

Simple, Secure & Empowered Application Access

With Zscaler Private Access

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Zscaler: The market leader in cloud security

Unparalleled Cloud Scale

45B

Daily requests

100

Data centers

185

Countries served

Enterprise Customers

2,800 CUSTOMERS

Over 200 of the Fortune Global 2000

Conglomerates

3 of the top 3

Oil and gas operations

3 of the top 4

Beverage

5 of the top 7

Apparel and accessories

2 of the top 4

Specialized chemicals

2 of the top 3

Food retail

6 of the top 12

Global Partners



Focus to Improve End-User Experience for Mobile Workforce

The Enterprise Transformation

App Location



Datacenter



Cloud

Network

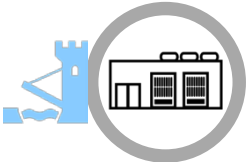


Hub & Spoke



Direct-to-Cloud

Security

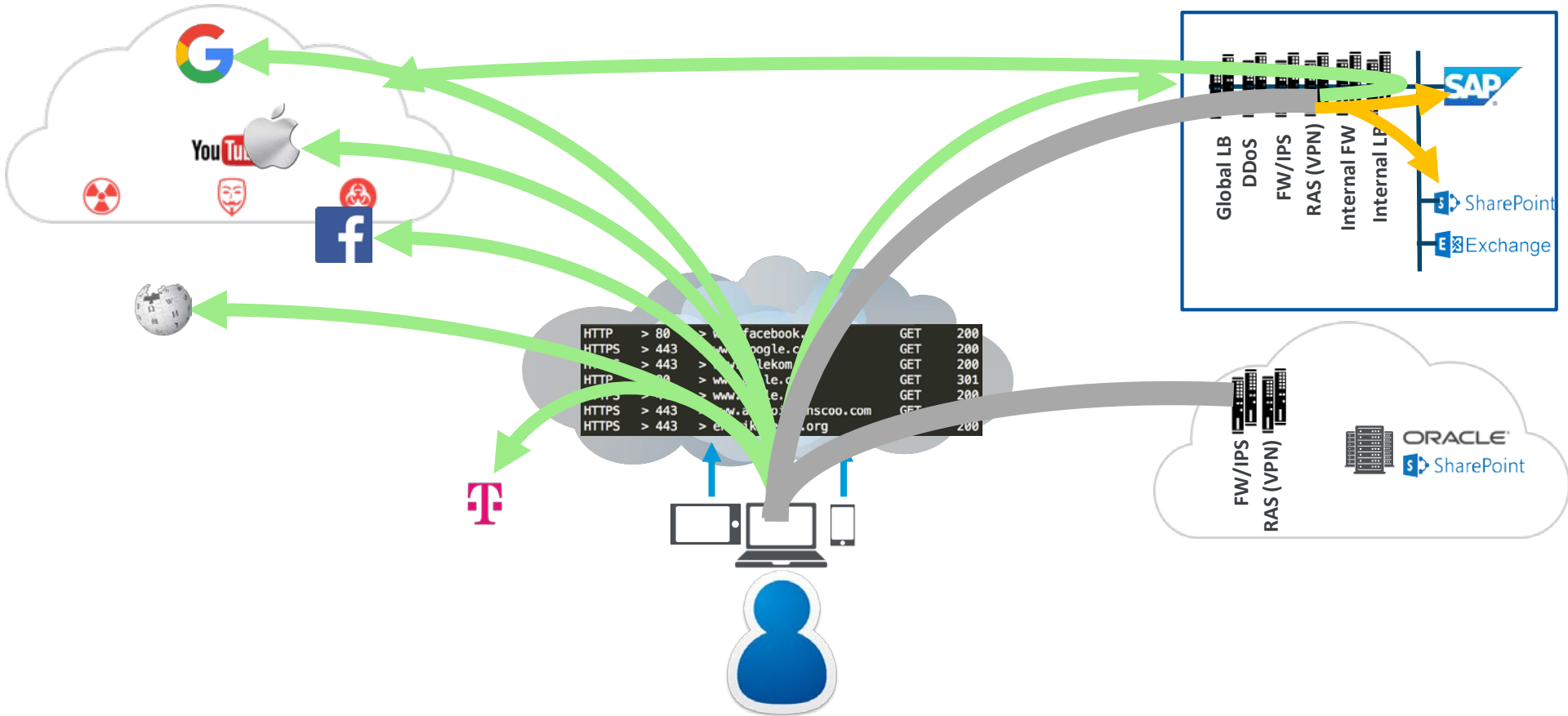


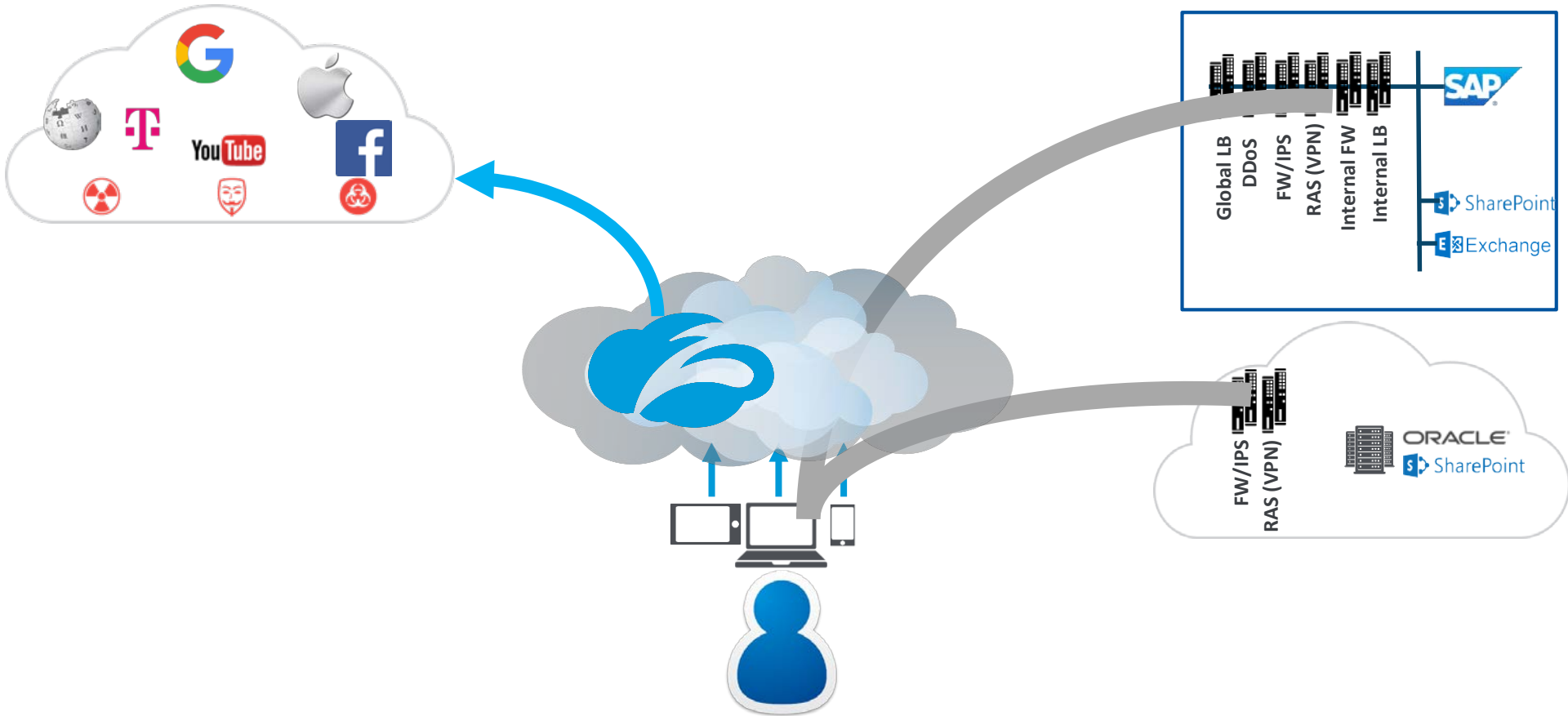
Castle & Moat



User to App Policies







Modern Platforms Require Modern Methods for Connecting To Them

“By 2021, 60% of enterprises will phase out network VPNs for digital business communications in favor of software-defined perimeters”

Gartner

November 2017



The Software Defined Perimeter

- New approach to remote access for zero trust, “need to know” access
- Based on Defense Information Systems Agency (DISA) work in 2007
- Used at Google for 6 years – Google BeyondCorp
- Two key criteria:

