



# ZPA Private Service Edge on Equinix Network Edge

ZPA Private Service Edge on Equinix Network Edge delivers zero trust access to private applications delivered on-premises for remote and in-office users, IoT/OT devices, and servers with reduced latency and the shortest path to connectivity. The solution extends Zscaler Private Access (ZPA) to Equinix Fabric with the security, visibility, and control that business-critical applications demand. ZPA is the world's most deployed ZTNA platform, applying the principles of least privilege to give users, IoT/OT devices, and servers secure, direct connectivity to private applications running on-prem or in the public cloud while eliminating unauthorized access and lateral movement.

In exploring secure private access, many organizations have adopted ZPA Private Service Edge (PSE), in which a localized version of ZPA is deployed within the customer's data center. Now, Zscaler and Equinix bring the ZPA PSE service on Equinix Network Edge, which is hosted by Equinix and delivered by Zscaler. ZPA Private Service Edge can be deployed on Equinix Network Edge via portal, APIs, or Terraform in minutes—not months—with the speed that modern infrastructure operations require.

## The Challenge

- **Legacy architectures can't scale or deliver a fast, seamless user experience**  
VPNs require backhauling, which introduces cost, complexity, and latency.
- **Traditional firewalls, VPNs, and private apps create a massive attack surface**  
Attackers can see and exploit vulnerable, externally-exposed resources.
- **Lack of least-privileged access allows free lateral movement**  
VPNs put users on your network, giving attackers easy access to sensitive data.
- **Poor application performance**  
Users frequently encounter challenges related to suboptimal application performance due to high latency.
- **High CAPEX spending**  
Customers want flexible, 'as-a-service' consumption models that don't tie them down to large CAPEX spend that comes with owning hardware.

## The Solution

ZPA PSE is a service that supports localized brokering in the same customer environment where private applications are hosted. The ZPA on-premises service enforces policies and stitches together the connection between an authorized user and a specific private application. When branch users or home office users are looking to access an application that is running on-premises, the connection between the user and the application is made with ZPA PSE which is the shortest path to connectivity.

ZPA PSE manages the connections between a Zscaler Client Connector for remote or branch users, a Zscaler Branch Connector for IoT/OT devices or servers, and the App Connector. ZPA PSE deploys as a lightweight virtual machine/RPM that is installed by customers within their own network environments. Once set up, ZPA Private Service Edge works in the same way as the ZPA cloud service.

Zscaler ZPA PSE is an easy-to-deploy solution delivered directly from the Equinix Fabric Portal. Deploying ZPA PSE on Equinix Network Edge avoids hardware installations, high fixed costs, and physical equipment upgrades. The simple configuration through the automated workflow allows customers to quickly deploy devices in a flexible pay-as-you-go model and immediately access Equinix's ecosystem of thousands of clouds, networks, and other service providers.

Customers can also deploy an instance of App Connector in Equinix Network Edge and send traffic to Zscaler Public Service Edge for securing private application traffic.

## Zscaler Private Service Edge on Equinix Network Edge Use Cases

### Optimize connectivity

Minimize the impact on application performance by eliminating the need to incur additional hops. Host PSE and App Connector closer to your applications to reduce latency and improve user experience.

### Regulatory compliance

ZPA PSE allows customers to comply with in-country industry regulations by running locally and handling all brokering within the customer's own environment. Broker traffic in-country to comply with data governance regulations.

### Disaster recovery

By hosting PSE and App Connectors in Equinix Network Edge, customers can ensure uninterrupted business continuity during blackouts, brownouts, and black swan events.

### Global reachability

Extends ZPA capabilities to more regions globally.

## The Benefits of Zscaler Private Service Edge on Equinix Network Edge

### Deliver a superior user experience

Connecting users directly to private apps eliminates slow, costly backhauling over legacy VPNs while continuously monitoring and proactively resolving user experience issues.

### Minimize lateral movement

Applications are made invisible to the internet and unauthorized users, and IPs are never exposed using inside-out connection.

### Enforce least-privileged access

Application access is determined by identity and context—not an IP address—and users are never put on the network for access.

### Stop attacks with complete inspection

Private app traffic is inspected in line to prevent the most prevalent web attack technique.

### Support expansion strategies

Build virtual infrastructure at scale to match opportunity in the 32 global locations where Equinix Network Edge is available today.

