

softwerx



Enabling the secure transformation to the cloud

It's no longer a question of *if*. It's a question of *how*.

Here's how.





Welcome to the era of
cloud and mobility

Your applications are moving to the cloud — Salesforce, Office 365, AWS, and Azure — but your security appliances are still sitting on-premises, protecting your corporate network.

“It’s obvious that legacy IT security methods focused on protecting the perimeter are inadequate. Just read any paper. Elvis has left the building — and so have your users, devices, and applications.”

Larry Biagini
Chief Technology Evangelist, Zscaler
former CIO and Chief Technology Officer, GE

The evolution of IT security

THE SECURITY PERIMETER PROTECTS THE CORPORATE NETWORK



1 | Network

A security perimeter was established to protect the network. The data center was the center of gravity and all traffic was backhauled.



2 | Internet

Outbound Internet and inbound VPN gateways were built to provide Internet access and give mobile users access to the network.



3 | Cloud

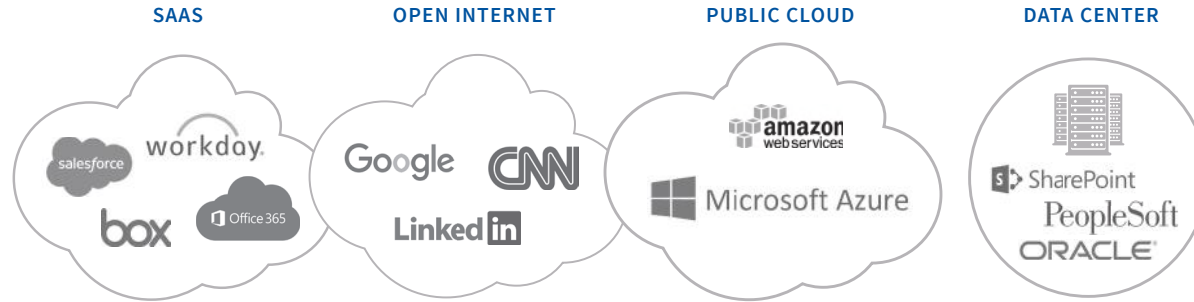
The threat landscape changed and more appliances were deployed to protect the network. But the cloud was the new center of gravity and the Internet the new network — connecting users to apps.

The Internet is the new network™

If you no longer control the network, how can you protect users and applications?

To secure this new world of IT, you simply need a new approach

One that transforms the way applications are accessed and security controls are enforced. Zscaler provides an architectural approach to secure IT transformation, in which software-defined policies, not networks, securely connect the right user to the right app or service.



FROM

Hub & spoke architecture

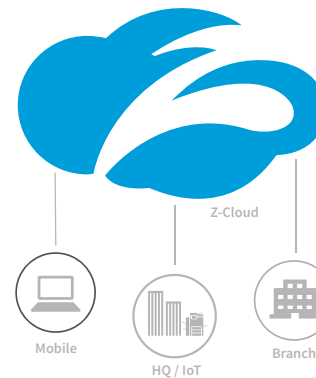
- Secure the network to protect users and apps
- Internal app access requires network access
- All users must be on the network for protection
- Internet traffic must be backhauled for protection



TO

Cloud-enabled architecture

- Software-defined policies connect users to apps, not networks
- Access policies determine which apps are visible and which are dark
- On-net or off-net, the protection is identical
- Secure local Internet breakouts

