Consolider les services de connectivité et la sécurité pour protéger vos utilisateurs et vos ressources avec la solution Cisco Secure Access.

Bechtle IT Forum | 11.06.2024 | SwissTech Convention Center

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Highly distributed and diverse IT landscape makes secure connectivity hard

78%

IT leaders report that users bypass their current VPN solution

Organizations are not adequately prepared to handle cybersecurity complexity

Source: 2023 Global Networking Trends Report, Cisco

Partner

SASE/SSE approach is the technology foundation

Fundamental to your security strategy for a hyper-distributed world

SASE brings networking & security capabilities into a single-service, cloud-native model to address today's challenges.

65% plan on adopting SSE in next 2 years

SASE

Converged set of cloud networking

SD-WAN

Converged set of cloud security

SSE

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Introducing Cisco Secure Access

Proven cloud-native security converged into one service

Umbrella DNS
>12 years

Umbrella SWG
>5 years

DUO Posture
>4 years

Umbrella CASB
>5 years

RBI
>5 years

ZTNA
>4 years

Secure Client
>3 years

VPN Termination
>10 years

Cloud Firewall
>5 years

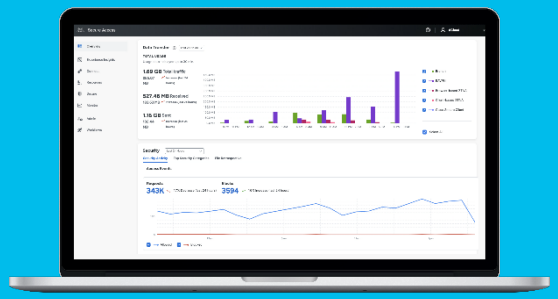
Experience Insights/DEM
(ThousandEyes)
>3 years

Umbrella DLP
>5 years

Umbrella Advanced Malware Protection
>7 years

Protecting 70,000+ customers | More than 220M endpoints

Cisco Secure Access



- Single Console
- Single Client
- Unified Policies

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Go beyond core Security Service Edge (SSE)

Better connect and protect your business

Core SSE

- Secure Web Gateway (SWG)
- Cloud Access Security Broker (CASB) and DLP
- Zero Trust Network Access (ZTNA)
- Firewall as a Service (FWaaS) and IPS

Cisco delivers the core and more in a single subscription…

- DNS Security
- Multimode DLP
- Advanced Malware protection
- Sandbox
- Talos Threat Intelligence
- VPN as a Service
- Digital Experience Monitoring
- Remote Browser Isolation

