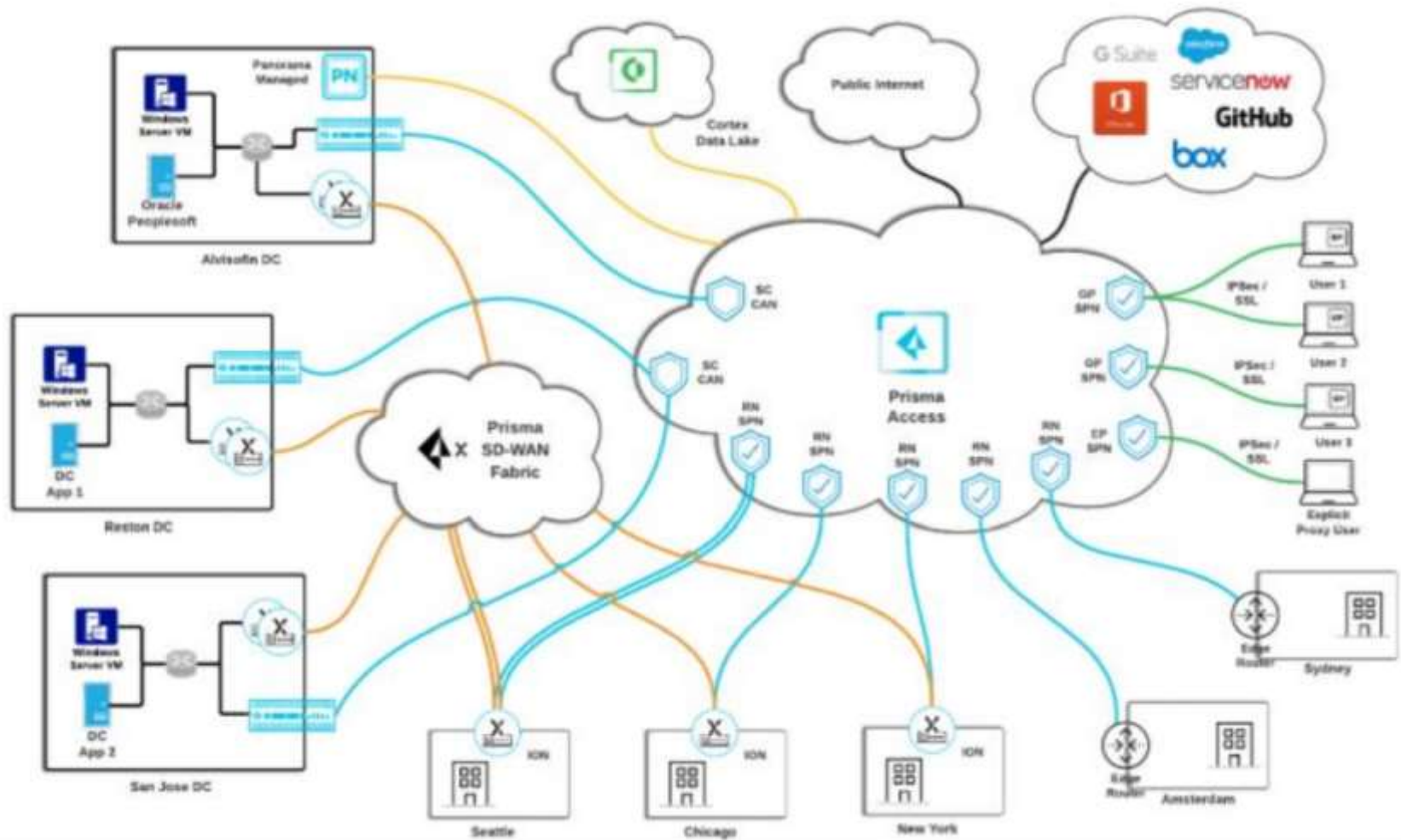
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SECURING TRAFFIC TO THE INTERNET
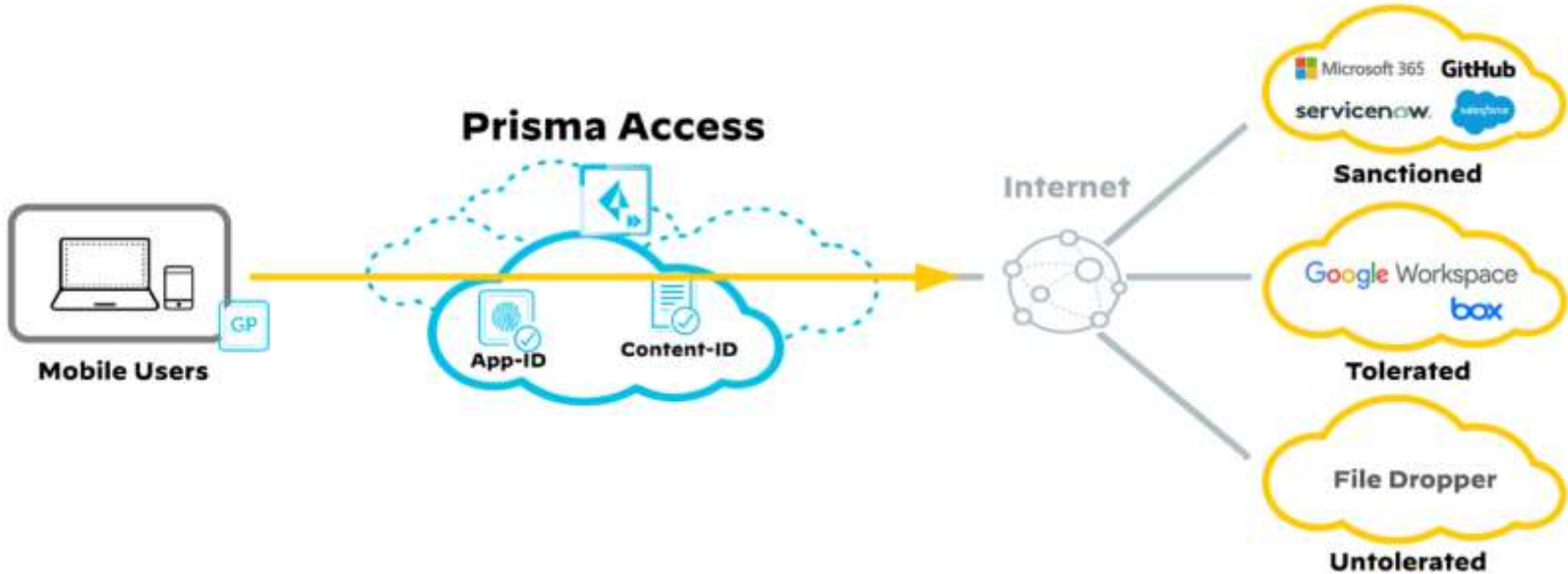
PRISMA ACCESS FOR USERS - USER-ID REDISTRIBUTION