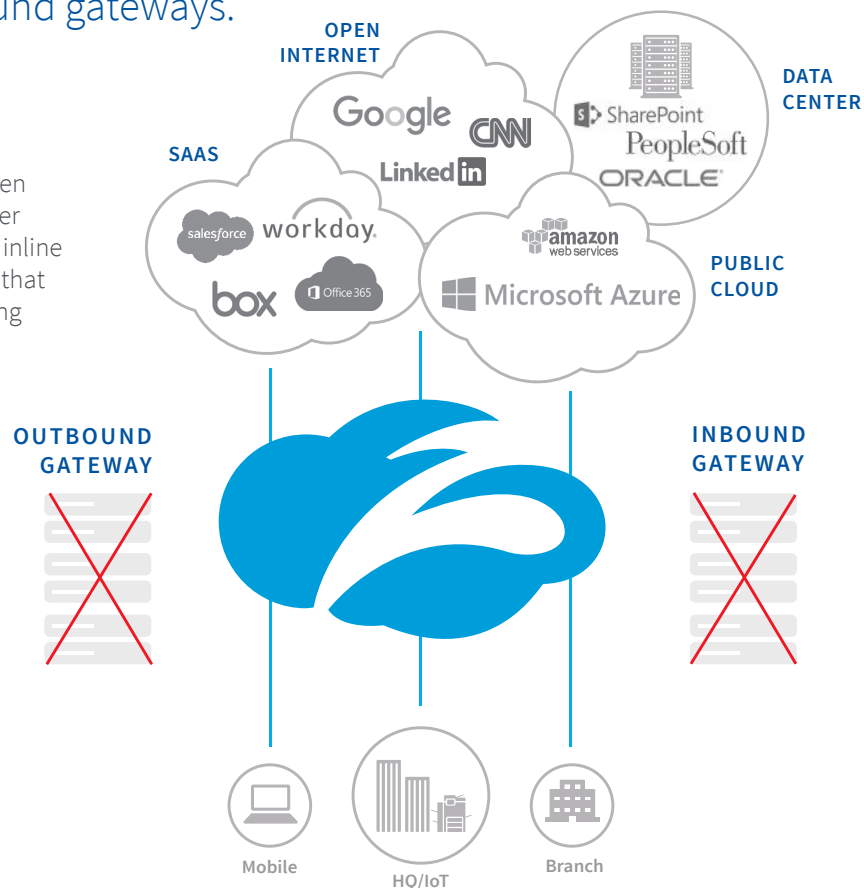


The Zscaler platform: a new approach to application access and security

Fast and secure policy-based access that connects the right user to the right service or application. The Zscaler platform is designed to replace your appliances at the inbound and outbound gateways.

Zscaler Internet Access

provides secure access to the open Internet and SaaS apps, no matter where users connect. It provides inline inspection of all traffic to ensure that nothing bad comes in and nothing good leaves.



Zscaler Private Access

delivers a completely new way to provide access to internal applications, whether they reside in the data center or cloud, without a VPN. It enables secure application access without network access — and without exposing apps to the Internet.

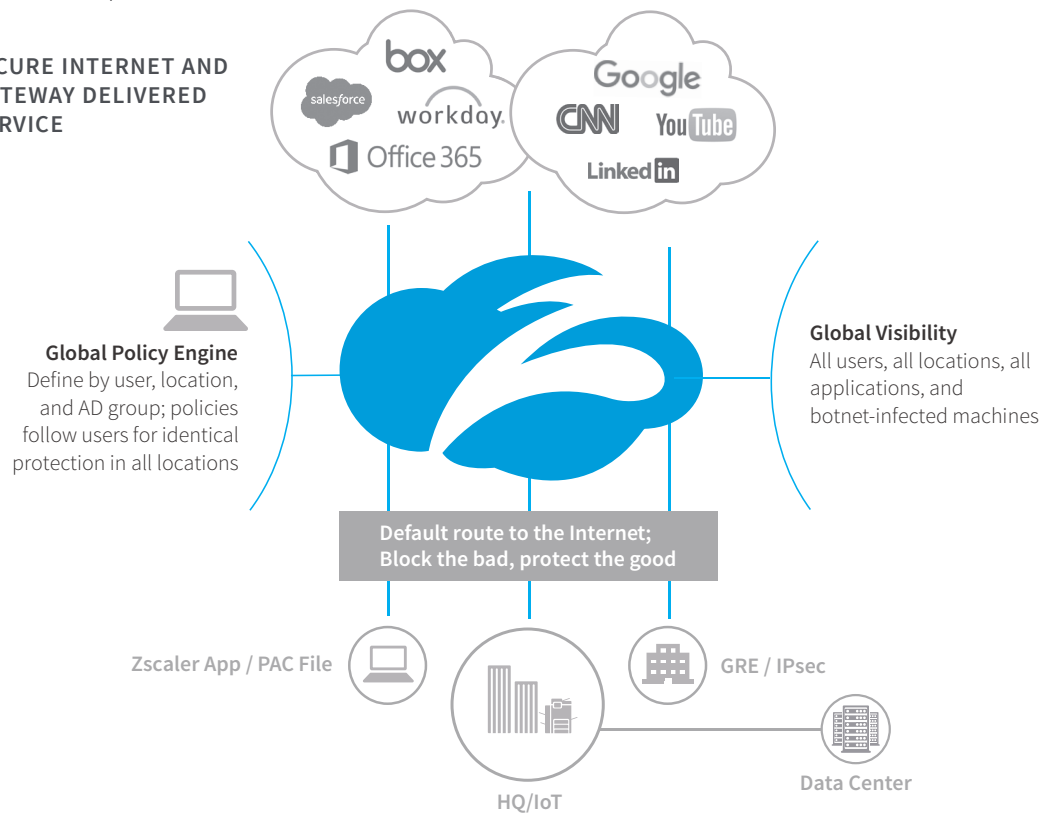
The notion of protecting the network is no longer relevant. You need to protect your users and your apps.