Add-on solutions

- SD-WAN
- XDR
- Duo MFA/ SSO
- CSPM

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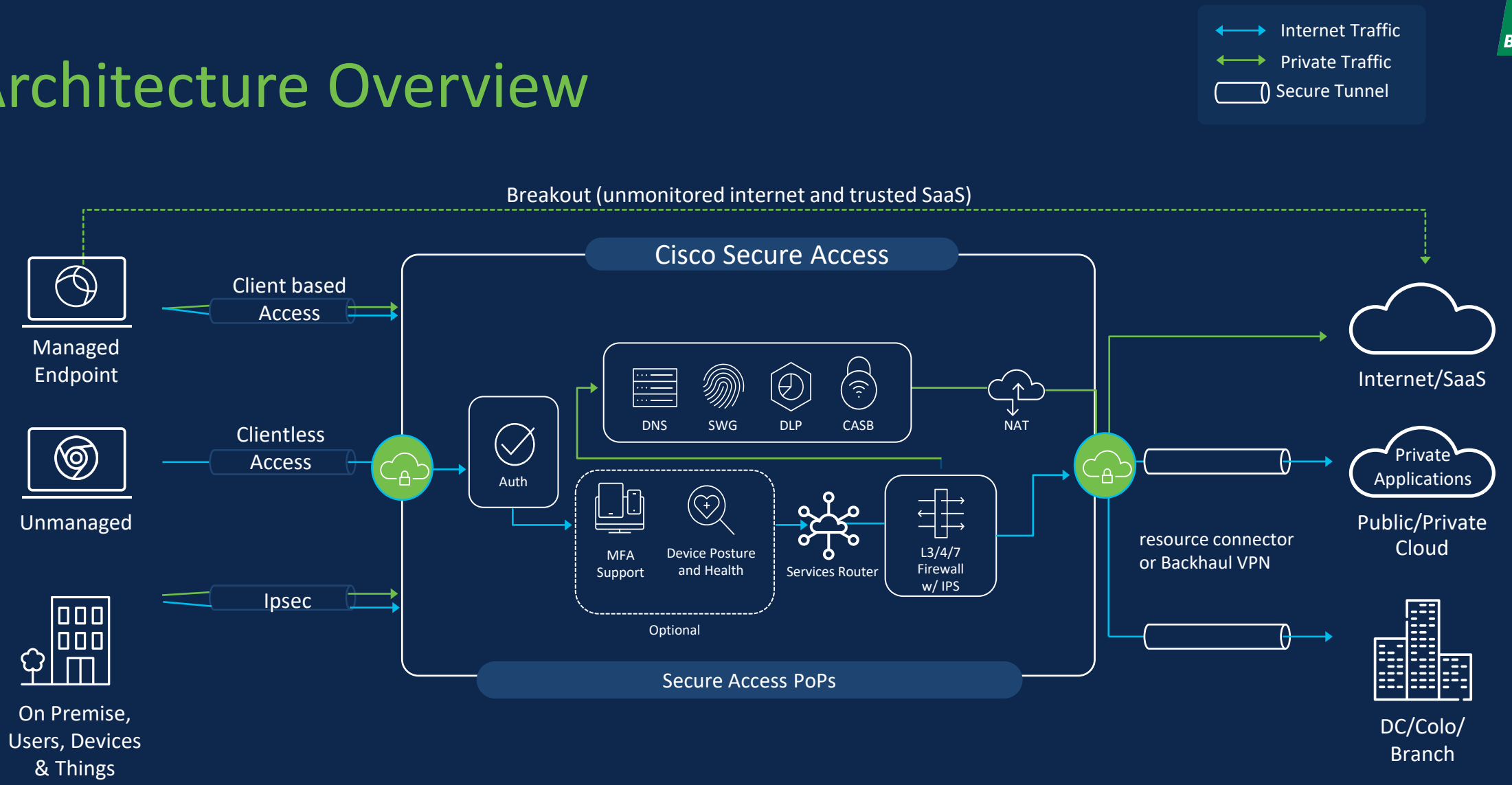
Architecture Overview



