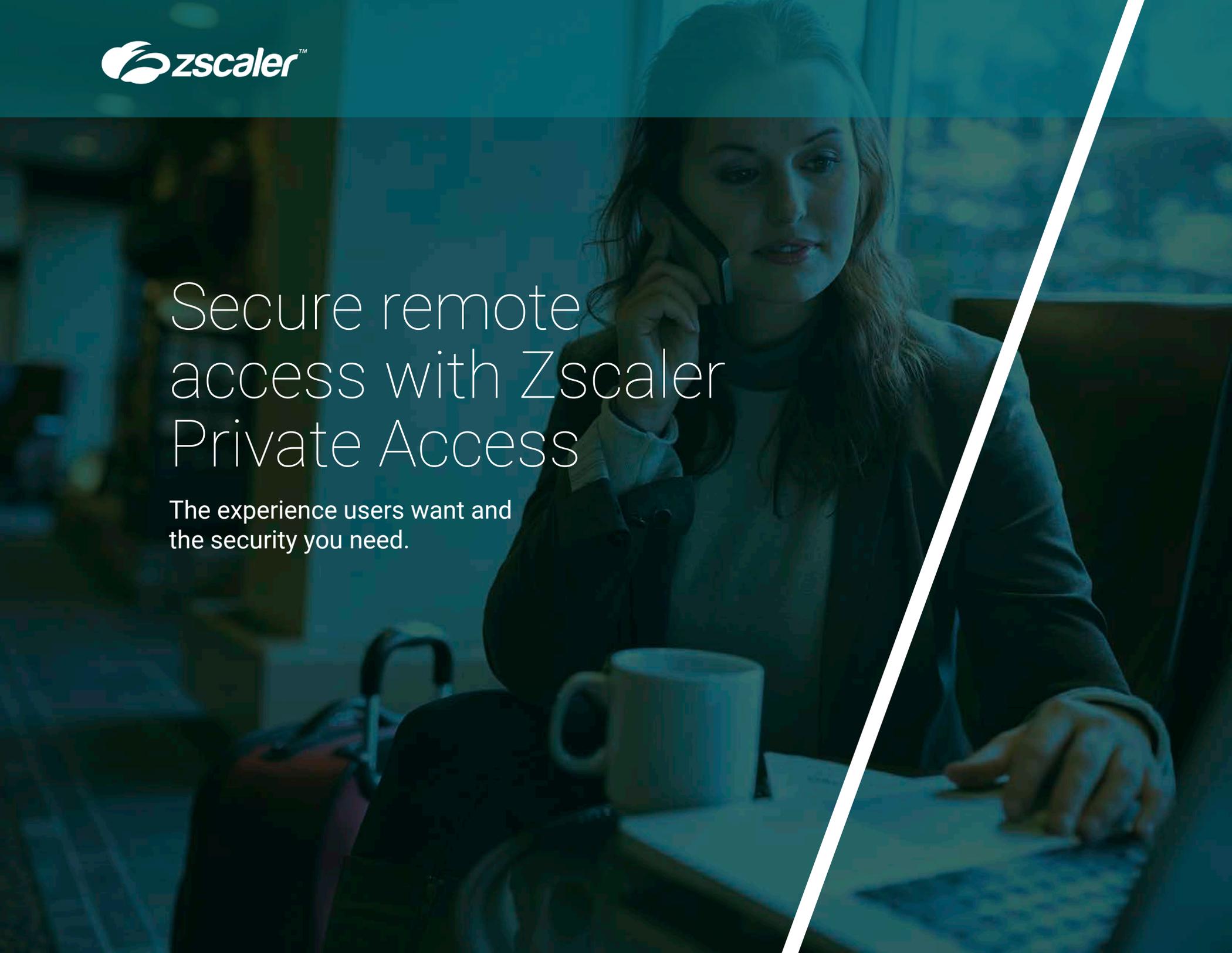




# Secure remote access with Zscaler Private Access

The experience users want and  
the security you need.



