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#CiscoLiveAPJC



Cisco Secure Access (SSE)

Hands on Lab

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LTRSEC-3075

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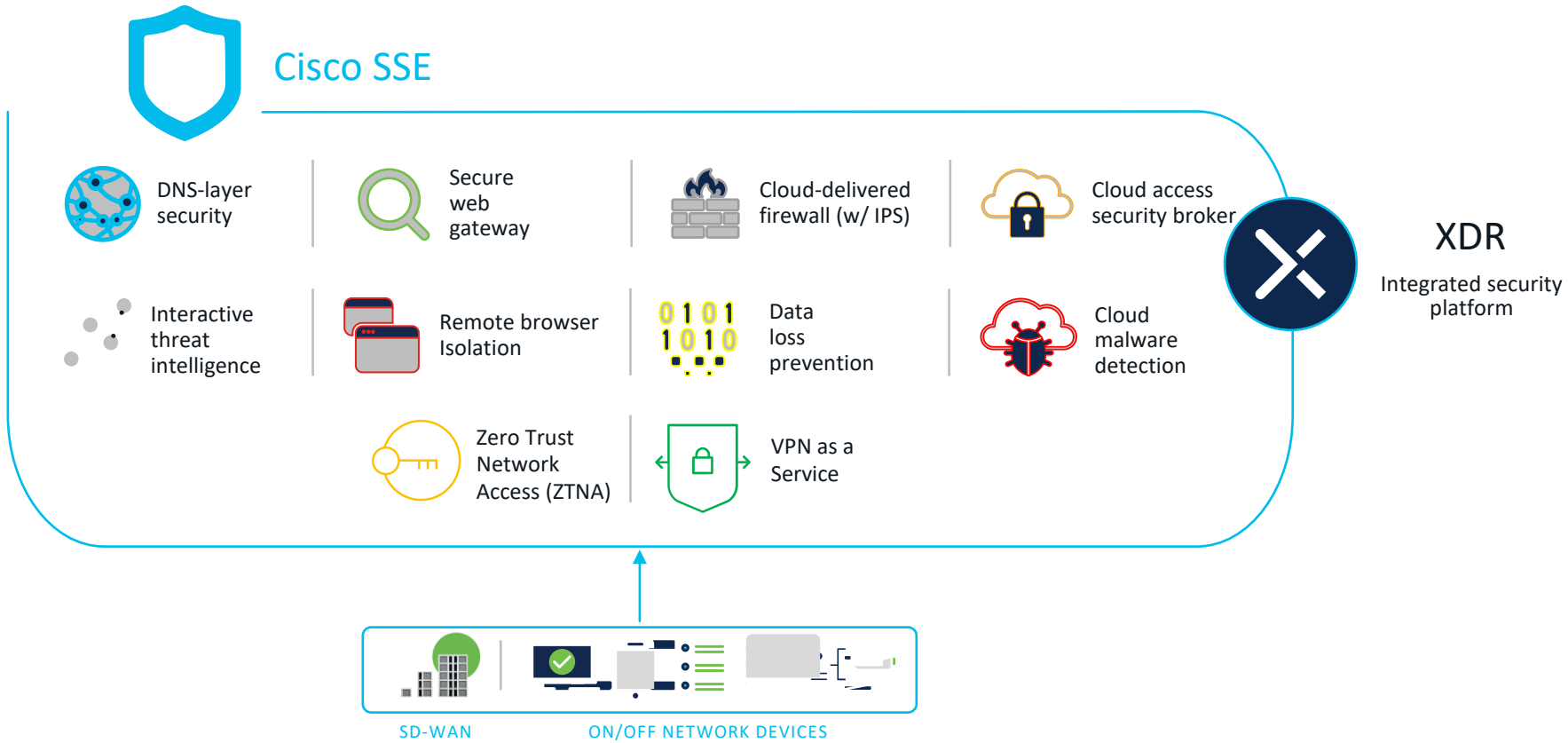
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Agenda

- Cisco Umbrella: Overview
- Cisco Secure Access: overview
- Cisco Secure Access: architecture and features
- Q&A