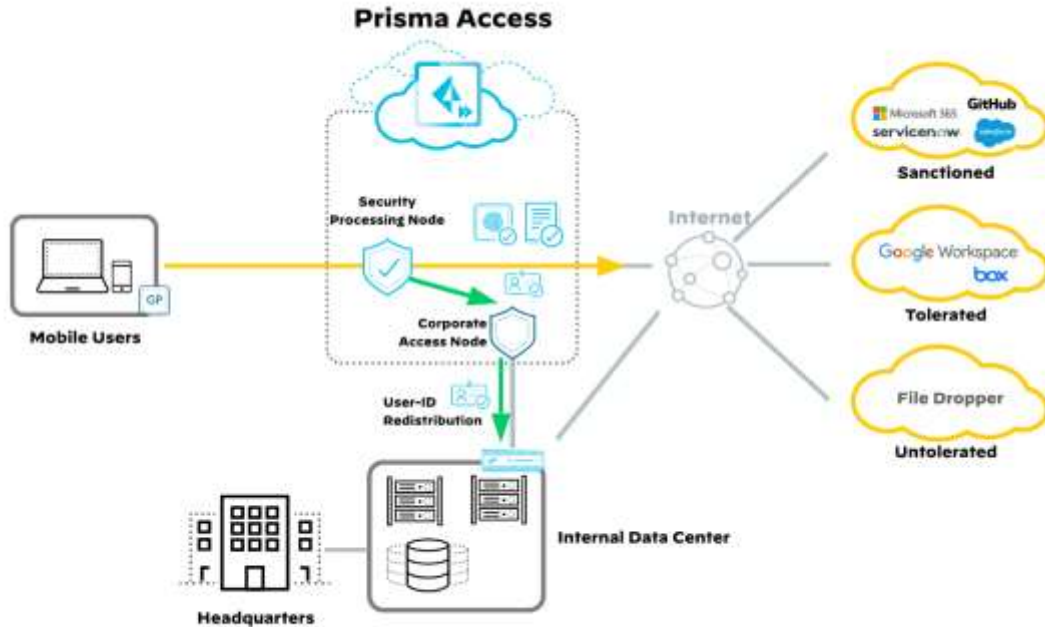
Redistribution is required when next-generation firewall policy at locations outside of Prisma Access, such as data center edge, use User-ID.