Zscaler Internet Access: fast, secure access to the Internet and SaaS apps

Enabling secure network transformation

By making Zscaler Internet Access your default route to the Internet, you will provide all users, everywhere, with identical protection. Zscaler sits between your users and the Internet, inspecting every byte of traffic inline, applying multiple security techniques for the highest level of protection.

THE SECURE INTERNET AND WEB GATEWAY DELIVERED AS A SERVICE



What sets Zscaler security apart?

- Full inline content inspection
- Native SSL inspection
- Cloud intelligence
- Real-time threat correlation
- 60+ industry threat feeds

The Zscaler architecture is the best approach for secure SD-WAN and Office 365 deployments

The Zscaler cloud optimizes traffic flows by allowing secure, direct connections to the Internet over broadband and reserving MPLS for data center traffic.





Purpose-built, multi-tenant cloud security platform

Eliminates the appliance mess and provides the highest level of security

Zscaler Internet Access moves the entire security stack to the cloud with integrated security services that correlate data instantly for the highest level of protection. The Zscaler cloud was built from the ground up for comprehensive security and low latency. And due to its elastic scale, customers can add users and activate services almost instantly.

Zscaler purpose-built cloud security platform




Access Control

-  Cloud Firewall
-  URL Filtering
-  Bandwidth Control
-  DNS Filtering

Threat Prevention

-  Advanced Protection
-  Cloud Sandbox
-  Antivirus
-  DNS Security

Data Protection

-  Data Loss Prevention
-  Cloud Apps (CASB)
-  File Type Controls

Global visibility

Zscaler offers global visibility, in near real time, into all users, locations, services, and applications, as well as threats blocked and attempted communications to C&Cs from any botnet-infected machines.

Powered by patented technologies

SSMA™

All security engines fire with each content scan; only microsecond delay

ByteScan™

Each outbound and inbound byte scanned; native SSL scanning

PageRisk™

Risk of each web page element computed dynamically

Nanolog™

50:1 compression of logs with real-time global log consolidation

PolicyNow™

Policies follow the user for the same on-net, off-net protection

Built on a global, multi-tenant cloud architecture

Zscaler Private Access : fast, secure access to internal apps

Enabling secure application transformation

Application access has traditionally required network access — and bringing users on the network always introduces risk. Zscaler has introduced a new approach to internal application access that connects a named user to a named app.