User device – device posture

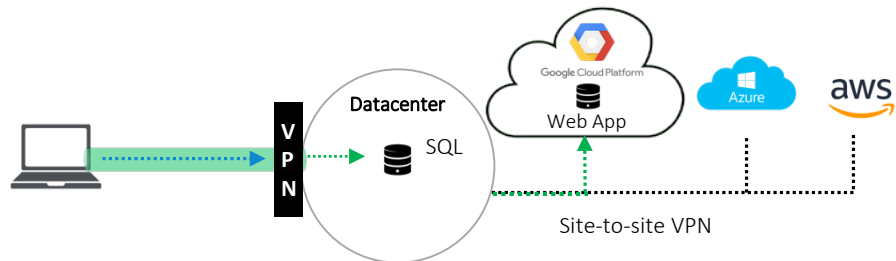
User identity – authorized user access



Evolution of Remote Access To Internal Applications

1990s

Remote Access
VPN

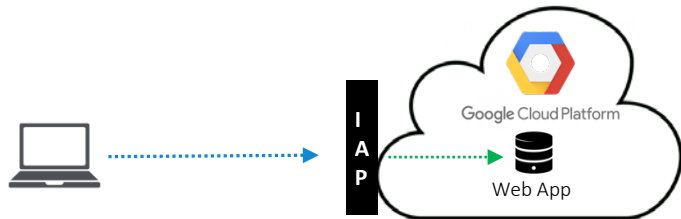


- Users have full network access
- Susceptible to lateral movement
- DMZ appliances anchored in datacenter
- Requires site-to-site VPN to access cloud

2011-2017

Software-defined perimeter

Google
BeyondCorp

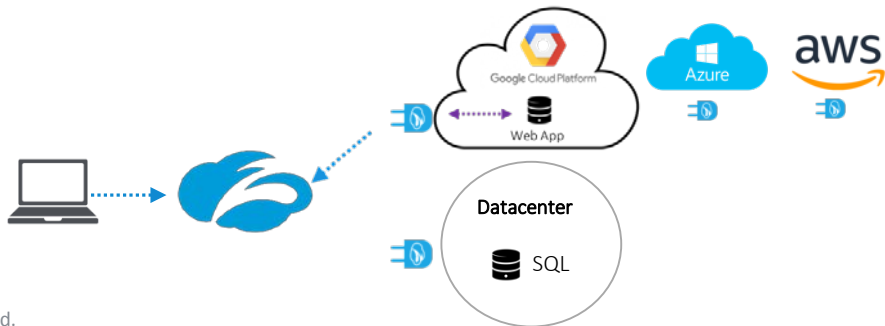


- Zero-trust access, inbound connection
- Static IP exposed, requires DDoS protection, FW and GSLB
- Only supports Google Cloud and web apps
- Site-to-site VPN to access other environments

Today

Software-defined perimeter

Zscaler Private
Access



- Zero trust access, inside-out connection
- Apps invisible, no inbound ACLs/FW policies
- Ability to discover new applications
- Supports any application type
- Supports all clouds and datacenters



Zscaler Private Access

Secure Access To Internal Applications



Built Upon 4 Key Security Tenets

- 1 Connect users to apps without bringing them on the network
- 2 Apps are invisible to unauthorized users (IP never exposed)
- 3 Segment apps without segmenting the network
- 4 The internet become the new secure network

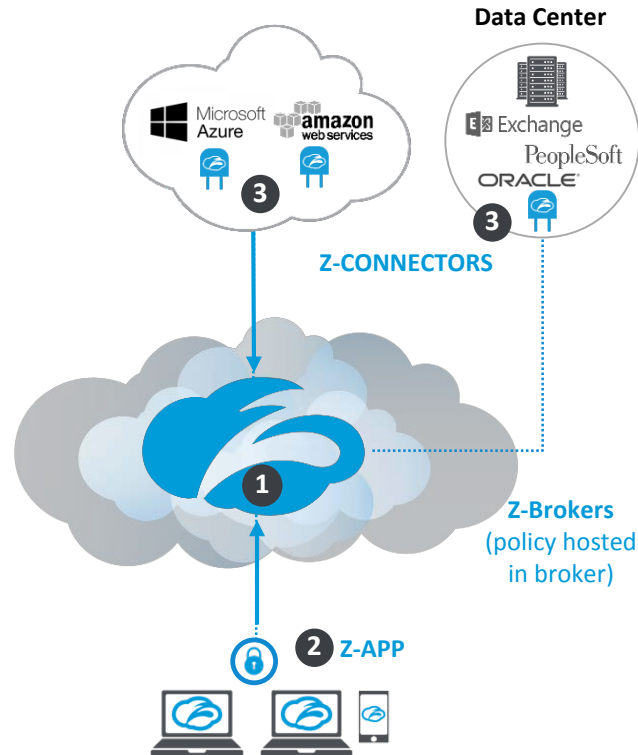


Zscaler Private Access – Fast, secure access to internal apps

Internal application access without bringing users onto the network

Software-defined perimeter concept

- 1 **Z-Brokers (ZENs)** – secure user to app connection
 - Cloud Policy engine - user to app access rights
- 2 **Z-APP** – requests access to an app
- 3 **Z-CONNECTOR** – sits in front of apps; Inside-out connections only - “I’ll call you”



Experience Users Want. **Security** You Need.