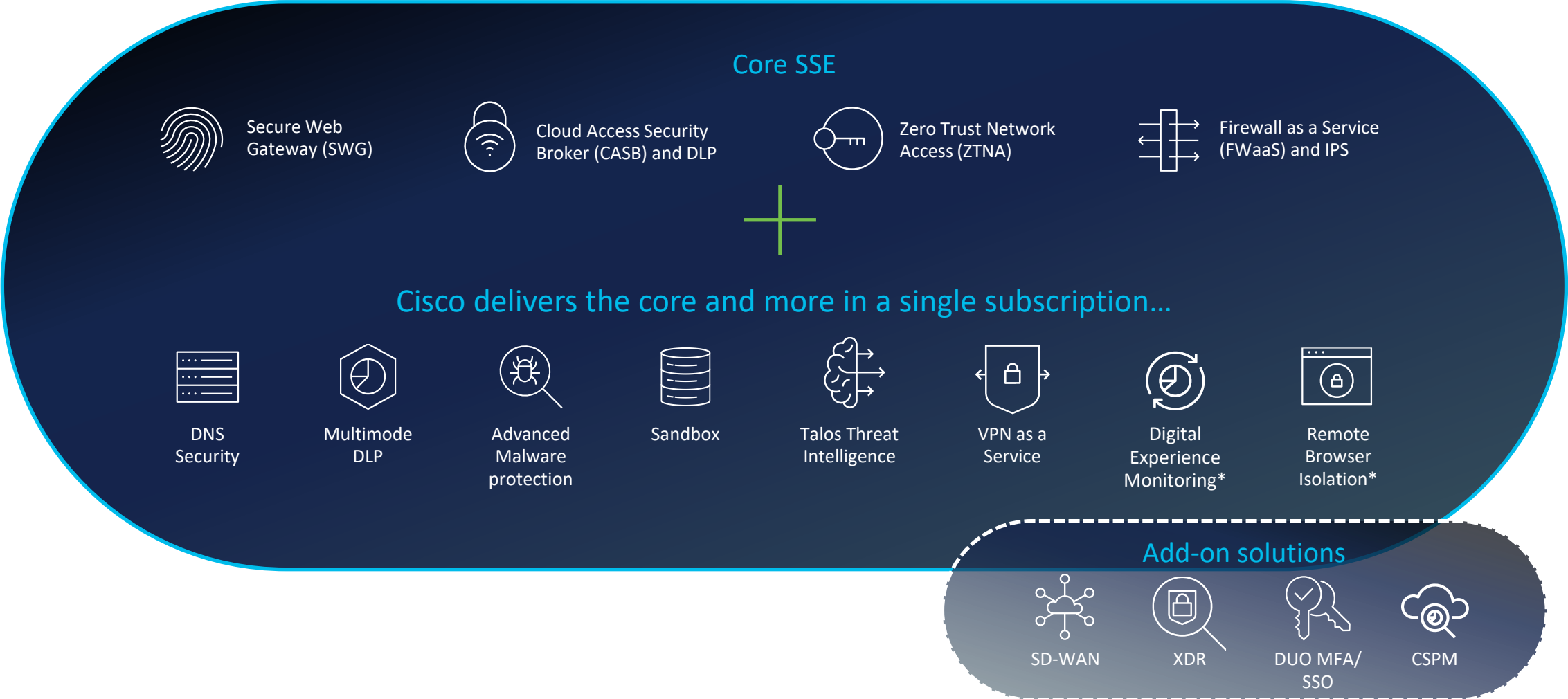
Cisco Umbrella Overview

What makes up Cisco SSE



Cisco Secure Access Overview

Cisco Secure Access



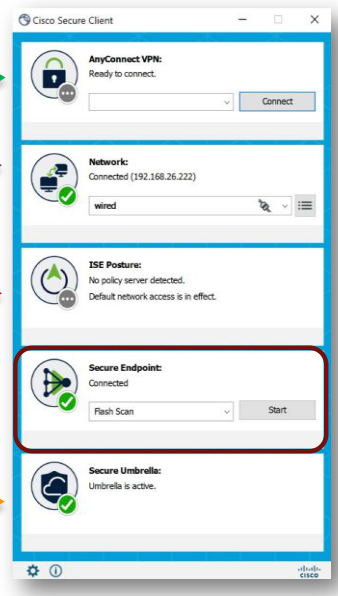
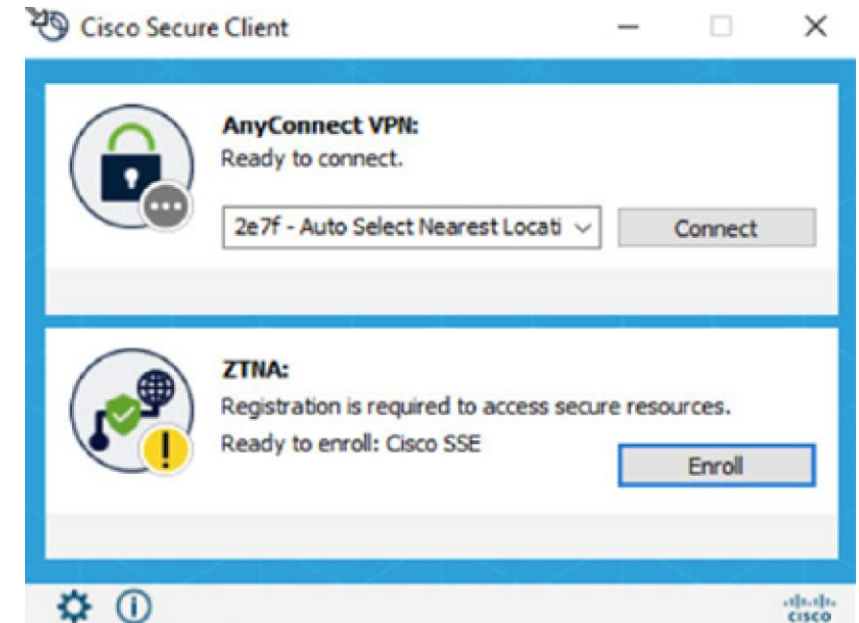
Single Unified Agent