WITH ZSCALER PRIVATE ACCESS

Users are never on the corporate network

which minimizes your attack surface

Apps are invisible, never exposed to the Internet

and internal apps cannot be discovered or exploited

The Internet becomes a secure network without a VPN

and third parties can't intercept data

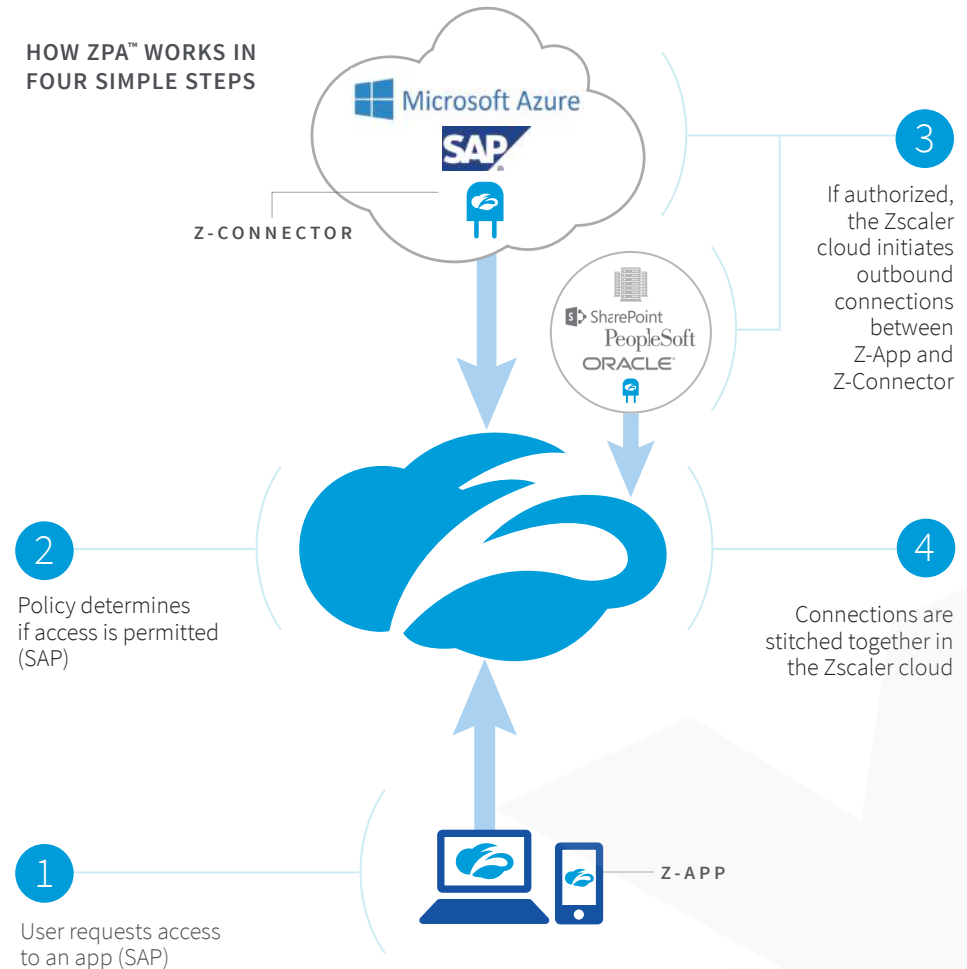
You can segment apps without network segmentation

lateral movement is impossible

Internal apps can easily be moved to Azure or AWS

private apps are accessible without VPN infrastructure

HOW ZPA™ WORKS IN FOUR SIMPLE STEPS



HOW LEADING ORGANIZATIONS ARE USING ZSCALER PRIVATE ACCESS



SECURE PARTNER ACCESS

Grant partners access to only a server in the data center, not the network



M&As / DIVESTITURES

Provide named users access to named apps without merging networks



ACCESS TO INTERNAL APPS

Provide secure access to private apps without deploying appliances



VPN REPLACEMENT

Policies connect users to specific apps; they're never brought on the network and apps are never exposed to the Internet

The world's largest security cloud

The Zscaler platform was built in the cloud, for the cloud. We knew that service-chaining boxes together could never serve customers on a global scale, so we designed our platform and security services from scratch. Zscaler and its engineering team have been granted scores of patents for architectural innovations.

100 DATA CENTERS 5 CONTINENTS

The Zscaler cloud encompasses data centers around the world, with peering in the major exchanges that make up the Internet backbone.

30 BILLION+ REQUESTS PER DAY

125 MILLION+ THREATS BLOCKED PER DAY

THE CLOUD EFFECT

If a threat is detected anywhere, customers are protected everywhere. Our volume and our threat-sharing partnerships contribute to **120,000+** unique security updates every day. Can your appliance do that?



ZSCALER: ZENITH OF SCALABILITY



USERS PROTECTED
1.6 MILLION



TRAFFIC SECURED
192 COUNTRIES



BANDWIDTH USAGE
53 Gbps



OFFICE 365 TRAFFIC
83TB per MONTH

Zscaler is trusted by G2000 leaders



How a bank weathered a CryptoLocker run

Before Zscaler

- 1,352 CryptoLocker emails arrived over six hours
- 114 blocked by legacy controls
- 9 employees clicked the link
- 6,500 file shares destroyed

After Zscaler

- 5,405 infected emails arrived over six hours
- 169 blocked by legacy controls
- 11 employees clicked the link
- 0 infections



How a customer deployed Office 365 across hundreds of locations

A highly distributed organization migrating its users to Office 365 was experiencing significant WAN congestion and Office 365 sessions were overwhelming its firewalls. With Zscaler, the company was able to deliver a great Office 365 experience across 650 locations. And Zscaler made it easy to prioritize Office 365 traffic over recreational or less critical traffic.