ZPA Service – 4 Security Tenets in Action

4

The internet is the new secure network

- Double-tunneling for secure access

1

Remote users are never placed on the network

- Application access, not network access

2

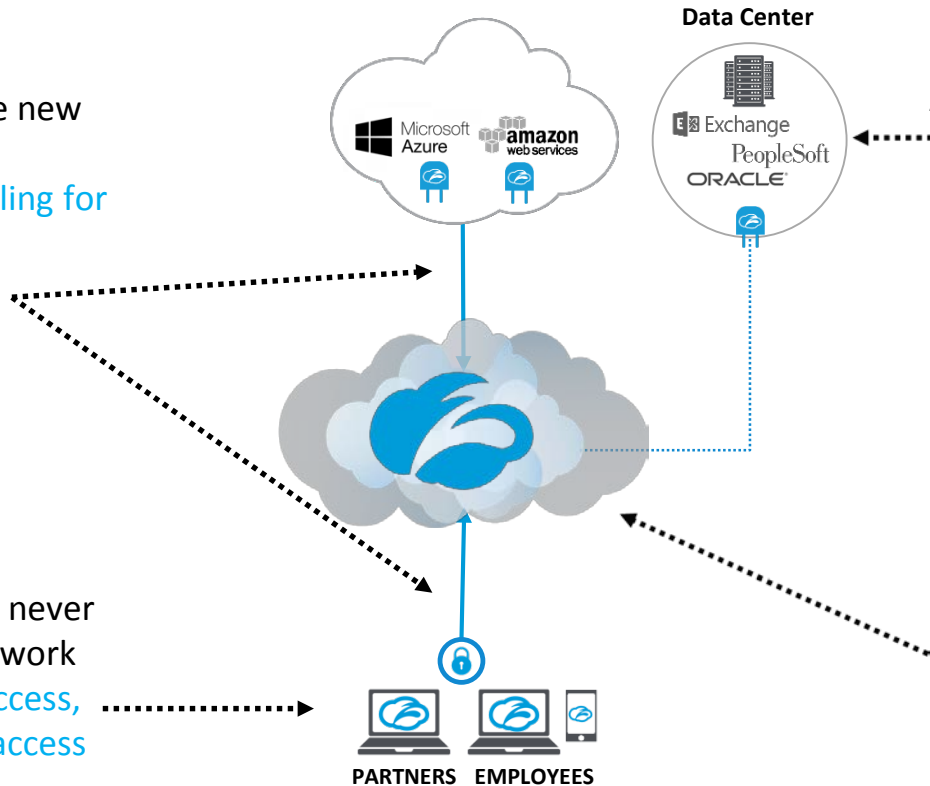
Applications are **invisible** to unauthorized users