Users — How — Apps

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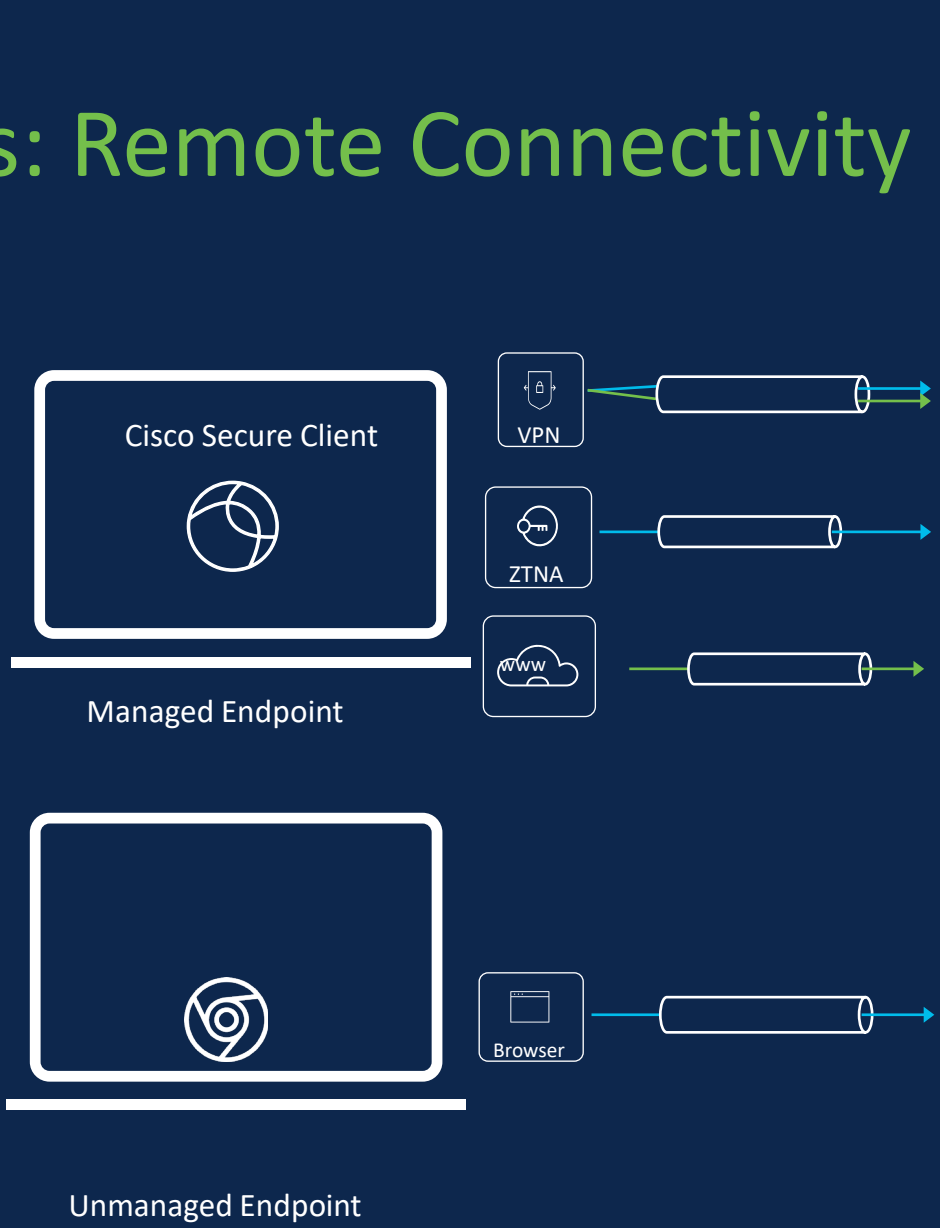
Users: Remote Connectivity



AnyConnect VPN
→ Authentication & Posture @ Connect time
→ DTLS Tunnel
→ Carry **Internet & Private Traffic** (All ports & protocols)
→ SAML, (+) Cert, & (+) Multi-Cert Authentication

ZTNA Module
→ Authentication & Posture per session
→ QUIC tunnel (MASQUE proxy)
→ Carry **Private Traffic** (All ports & protocols)
→ SAML Auth + Auto re-new

Web Roaming Module
→ Device Enrollment (profile)
→ Carry Internet Web Traffic (80/443)

Clientless ZTNA
→ Accessible from any browser that supports SAML/Cookies
→ Request based posture (geolocation, browser version, OS)
→ Web Apps Only