Cisco Secure Client

Suite of Security Service Enablement Modules

- AnyConnect VPN (Core)
- Network Access Manager (NAM)
- ISE Posture
- HostScan (aka: ASA posture) (No UI)
- Secure Endpoint (AMP)
- Umbrella Module
- Cloud Management Module (No UI)
- Network Visibility Module (NVM) (No UI)
- Diagnostics and Reporting Tool (DART)

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Cisco Secure Access: architecture and features

Architecture Overview

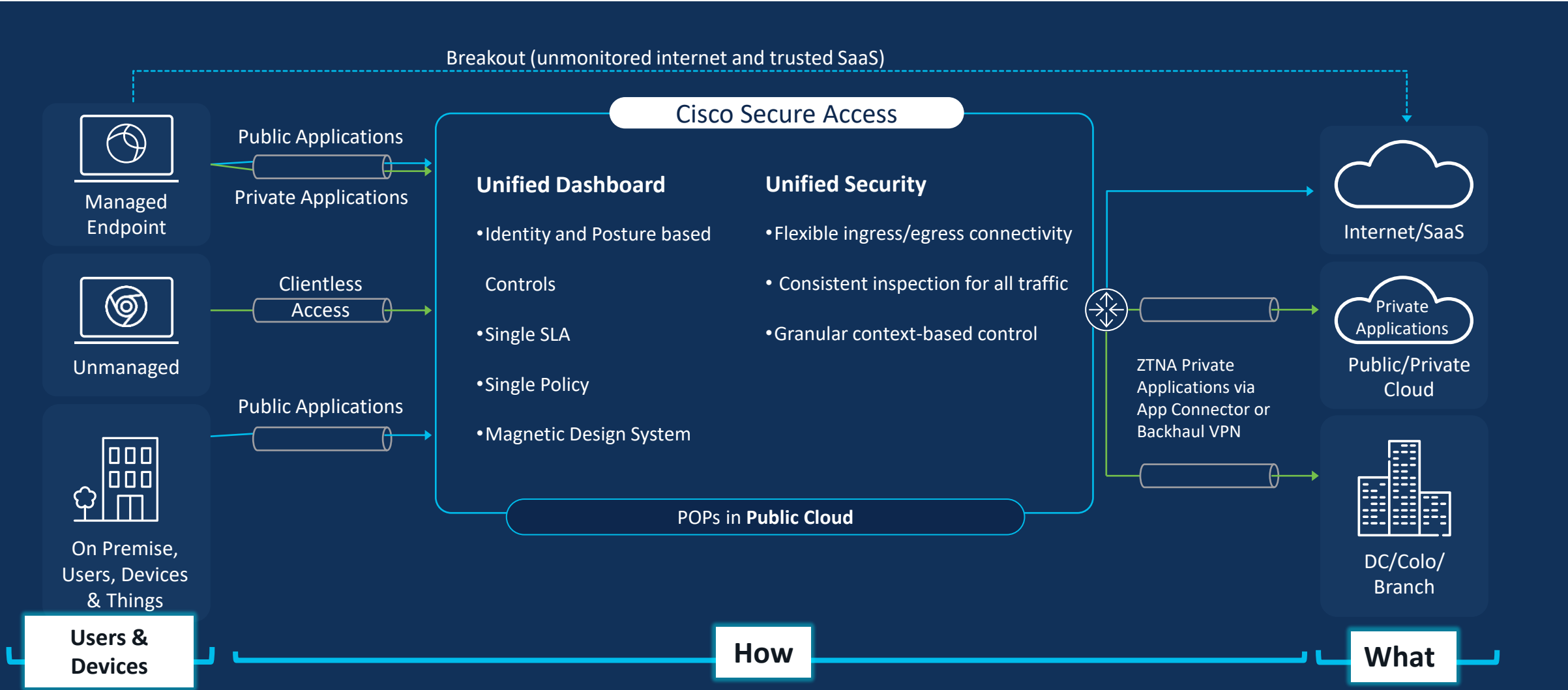
↔

Internet Traffic

↔

Private Traffic

Secure Tunnel



Architecture Overview

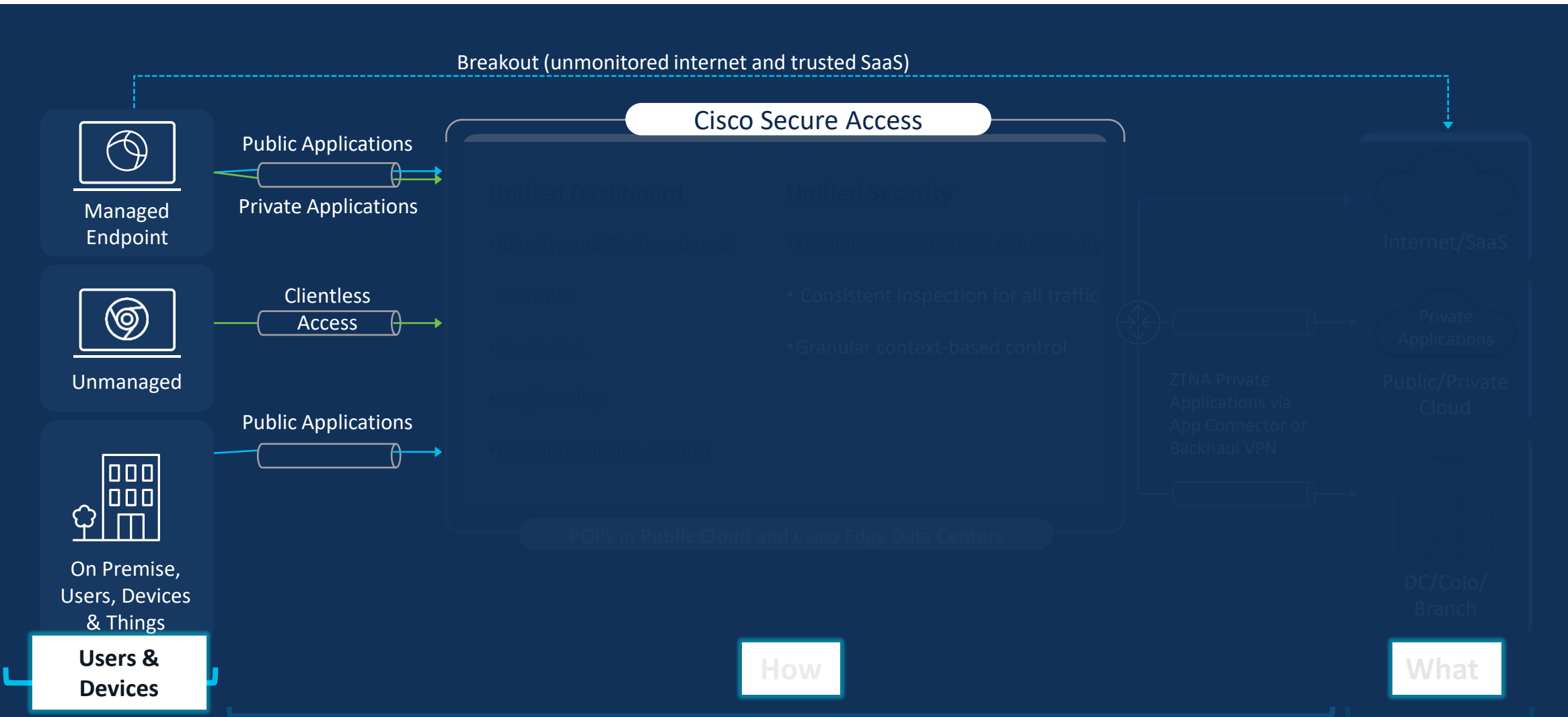
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Internet Traffic

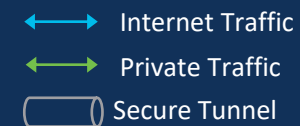
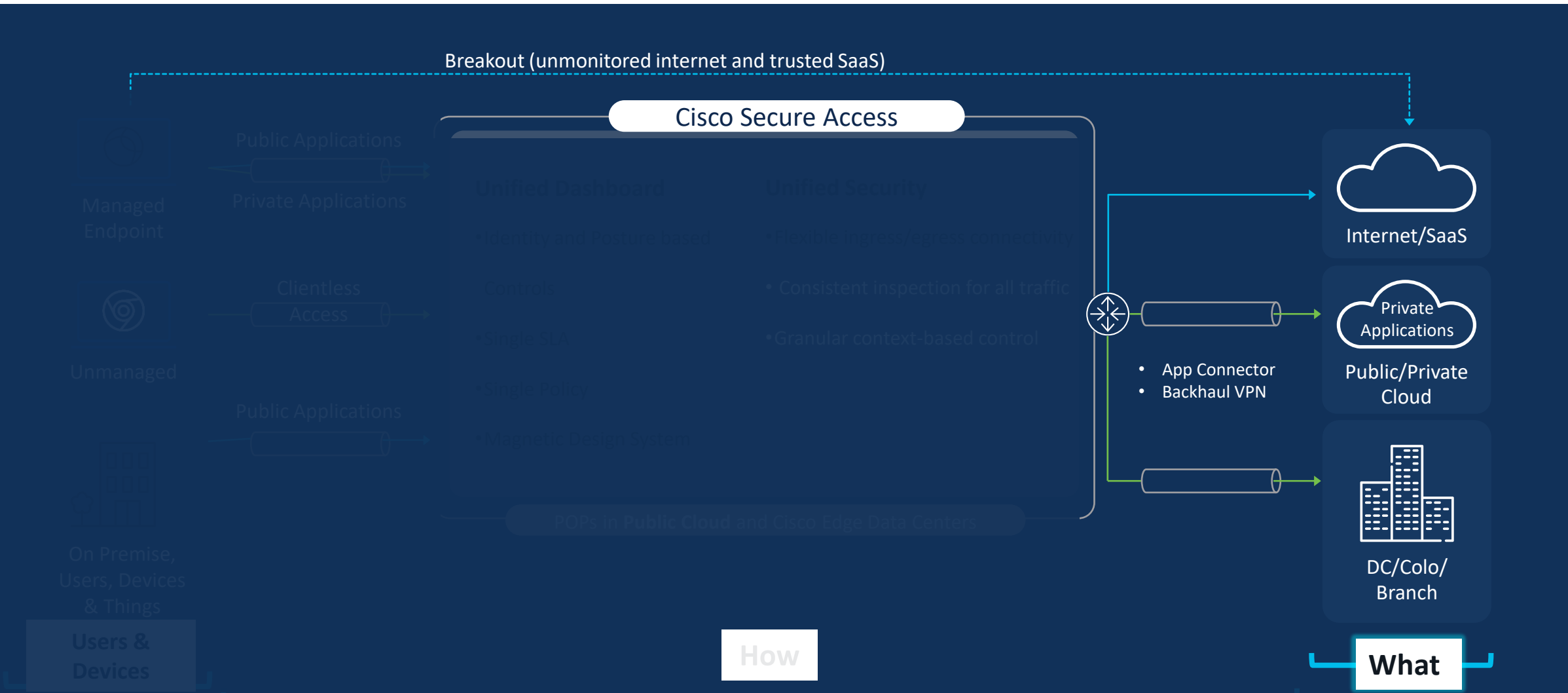
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Private Traffic