The next-generation firewall at the edge of the data center might use user or group information to define policies that control access to data and applications.

High-fidelity sources of User-ID, such as Prisma Access, are essential when using a Zero Trust policy because the IP-to-user mappings need to be in place before any inbound traffic from the user reaches the firewall
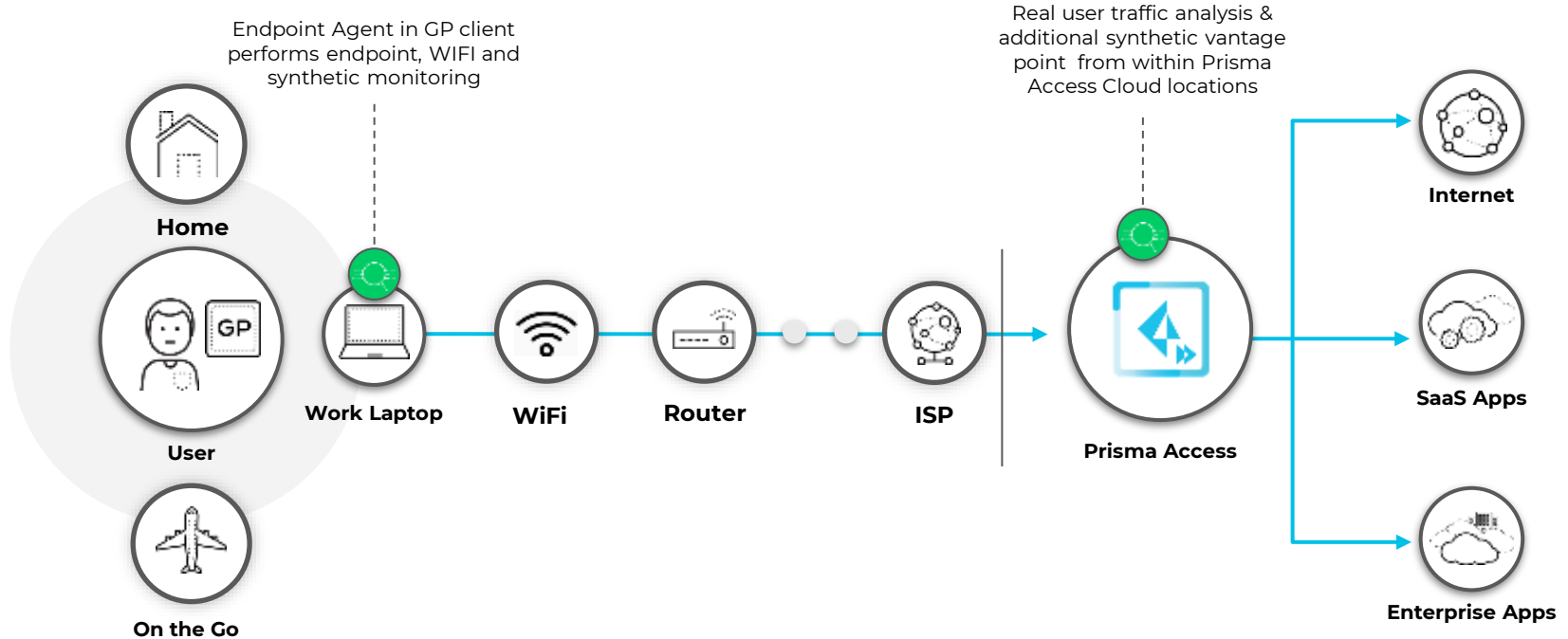
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ADEM for Users