### Improve application performance

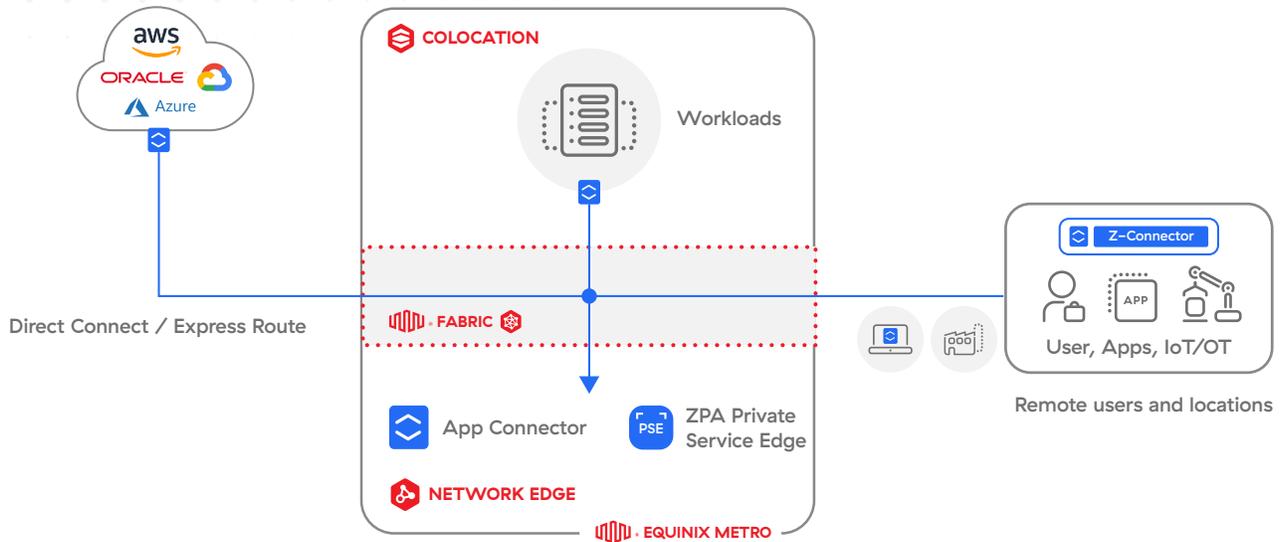
Enhance application performance by implementing a low-latency network that is close to applications and users.

### Achieve faster time to market

Available in minutes vs. months through automated network configurations.

### Access digital ecosystems

Including clouds, networks, and digital supply chains.



## Zero Trust Network Access for Users, IoT/OT Devices, and Servers

For remote or in-office users, IoT/OT devices and servers at the branch location looking to access applications that are running on-premises or in public clouds, it does not make sense for traffic to first go out to a ZPA public broker, then back into the application running locally. ZPA Private Service Edge on Equinix Network Edge provides local brokering between users, IoT/OT devices, or servers and on-prem applications, which creates a faster experience, less complexity for network admins, and less risk for business data by enabling least-privileged access.

For more in-depth information about ZPA Private Service Edge on Equinix Network Edge, please see the following resources:

**Sign-up for a free 14-day trial of Equinix Network Edge:**

[fabric.equinix.com/home/user/register](https://fabric.equinix.com/home/user/register)

**Webpage for Zscaler and Equinix solution:**

[www.zscaler.com/partners/equinix](https://www.zscaler.com/partners/equinix)

### About Equinix

Equinix (Nasdaq: EQIX) is the world's digital infrastructure company®. Digital leaders harness Equinix's trusted platform to bring together and interconnect foundational infrastructure at software speed. Equinix enables organizations to access all the right places, partners and possibilities to scale with agility, speed the launch of digital services, deliver world-class experiences and multiply their value, while supporting their sustainability goals.



**zscaler** | Experience your world, secured.™

### About Zscaler

Zscaler (NASDAQ: ZS) accelerates digital transformation so that customers can be more agile, efficient, resilient, and secure. The Zscaler Zero Trust Exchange protects thousands of customers from cyberattacks and data loss by securely connecting users, devices, and applications in any location. Distributed across more than 150 data centers globally, the SSE-based Zero Trust Exchange is the world's largest inline cloud security platform. Learn more at [zscaler.com](https://zscaler.com) or follow us on Twitter @zscaler.

© 2023 Zscaler, Inc. All rights reserved. Zscaler™, Zero Trust Exchange™, Zscaler Internet Access™, ZIA™, Zscaler Private Access™, and ZPA™ are either (i) registered trademarks or service marks or (ii) trademarks or service marks of Zscaler, Inc. in the United States and/or other countries. Any other trademarks are the properties of their respective owners.