Secure Tunnel



Architecture Overview

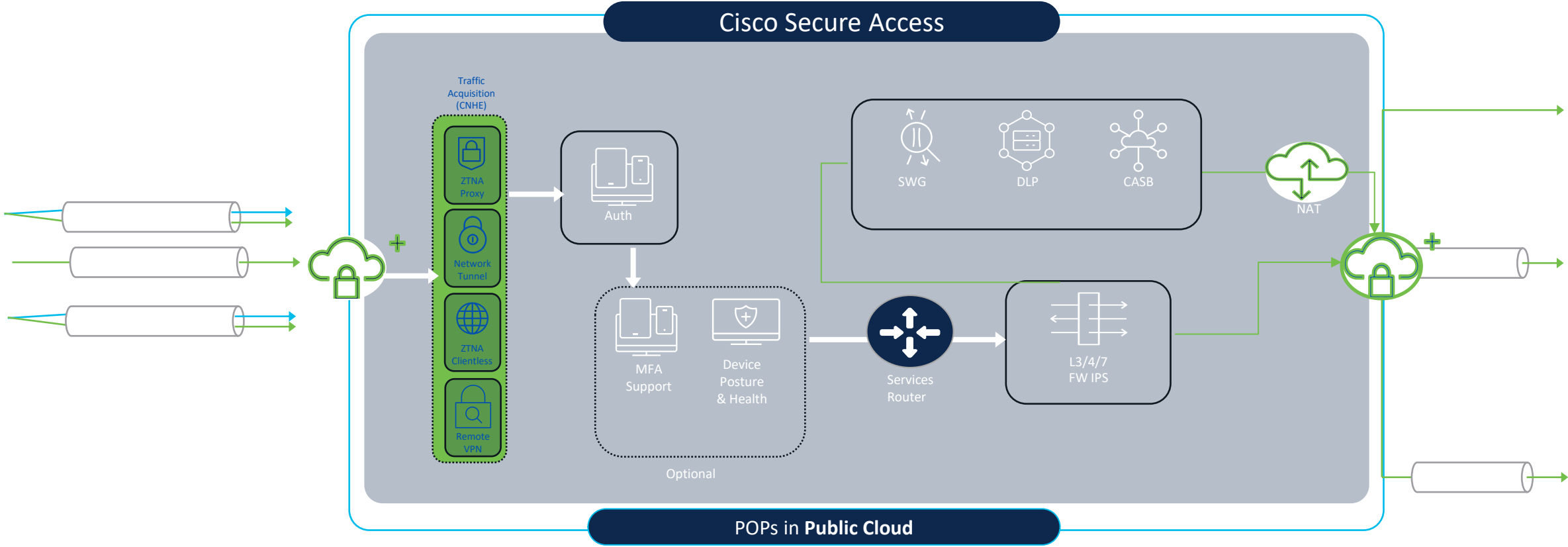


Cloud Security Services

↔ Internet Traffic

↔ Private Traffic

🛡️ Secure Tunnel



Secure Branch

Secure Internet Access

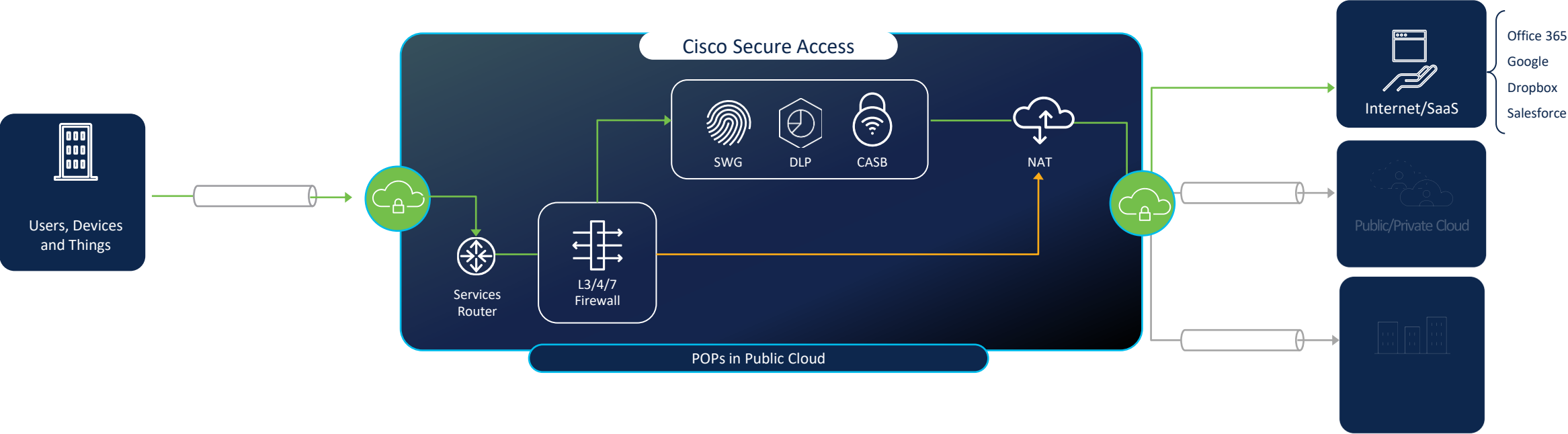
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Internet Traffic

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Non Web Traffic

Secure Tunnel



Secure Internet Access

Secure Internet Access (typically coupled with Secure Private Access via VPN)

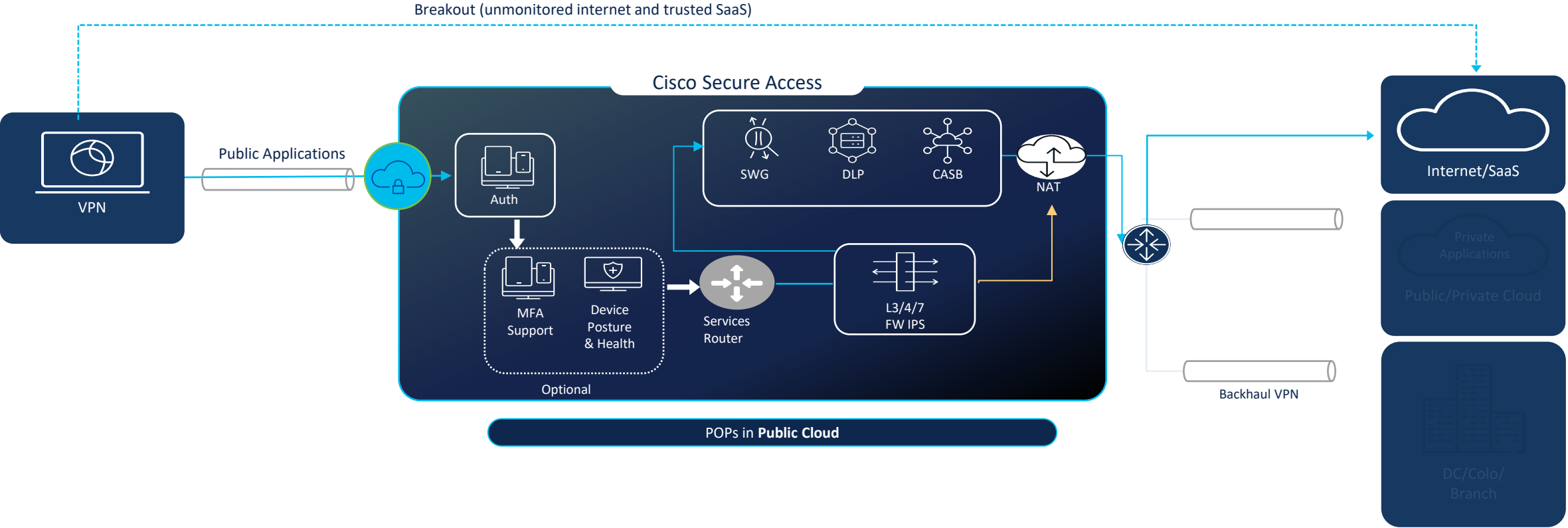
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Internet Traffic