“We have over 350,000 employees in 192 countries in 2,200 offices being secured by Zscaler.”

Frederik Janssen, Global Head of IT Infrastructure

SIEMENS

Secure IT transformation is here

Zscaler Internet Access enables secure network transformation from hub-and-spoke to cloud-enabled with local Internet breakouts.

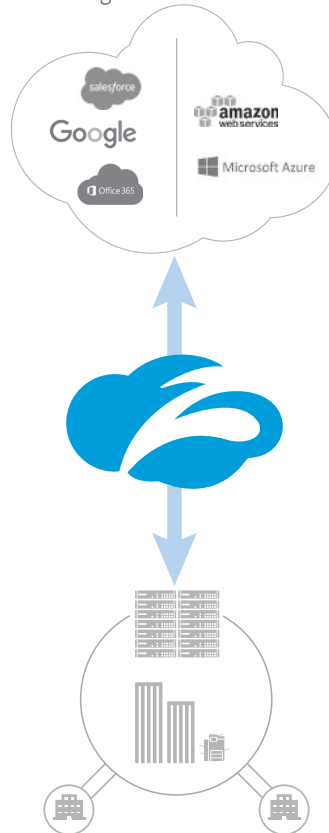
Zscaler Private Access enables secure application transformation, from network-based access to policy-based access, where users are never on the network.

Together, they enable you to embrace the era of productivity and agility enabled by the cloud.

Three simple steps to secure IT transformation

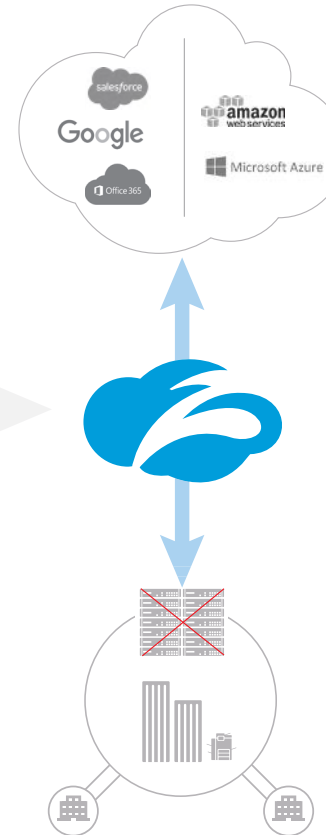
1 | Secure

Up-level security now; make Zscaler your next hop to the Internet; no infrastructure changes



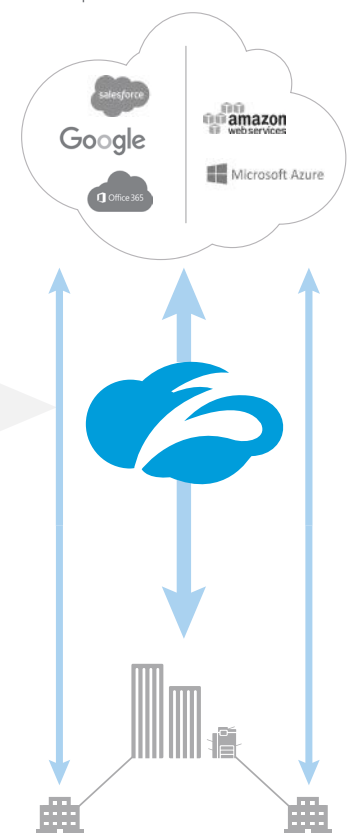
2 | Simplify

Phase out point products; reduce costs and management overhead



3 | Transform

Enable local breakouts for Internet traffic to deliver a better, more secure user experience



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About Zscaler

Zscaler was founded in 2008 on a simple but powerful concept: as applications move to the cloud, security needs to move there as well. Today, we are helping thousands of global organizations transform into cloud-enabled operations.

Contact Zscaler if you're

- Moving to Office 365
- Securing a distributed and mobile workforce
- Moving apps to Azure or AWS
- Securing an SD-WAN transformation
- Driving toward a cloud-first strategy

No matter where you are now in your journey, the transformation has begun, and it's enabled by Zscaler.

www.zscaler.com

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