Endpoint Agent in GP client performs endpoint, WIFI and synthetic monitoring

Real user traffic analysis & additional synthetic vantage point from within Prisma Access Cloud locations

Home

User

On the Go

Work Laptop

WiFi

Router

ISP

Prisma Access

Internet

SaaS Apps

Enterprise Apps

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What is Digital Experience Monitoring (DEM)?
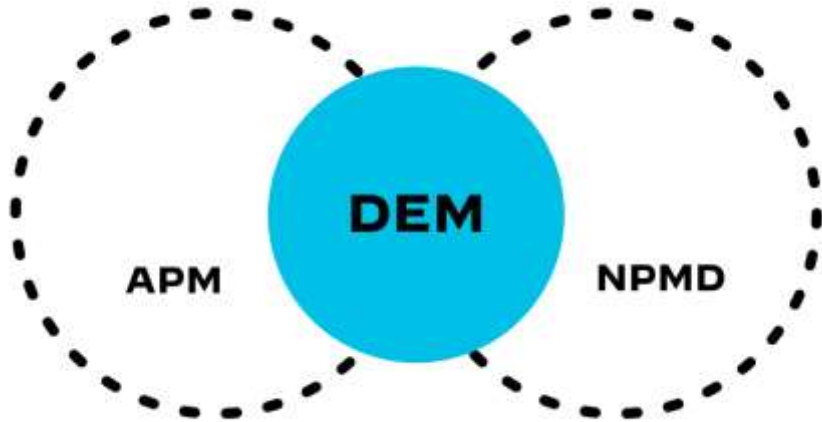
Gartner 2020 Market Guide to Digital Experience Monitoring

Endpoint monitoring

- PC, Mac, etc
- CPU, memory, disk, battery
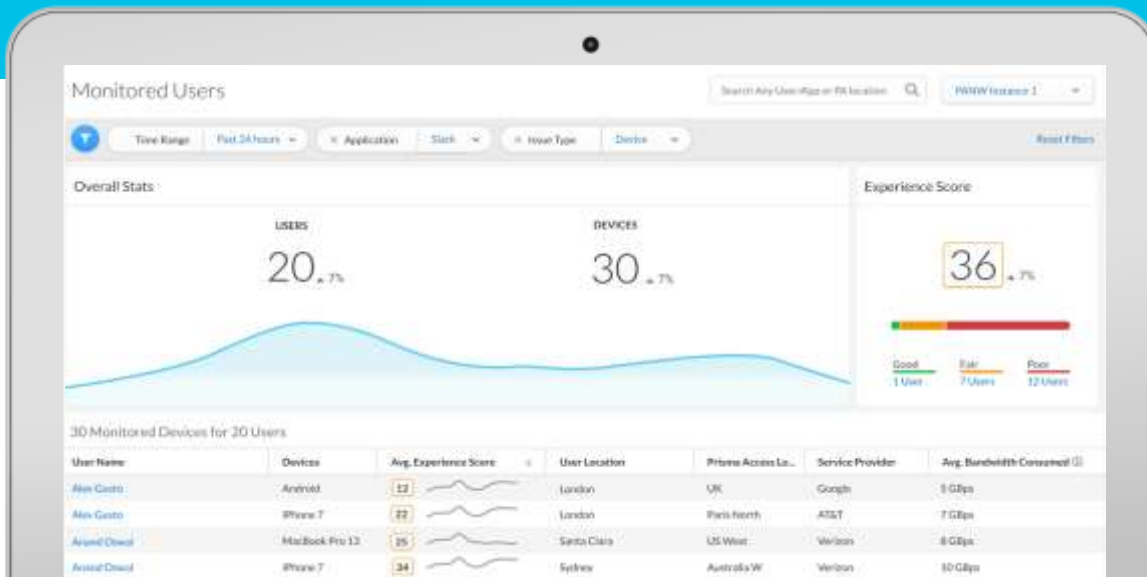- Wifi and local connectivity