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Non-Web Traffic

Secure Tunnel



Capabilities

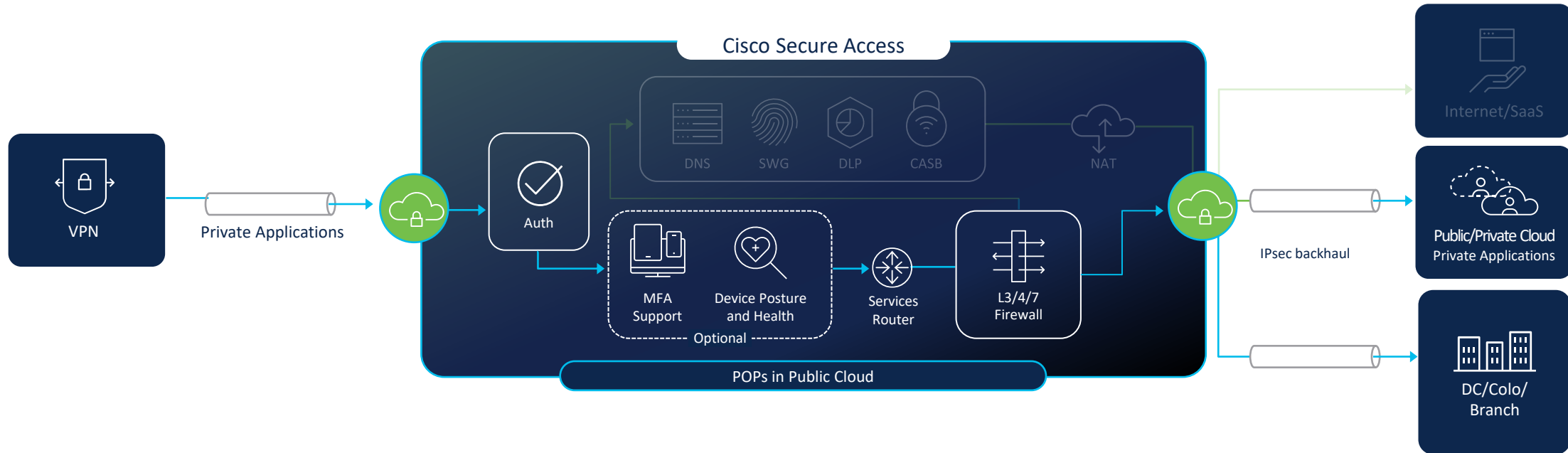
- SAML 2.0 + cert-based authentication
- Posture verification (optional)
- IPS
- Single in-line inspection
- Application policy



Secure Private Access

via VPN

↔ Private Traffic
▭ Secure Tunnel



Benefits

- SAML 2.0 + cert-based authentication
- Posture verification (optional)
- Trusted Network Detection
- Start before login
- IPS
- Granular context-based control

Secure Private Access (Client-based ZTNA)