# Digital transformation within the enterprise

The adoption of cloud, driven in large part by IT leaders looking to maximize value, is one of the largest transformations IT has ever seen. Now, internal applications that once ran solely in the data center, are being migrated to Azure, AWS, and Google Cloud Platform. Remote users are accessing internal applications from their favorite cafés and on multiple devices, expecting a seamless, cloud-like experience each time.



Google Cloud Platform

So why do enterprises still rely on incumbent technology that depends on the use of appliances anchored to the data center? It's simply because there's been no viable alternative. Until now.



# Data center reliance breaks cloud and mobility

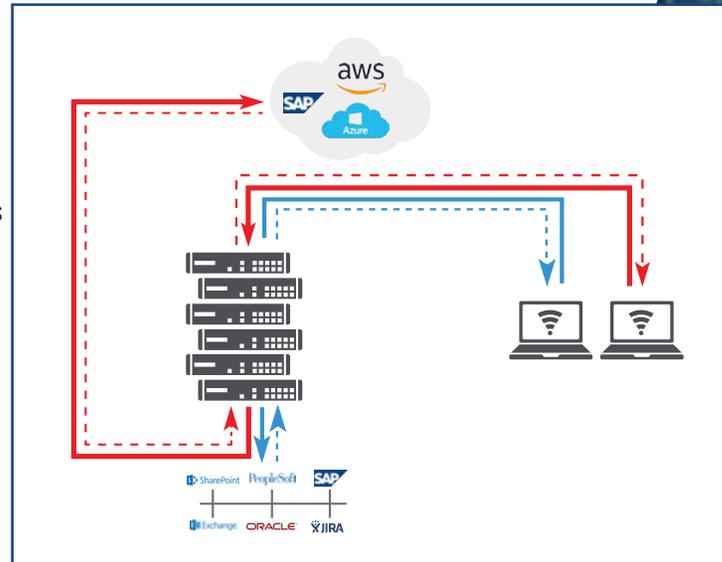
Since the 1990s, enterprises have relied on appliance-based remote access VPN technology to allow remote employees to access the corporate network. This technology requires user traffic to be backhauled to a data center, where the apps resided. It was never ideal, typically resulting in a poor user experience, while driving up costs and placing users on the network, which could be risky.

Now applications are moving to the cloud, and users are accessing them from locations that may be an ocean away from the nearest data center. The once necessary VPN is even more complex and cumbersome, slowing an organization's ability to adopt cloud benefits and frustrating all parties involved.

## Top challenges of incumbent solutions

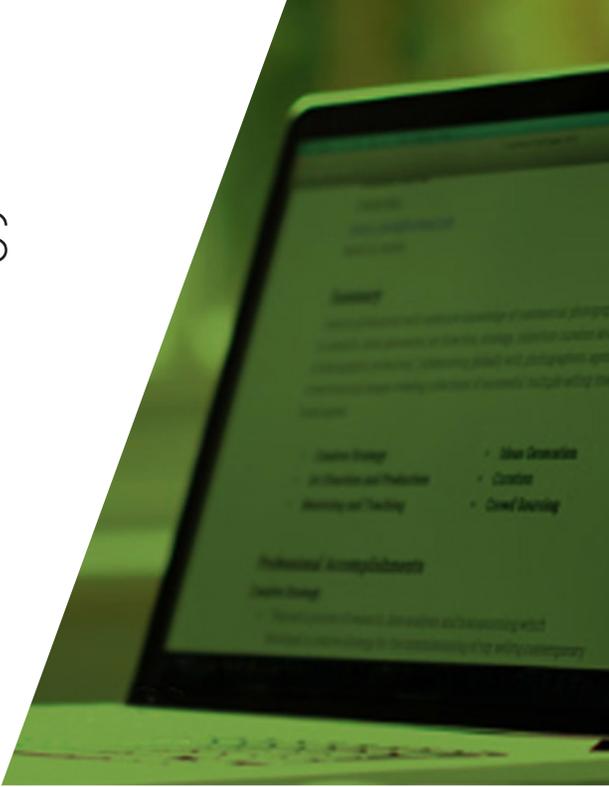
- 1 Poor user experience
- 2 Network complexity
- 3 Expensive to manage and scale
- 4 Users are on the network

To combat these challenges, enterprises must break free from the appliance-centric mindset to a cloud-first mentality.