Synthetic monitoring

- Regular tests from source to destination
- Establishes performance baseline
- Collects info about assets IT doesn't own

Real user traffic monitoring

- Actual user traffic
- Challenging to collect from everywhere

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See User Experience at Scale

Have a constant read on the pulse of digital user experience.
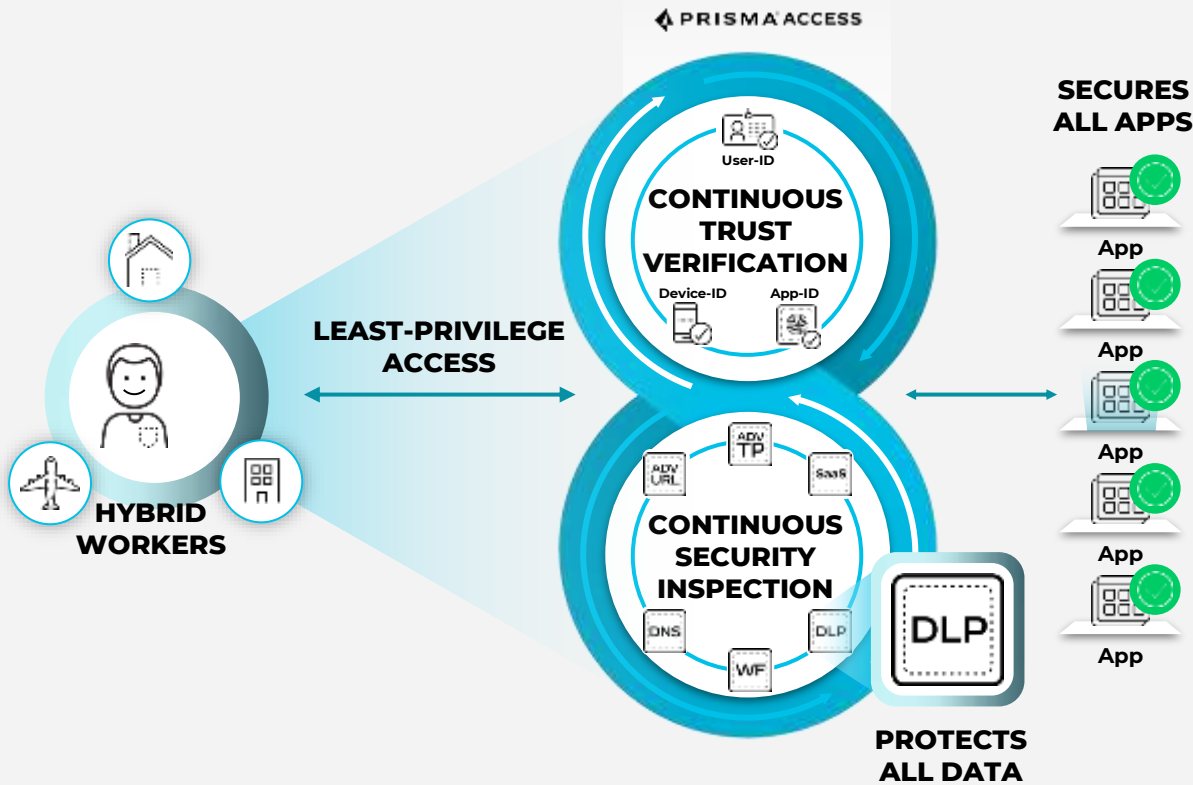
Solve Remote Worker IT Problems Fast