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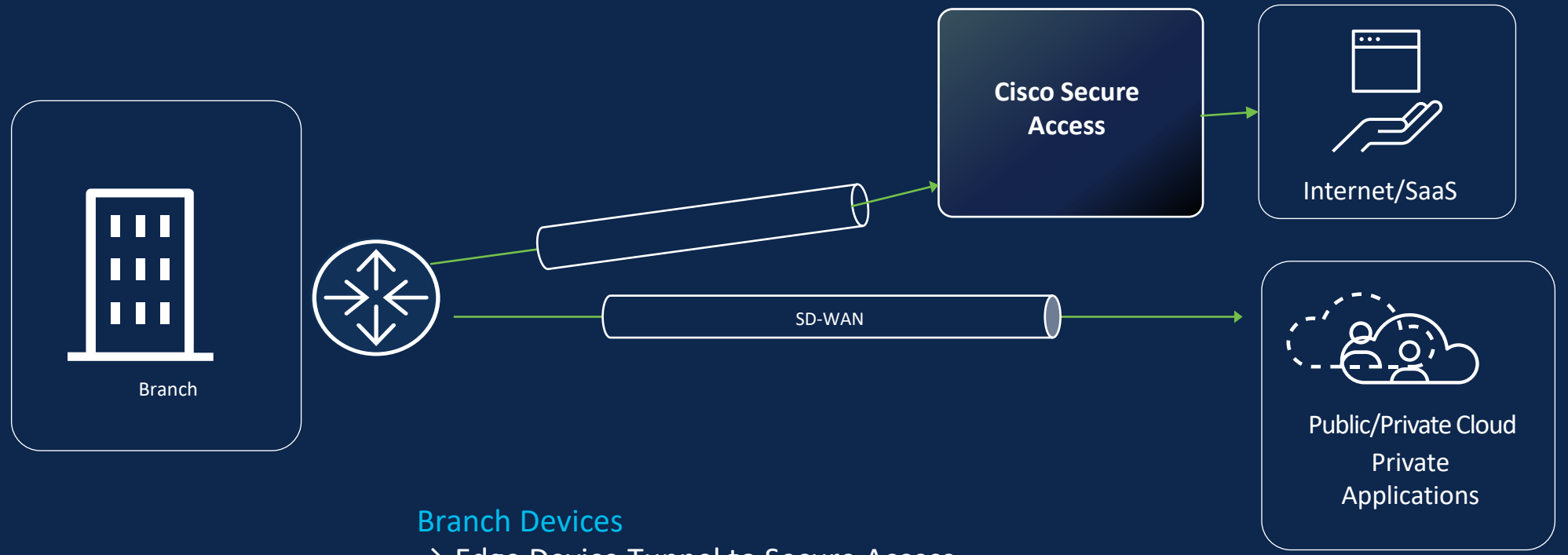
Users: Branch Connectivity



Branch Devices

→ Edge Device Tunnel to Secure Access
→ All internet traffic is routed to Secure Access
→ Auto Tunnels with Catalyst SD-WAN for Secure Internet Access