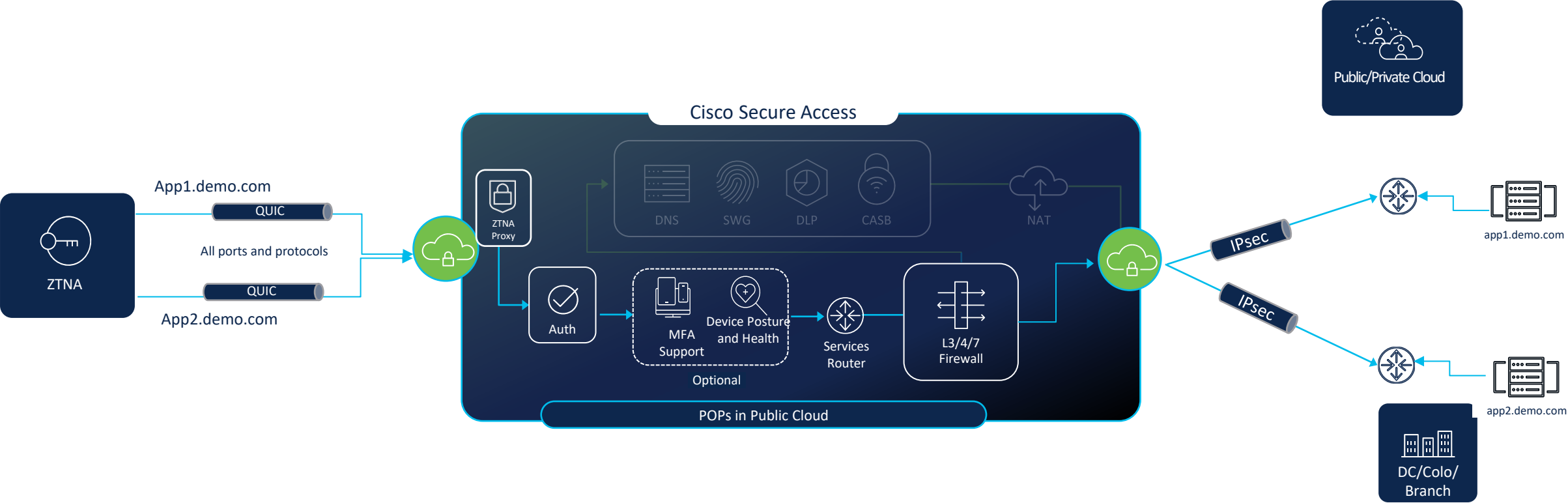
ZTNA supported Apps via IPsec backhaul

↔

Private Traffic

▭

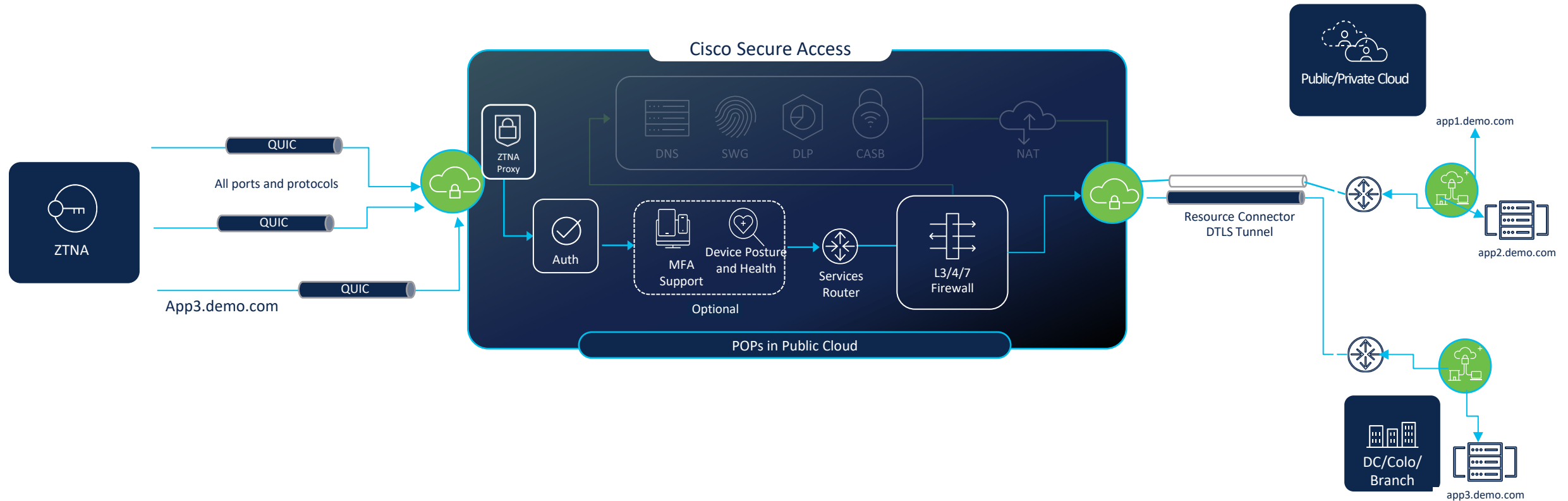
Secure Tunnel



Secure Private Access (Client-based ZTNA)

ZTNA supported Apps with App Connector

Private Traffic
Secure Tunnel



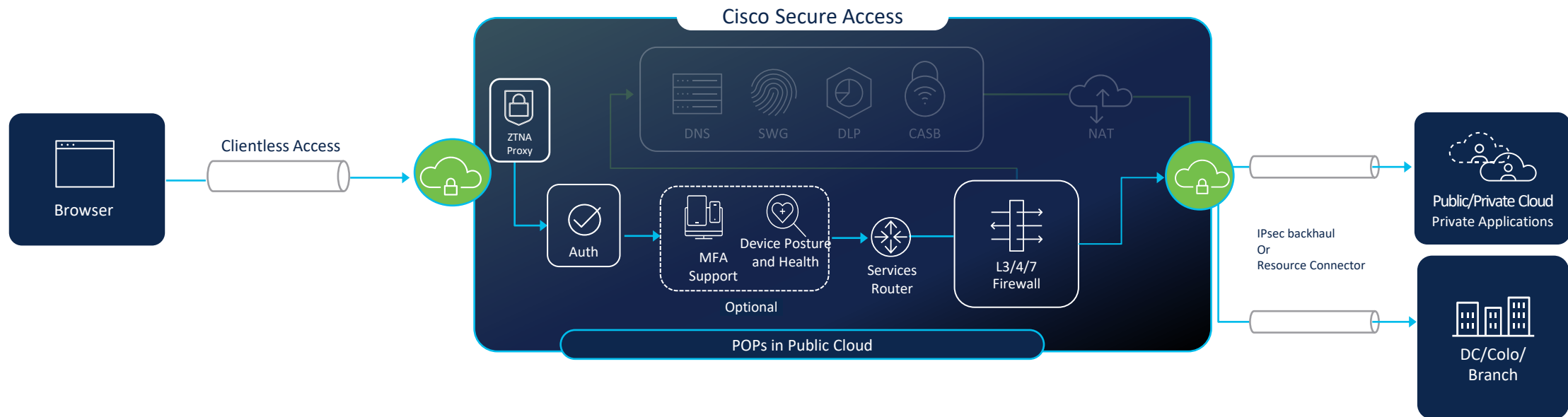
Benefits

- Improved end-user experience
- Improved Security step up auth
- Always on access
- Performance benefits QUIC & MASQUE
- Per App tunnels
- Cloud bypass for sensitive apps (future)
- No routing/network modification on client
- App specific access

Secure Private Access

No VPN, No Client

↔ Clientless Access
🔒 Secure Tunnel



Capabilities

- Clientless
- App-specific access
- Undiscoverable IP address
- Least privileged user access
- Reduced threat surface

Q & A



Keynote Deep Dives

Wednesday
10:30am – 11:30am



Experiences Amplified:
How AI Can Fuel Better Employee and Customer Experiences

Level 1
Room 106



Smart, Secure, Seamless:
Transforming Experiences with Next-Generation Networking

Level 2
Room 204



Harness a Bold New Era:
Transform Data Centre and Service Provider Connectivity

Level 2
Room 203



Securing User to Application and Everything in Between

Level 2
Melbourne Room 2



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The HUB
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Thank you

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