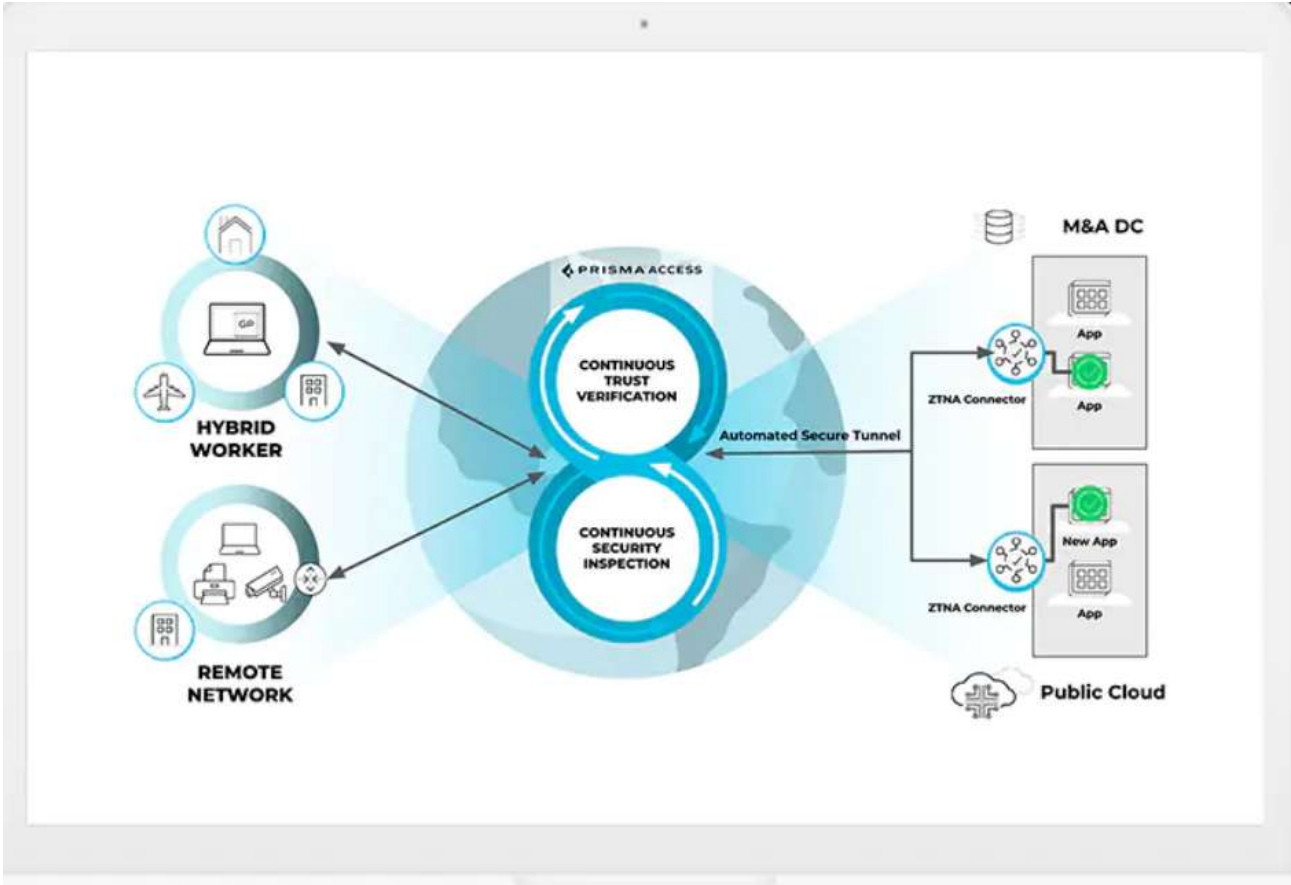Use powerful visualizations to drill down into root cause of performance degradation.