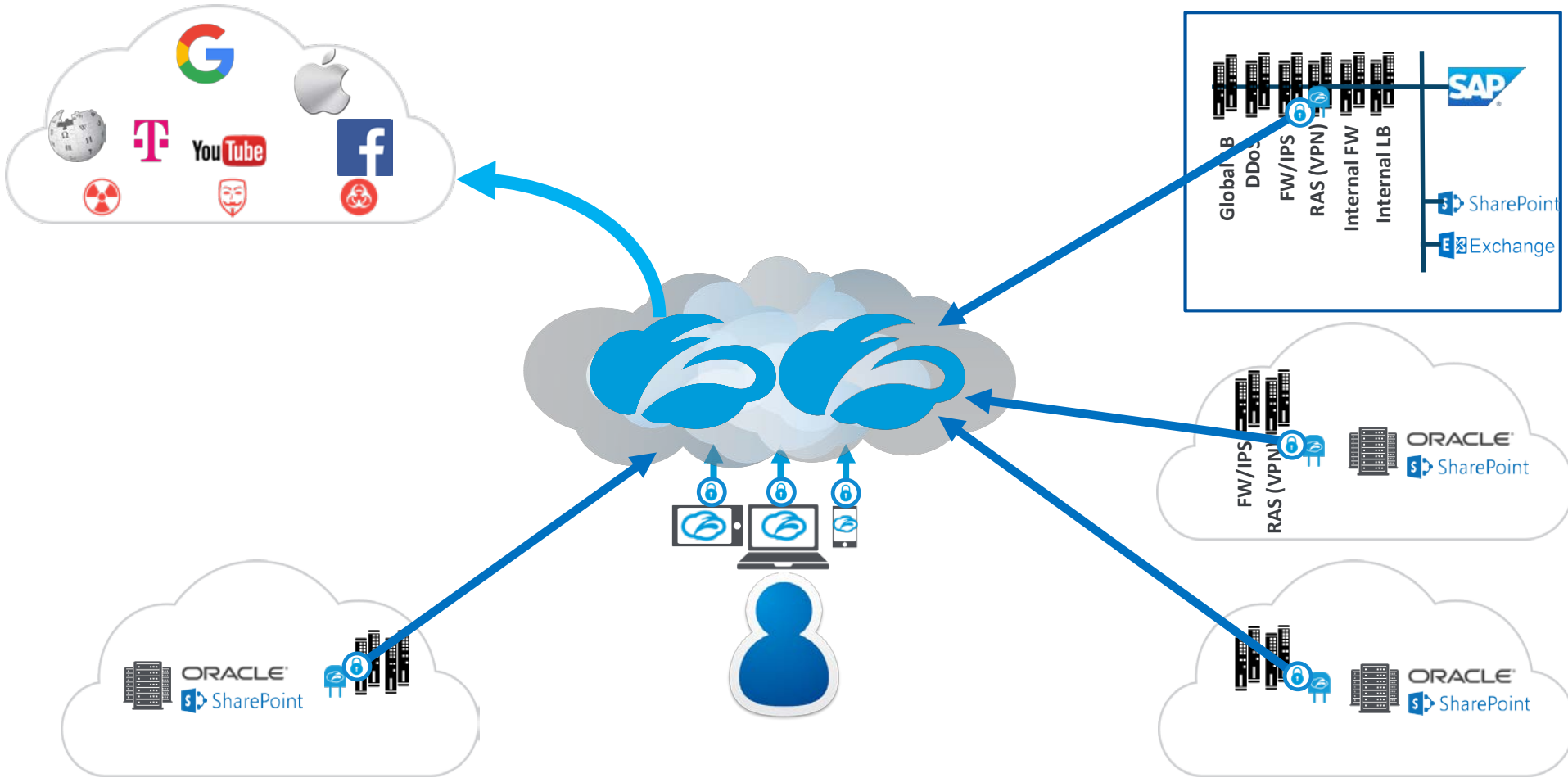
- Users can't access what they can't see
 - Outbound connections only

3

Segment access by application

- Define which users access which apps





Enterprise Benefits

Experience



- Faster access to apps
- No need for VPN
- Seamless access to apps

Security



- Users never on network
- No app exposure to internet
- No lateral access to apps

Cost



- No hardware appliances
- Less inbound inspection service spend
- Reduce overhead

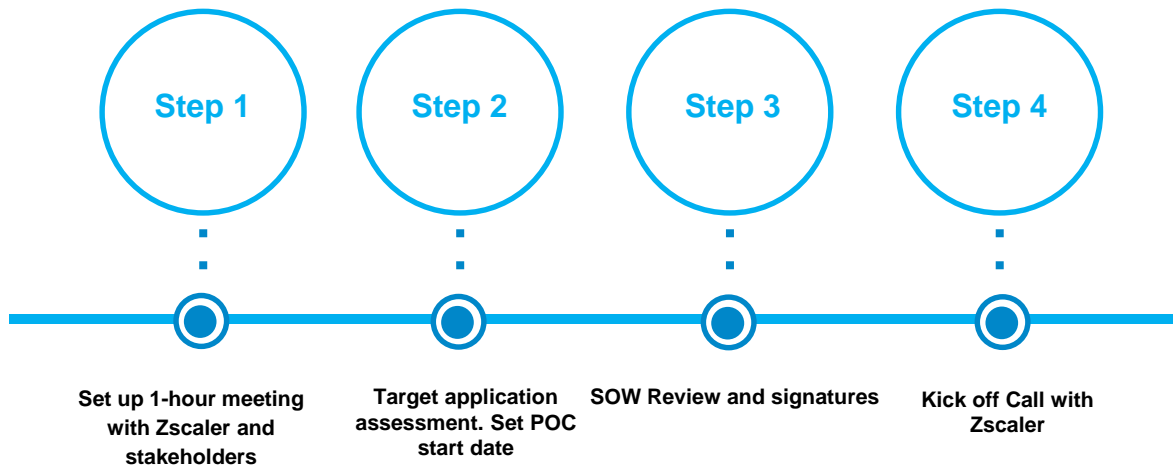
Simple



- Simple implementation
- No ACLs or Firewalls
- Access from any device



Find Out More



Thanks You!

Questions and Next Steps



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