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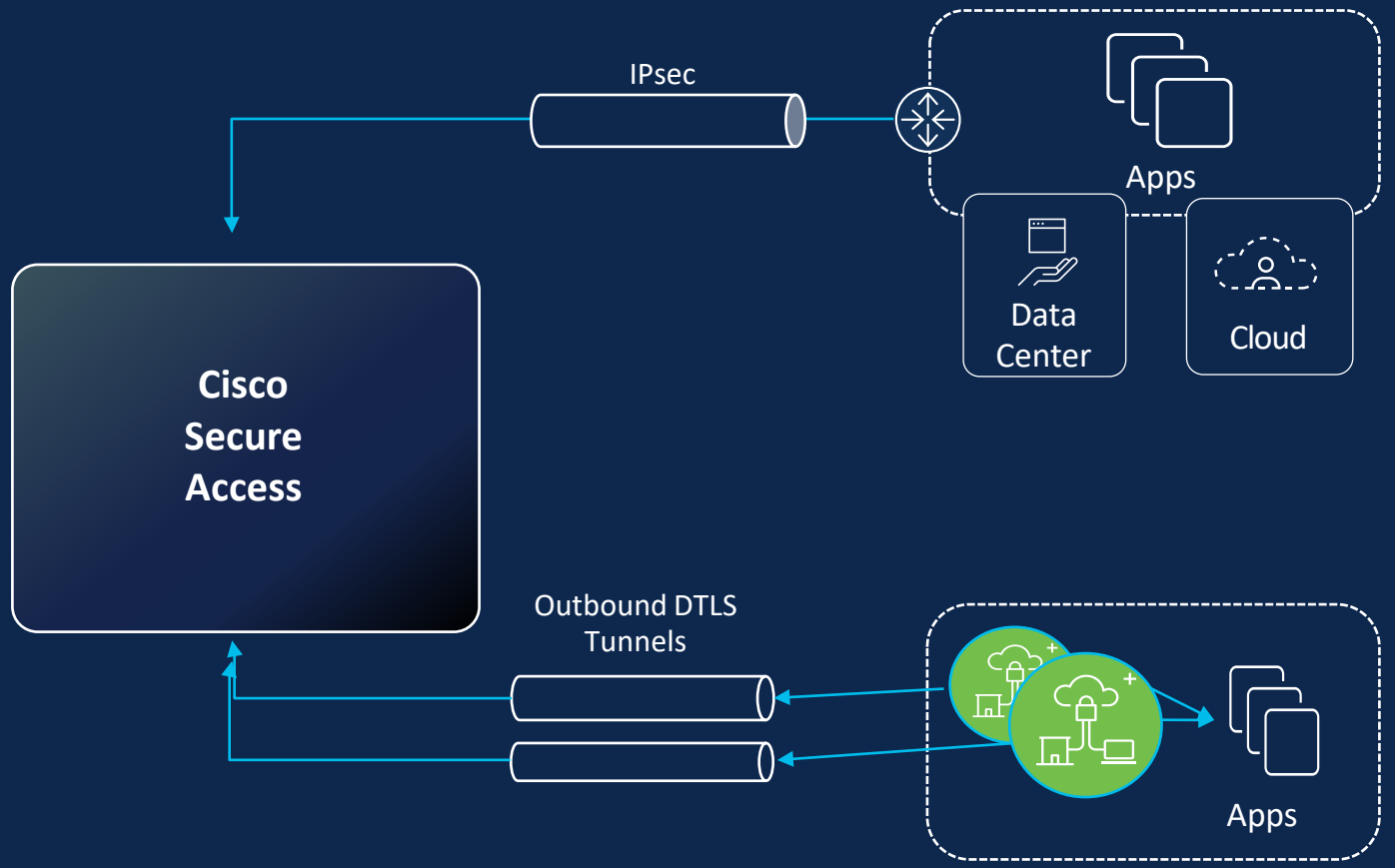
Apps: Private Applications



Network Tunnel

→ IPsec Backhaul
→ Static or BGP based routing
→ Auto Failover/ Redundancy

Resource Connector (RC)

→ Software deployment (VM or Cloud Instance)
→ Deploy closest to application
→ Outbound connectivity (no holes in firewall)
→ Auto failover / load balancing

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Apps: Internet/SaaS Applications

Trusted SaaS/Bypass

→ Bypass inspection for trusted web apps
→ route traffic directly from host to internet

Secure Internet Access

→ All traffic filtered through Secure Access
→ Branch traffic routed via IPsec tunnel
→ Remote user traffic acquired via Secure Client

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Cisco Secure Access Packaging

Category	Features	Essentials	Advantage
Secure Access	Secure Internet Access (SIA) • SDWAN DIA integration • Secure Client (license included) • Roaming Security (DNS, Web and Firewall-as-a-service)	✓	✓

	Secure Private Access (SPA)
	• Secure Client (license included)
	  • ZTNA client
	  • VPN-as-a-service for private apps
	• ZTNA clientless
		✓	✓

Foundational Security	DNS protection	✓	✓
	Firewall-as-a-service for layer 3 & layer 4 controls of web and private apps	✓	✓
	Secure web gateway (proxy web traffic, URL filtering, content filtering, advanced app controls)	✓	✓
	CASB - Cloud app discovery, risk scoring, blocking, cloud malware detection; tenant controls	✓	✓
	Remote Browser Isolation (License for risky traffic only)	✓	✓
	Secure Malware Analytics (sandbox)	Limited	Unlimited
Additional	Experience Insights (Digital Experience Monitoring)	✓	✓
Advanced Security	Layer 7 Firewall-as-a-service		✓
	IPS protection		✓
	Data Loss Prevention (DLP) for web applications		✓
	Remote Browser Isolation (License for all traffic)		✓
Support	Cisco 24x7 SWSS Enhanced support access via email and phone (required SWSS Enhanced attach, optional SWSS Premium upgrade). For details, click here.	+	+

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Why Cisco Secure Access?