PRISMA ACCESS

HYBRID WORKERS

LEAST-PRIVILEGE ACCESS

User-ID

CONTINUOUS TRUST VERIFICATION

Device-ID   App-ID

ADV TP
ADV URL   SaaS
DNS   DLP
WF

CONTINUOUS SECURITY INSPECTION

DLP

PROTECTS ALL DATA

SECURES ALL APPS

App
App
App
App
App
App

Prisma Access: Delivering on the Vision of ZTNA 2.0

- Least-Privilege Access
- Continuous Trust Verification
- Continuous Security Inspection
- Protect All Data
- Secures All Apps

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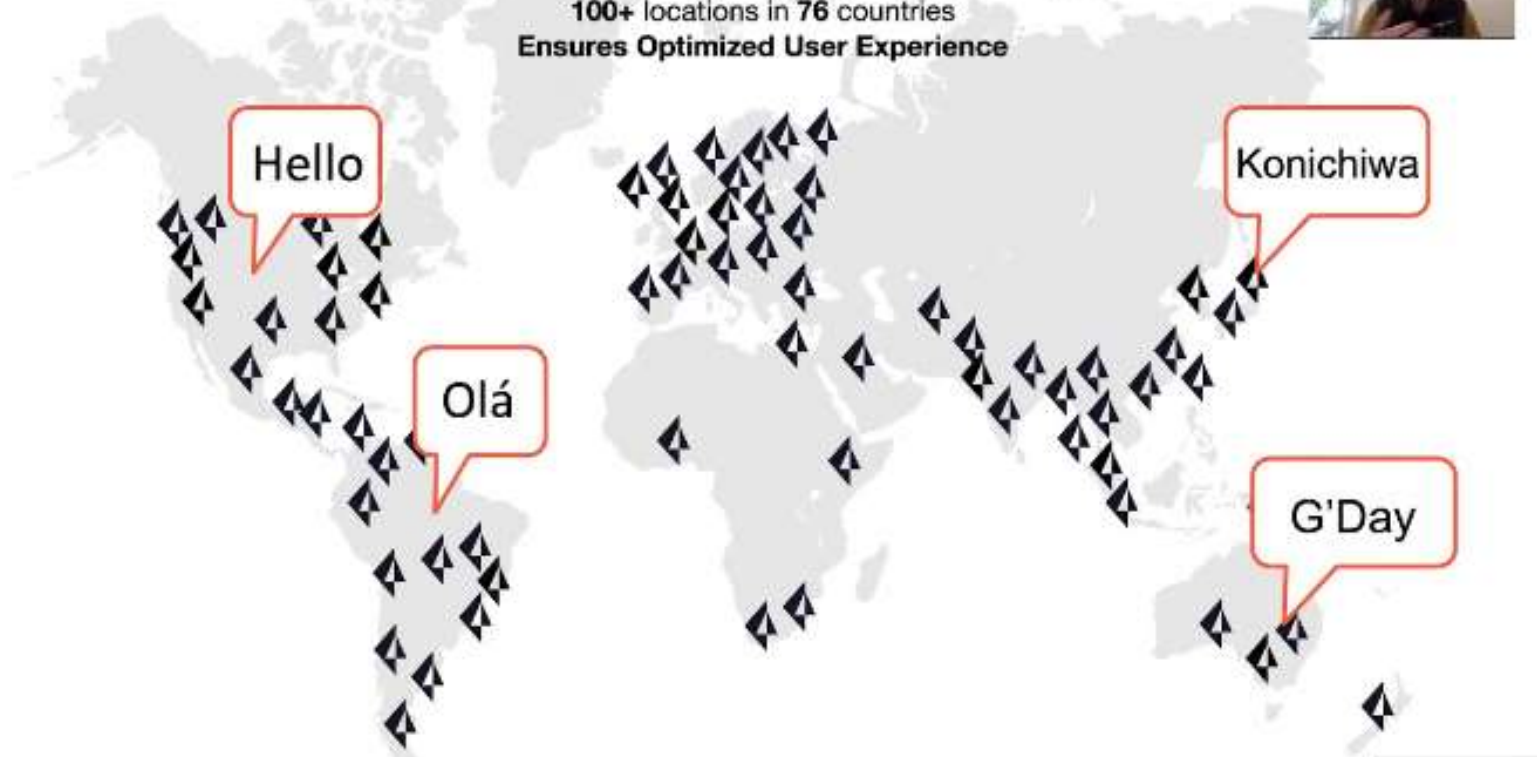
Map of Prisma Access Locations