# Enterprise transformation means remote access must evolve

Incumbent remote access technologies fail to enable enterprises to reap the benefits of cloud and mobility while still delivering the level of security they require. This inability means that remote access solutions must now adapt. There are three areas of transformation that serve as catalysts for a new approach to remote access.



## App Location

Applications that once ran only in the data center are now being migrated to cloud service providers.

## Network

The hub-and-spoke architecture has been replaced by the cloud, which routes users directly to their applications.

## Security

Building a perimeter around the network is no longer effective. Using cloud-based policies provides secure access to apps.





# Remote access in the modern world

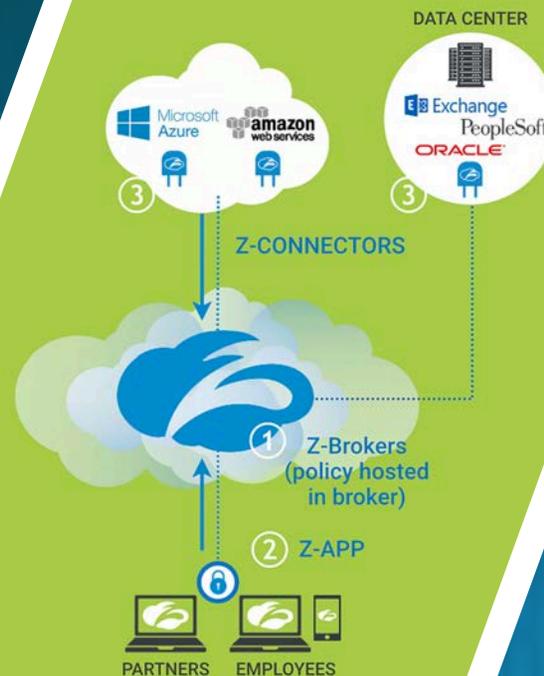
Whether apps are hosted in the data center or by public cloud providers like AWS and Azure, we believe that remote access should be based on four key security tenets. These tenets serve as the best-practice guidelines that all networking and security teams should consider when choosing a security service.

- 
- ① **Connect users to apps without bringing them on the network**
  - ② **Never expose applications to unauthorized users**
  - ③ **Segment apps without segmenting the network**
  - ④ **Provide remote access over the internet without VPN**

The combination of these four tenets sets ZPA apart from any other security service, enabling networking and security teams to eliminate the pitfalls of incumbent solutions.

# Zscaler Private Access: a revolution in secure remote access

Zscaler Private Access (ZPA™) is a cloud service from Zscaler that provides secure remote access to internal applications. The service uses a software-defined perimeter, not appliances, to give users the experience they want, and IT the security it needs.