Trust and expertise at scale

Proven Expertise

70k

Cloud security customers

Proven Scale

220M

Secure endpoints

Proven Protection

600B

Requests per day

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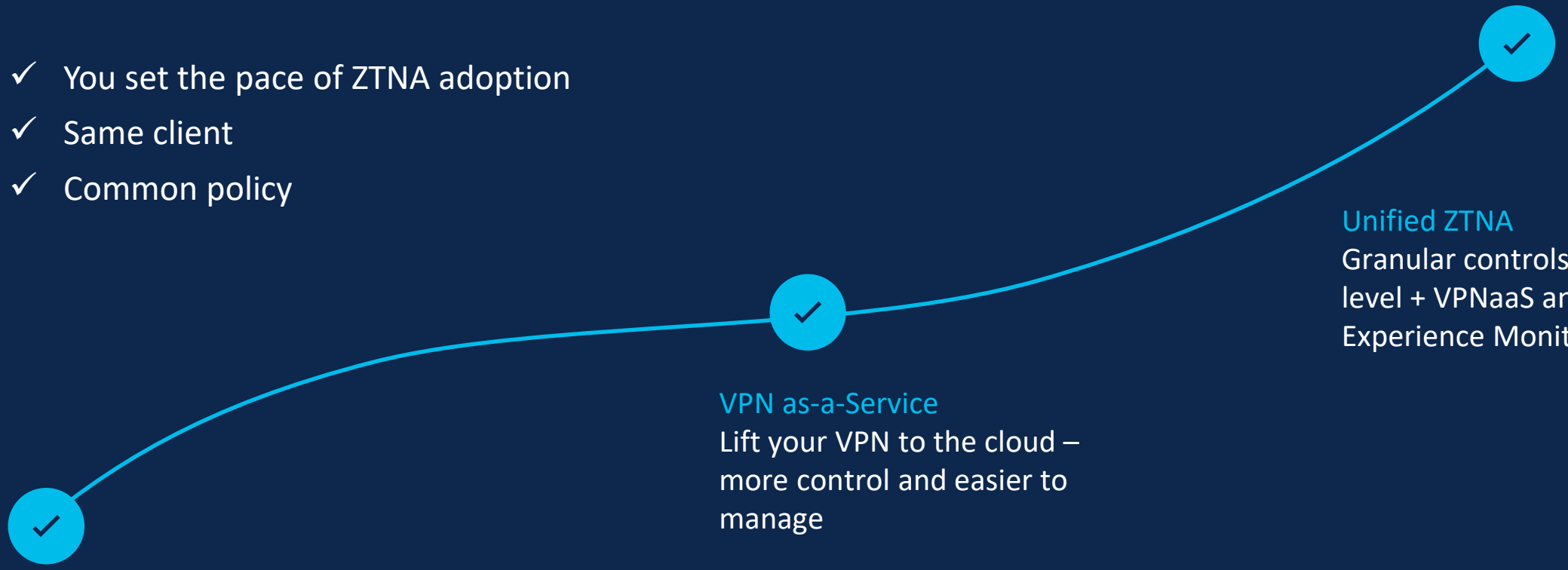
Easy migration to Zero Trust Access

- ✓ You set the pace of ZTNA adoption
- ✓ Same client
- ✓ Common policy



Traditional VPN
Network level access – cannot control at app level

VPN as-a-Service
Lift your VPN to the cloud – more control and easier to manage

Unified ZTNA
Granular controls at the application level + VPNaaS and Digital Experience Monitoring

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Merci!

Des questions? Contactez-nous: it-forum.ch@bechtle.com