Market Category	Closest Competitive Offerings	Prisma Access Edition
Secure Remote Access	Zscaler Private Access Pulse Secure Cisco AnyConnect Netskope Private Access	ZTNA
Secure Web Gateway (SWG)	Zscaler Internet Access Cisco Umbrella Netskope SWG.	Business Business Premium
Secure Remote Access + Secure Web Gateway (SWG)	Zscaler Private Access Pulse Secure Cisco AnyConnect Netskope Private Access + Zscaler Internet Access Cisco Umbrella Netskope SWG.	Enterprise

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Opportunity Identification

Companies that ARE a good fit

Large number of dispersed, branch + mobile (hybrid) workers

Critical apps and data being hosted in cloud/SaaS

Large number of security point products

Plans for future growth (employees or locations)

Companies that ARE NOT a good fit

Small number of regional locations and users

Data Center centric with private apps only

Simple architecture with small surface area for attacks

Static companies with a fixed workforce

Licenses credit

Prisma Access Editions			
	Business	**Business Premium**	**Enterprise**
Internet Security / Secure Web Gateway	√	√	√
ZTNA for Private Apps	—	—	√
No. Service Connections for ZTNA Private Apps	—	—	2 w/ Local Edition 5 w/ Worldwide Edition
Advanced Threat Prevention	—	√	√
Advanced URL Filtering	√	√	√
DNS Security	√	√	√
WildFire	—	√	√
Prisma Access Add-ons			
Next-Gen CASB	√	√	√
Enterprise DLP	√	√	√
In-line SaaS Security	√	√	√
IoT Security†	√	√	√
Additional Service Connections for ZTNA Private Apps	√	√	√
Net Interconnect for Site-to-Site and User-to-Site Access	—	—	√
Autonomous Digital Experience Management (ADEM)‡	√	√	√

Note: The Prisma Access Mobile User license supports flexible connectivity options, including GlobalProtect, clientless, and explicit proxy methods.

† Only available for remote networks.

‡ Available for mobile users with GlobalProtect and remote networks with Prisma SD-WAN as an add-on subscription to Prisma Access.

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Prisma Access Customer Success Plans

Guide customers during their entire journey to maximize product usage and adoption.

		STANDARD SUCCESS	PREMIUM SUCCESS
Product Support	Access to Support Portal	●	●
	Telephone Support (24 x 7)		●
	Premium response time		●
Knowledge Transfer	Access to LIVEcommunity	●	●
	Access to KB & online documentation	●	●
	Access to online training videos	●	●
	Access to knowledge sharing sessions		●
Onboarding Oversight*	Customer journey kickoff & alignment		●
	Solution & engagement activation		●
	Onboarding guidance		●
	Onboarding validation throughout phases		●
Customer Success Engagement*	Customized success plan		●
	Best practices guidance		●
	Adoption of security capabilities		●
	Quarterly health check		●
	Executive business reviews		●
Operational Excellence*	Monitoring usage deviations		●
	Periodic operational reviews		●
	Change management and alignment		●

* Available for 2,500 units and above

CUSTOMERS BENEFITS

1 24 x 7 Telephone Support
Around the clock assistance from best cybersecurity experts

2 Continuous Guidance
Access to Customer Success Team for an optimal product outcome.

3 Optimal Security Posture
Follow Best practices to be optimally protected

SALES BENEFITS

1 CSAT
Rely on the CS Team to delight your customers.

2 Growth
Secure your customer growth and renewal rate.

3 Peace of Mind
Your customers on track to success

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