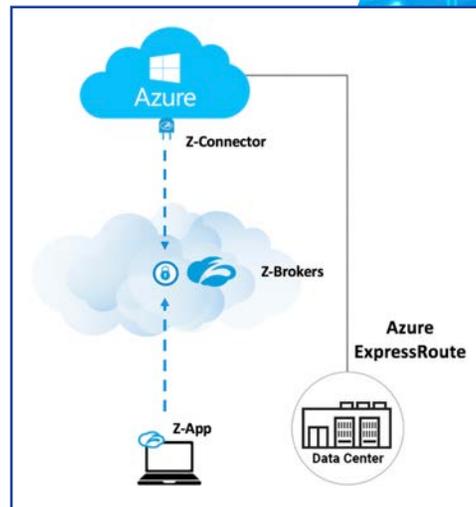
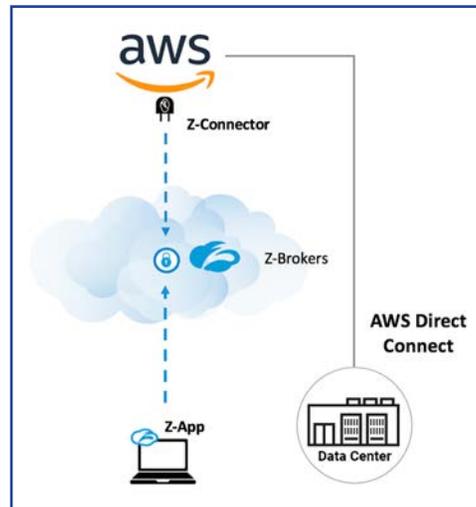
- 1 Z-Brokers (ZENs)** – secure user to app connection
- 2 Z-APP** – Installs on device and request access
- 3 Z-CONNECTOR** – sits in front of apps and establishes outbound connection to Zscaler cloud

You no longer have to choose between securing your applications, and delivering a cloud-like user experience.

# ZPA partners with top cloud service providers

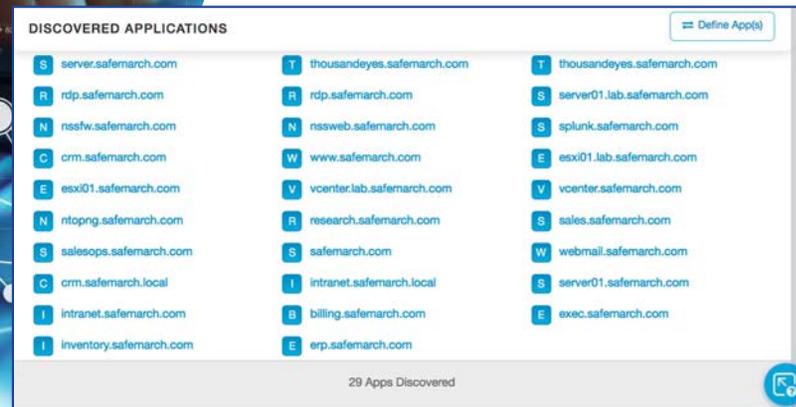
Our goal is to simplify the migration to cloud and to deliver faster, more secure remote access. We partnered with AWS and Azure to allow for secure remote access to internal applications hosted by these CSPs. ZPA works in tandem with direct access solutions, including AWS Direct Connect and Azure ExpressRoute, which provide direct access from the customer data center to the CSP's data centers.

The combined solutions enable a better remote user experience and optimize site-to-site bandwidth usage.



# Discover new applications and protect your environment

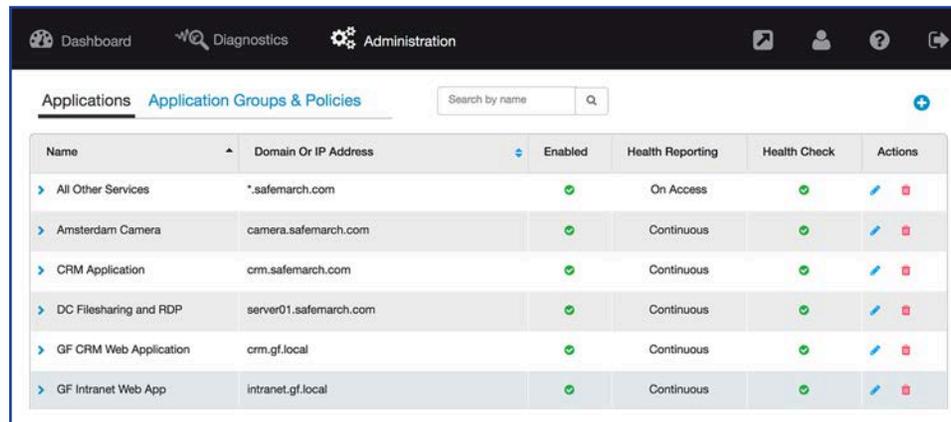
With the adoption of cloud, having visibility into the applications running in your environment has become even more important than before. Zscaler Private Access allows admins to identify previously undiscovered applications being used within their environments, and then apply granular, policy-based access controls to reduce shadow IT.



