Migrating to Zero Trust Network Access (ZTNA)

Leveraging Netskope Private Access

As with many modern technologies, network and security teams are being forced to converge to facilitate their organization's digital transformation journey. With an ever-growing remote workforce, they are required to provide easy and reliable access to their user community, while adhering to security and privacy mandates to contract access. Legacy virtual private network (VPN) technology fails to accommodate these demands.

<Enter>
Zero Trust Network Access

ZTNA is a driver for convergence across security, network and infrastructure teams and is an important organizational step toward increasing the maturity of organization's zero trust initiatives. According to Gartner: "When combined with SWG and CASB offerings, ZTNA forms one of the key technological underpinnings of the emerging SSE market."[1]

Whether your organization is considering a transformation to ZTNA or already have a solution in place, Cloudrise can assist with developing a migration roadmap, deploying the ZTNA technology, integrating into your ecosystem, and building and managing an overarching data protection program.

1. https://www.gartner.com/doc/reprints?id=1-29XM6YV7&ct=220502&st=sb
2. https://www.illumio.com/cybersecurity-101/ztna

Typical Client Challenges

- VPNs assume implicit trust and **give users too much access** to our critical resources.

- **Providing network access is too broad and risky** – we want to be able to secure down to the application level.

- **Almost our entire workforce is remote** – they demand a seamless end-user experience for accessing apps in both our data centers and in the cloud.

- **Collaboration is key** with clients and partners alike. We need the ability to provide secure and seamless third-party access we can trust.

- There is **M&A activity** on our horizon – we need to provide access to key environments on day zero.

- Our IT teams are converging, so our tech stack should too. We want to aim for a **"single pane of glass"** to manage our core security tools wherever possible.

- We need to **keep our VPN around for a while**, incrementally introducing ZTNA to the business and – hopefully – finding some quick wins.

- **Talent is scarce** and ZTNA technology will enable us to work with a third-party security services provider to manage day-in and day-out.

"Cybercrime is expected to cost society upwards of $6 trillion annually. IT departments today are responsible for managing a substantially larger attack surface than ever before. This is where ZTNA comes in."[2]

Benefits of ZTNA

Access can be coupled to users, applications, and services, as opposed to the entire network.

User behavior is used to derive application access decisions for both sanctioned and unsanctioned devices.

The attack surface and network exposure to infection or access by compromised devices is reduced.

Private resources remain hidden and shielded from discovery and attacks.

ZTNA rounds out Secure (Access) Service Edge (SASE/SSE) technologies, such as Netskope, enabling organizations to manage network and security from a single tool.

How to Accelerate Value from your ZTNA Technology

Whether you want to take a crawl-walk-run approach, or go for maximum value out of the gate, Cloudrise can assist with developing a plan to meet your business needs.

EXAMPLE:

Maximum Value

<< Previous Tiers

+ Full VPN replacement

+ Active metrics & reporting adoption

Accelerated Value

<< Previous Tier

+ Vendor, contractor & other third-party access

+ M&A access

+ Advanced policies via device posture based on access & granular individual user/group access
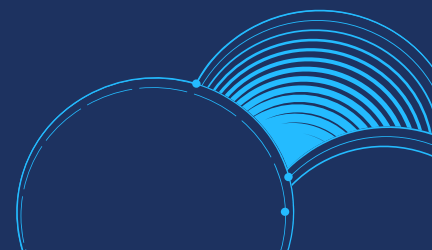
Minimally Viable

Migrate targeted use cases:

- Enterprise access to apps
- DevOps tools
- Remote workforce access
- SSH/RDP access

Cloudrise security services enable organizations to accelerate value from their ZTNA deployment

Our Approach

Establish the Right Team. By bringing the right stakeholders together from the beginning, we can assist with identifying initial use case(s), selecting the right technology, and establishing goals for your over-arching program.

Plan. We start by determining what apps need to be published and where publishers need to be deployed. App connectivity will be tested in order to baseline the existing VPN solution and an implementation plan will be created based on our findings.

Design and Deploy. Based on discovery and planning, we will design and deploy Netskope Private Access publishers and connect to in-scope private applications. We will build Private Access policies in the Netskope tenant, incorporating efficiencies and industry and regulatory best practices.

Integrate and Optimize. We will support your ZTNA expansion plans and will assist in establishing the necessary integrations with your broader ecosystem, such as SD-WAN, IAM, security ops, threat intel, endpoint security, key manager, IDS/IPS, etc.

Manage and Expand. We will continuously optimize your NPA deployment on an ongoing basis for greater accuracy and business alignment. Risk-based reporting across your entire Netskope deployment will be provided, and we will leverage leading practices from similar industries and regulatory environments. Finally, based on your business goals, we will work with you to continuously increase the value from your broader Netskope deployment.

Cloudrise Subscription Services for NPA

Deploy & Manage Netskope Private Access				
< 1K Users	**1,001 – 2.5K Users**	**2,501 – 5K Users**	**5,001 – 10K Users**	**10,001 – 50K Users**
Includes up to: • 5 NPA private apps • 2 NPA publishers • 5 NPA policies • 1 production pilot group	Includes up to: • 8 NPA private apps • 4 NPA publishers • 8 NPA policies • 1 production pilot group	Includes up to: • 10 NPA private apps • 6 NPA publishers • 10 NPA policies • 2 production pilot groups	Includes up to: • 20 NPA private apps • 8 NPA publishers • 20 NPA policies • 4 production pilot groups	Includes up to: • 50 NPA private apps • 12 NPA publishers • 50 NPA policies • 5 production pilot groups

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