- 1 Discover** new applications
- 2 Identify** which users are accessing them
- 3 Define** policies for access
- 4 Reduce** attack surface

# Use policy-based access to simplify transformation

The simplicity of the cloud is now at the fingertips of IT administrators. ZPA allows admins to create custom policies on a per-app, per-user basis, at a global scale. Instead of having to go through the process of network segmentation, which can be complex, admins can use policies to segment access based on applications. This ensures that the enterprise remains in control, even in the midst of a changing IT environment.



The screenshot shows the 'Administration' section of the ZPA console, specifically the 'Application Groups & Policies' page. It features a search bar and a table with columns for Name, Domain Or IP Address, Enabled, Health Reporting, Health Check, and Actions. The table lists several applications, all of which are enabled and have continuous health reporting.

Name	Domain Or IP Address	Enabled	Health Reporting	Health Check	Actions
> All Other Services	*.safemarch.com	✓	On Access	✓	✎ ✖
> Amsterdam Camera	camera.safemarch.com	✓	Continuous	✓	✎ ✖
> CRM Application	crm.safemarch.com	✓	Continuous	✓	✎ ✖
> DC Filesharing and RDP	server01.safemarch.com	✓	Continuous	✓	✎ ✖
> GF CRM Web Application	crm.gf.local	✓	Continuous	✓	✎ ✖
> GF Intranet Web App	intranet.gf.local	✓	Continuous	✓	✎ ✖

- 1 Create and define custom policies
- 2 Set permission levels for users
- 3 Apply permissions to specific apps
- 4 Manage and update policies

“Zscaler Private Access gives users the choice and the benefit of secure connectivity for any authorized user to business applications over any internet connection and remote access points as if it were a SaaS application.”

- Yousef Khalidi,  
Corporate Vice President,  
Microsoft Azure Networking,  
Microsoft Corp

# Enterprise benefits of ZPA

ZPA is enabling enterprise teams to meet business goals, while delivering the experience remote users want, and getting the security that IT needs.



### Experience

- Fast, direct access to apps
- No need to fire up a VPN
- Cloud-like user experience



### Security

- Users never on network
- No lateral access to apps
- Visibility into user activity



### Value

- No hardware appliances
- Less inbound service spend
- Reduce bandwidth use



### Simplicity

- Simple implementation
- Access from any device
- No network segmentation



# Enable key enterprise initiatives

The best security solutions are enablers of enterprise initiatives, not barriers. Zscaler Private Access allows enterprises to evolve without having to deal with network and security complexity. Whether digitally transforming or simply replacing incumbent technology, ZPA is being used in a variety of common enterprise use cases.

## Transformation



### **CLOUD APP ACCESS**

ZPA provides secure remote access to internal applications migrated from the data center to the cloud.



### **M&A**

As enterprises merge, ZPA provides secure access without need to converge networks and IP addresses.



### **PARTNER ACCESS**

ZPA delivers secure, third-party access to apps for contractors, partners, or healthcare workers based on policies.

## Replacement



### **VPN RETIREMENT**

With ZPA, enterprises can retire their remote access VPNs and deliver a better user experience, more security, with lower costs and less complexity.

# Learn more about Zscaler Private Access

**Visit our ZPA website page**  
[zscaler.com/products/zscaler-private-access](https://zscaler.com/products/zscaler-private-access)

**Request a live demo of ZPA**  
Contact our sales team at [sales@zscaler.com](mailto:sales@zscaler.com)

**zscaler.com**

