

Network Infrastructure On-Demand

Industry's only solution with single-click provisioning of the entire global multi-cloud network and network services. Connect remote users, on-premises sites and public clouds together, while cutting provisioning time from months to minutes



Table of Contents:

Key Challenges in a Cloud-First World	03
Alkira Platform: Cloud Network Fabric For Cloud Connectivity	05
Use Case: Connecting Cloud, Edge, and Data Center	06
Use Case: Connecting Multi-Region and Multicloud Connectivity	08
Use Case: Regional SaaS, Internet, and Partner/Extranet Access	09
Use Case: Zero-Trust Segmentation and Consistent Global Policy	10
Getting Started: Standing Up a Global, On-Demand Cloud Network with Alkira	11
Enterprise Outcomes & Benefits	12
Summary	13

Alkira Terminology

Cloud Exchange Point (CXP): A fully virtualized Point of Presence (PoP) delivering an entire network stack with integrated security and network services.

Connector: A termination point connecting on-premises and cloud networks.



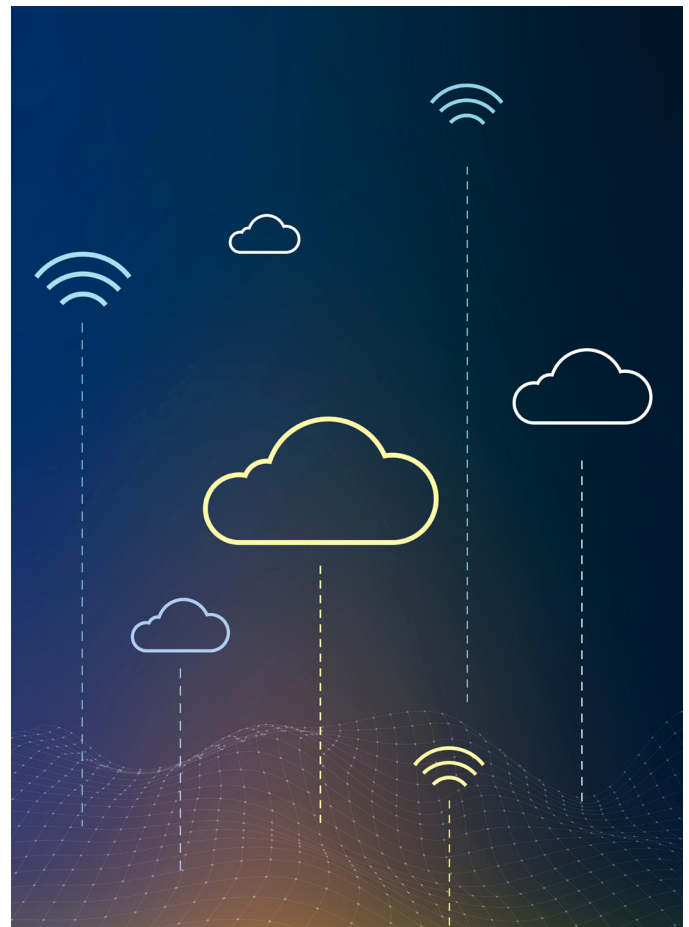
Cloud adoption continues to accelerate. Organizations are increasingly transitioning business critical applications from on-premise data centers to the public cloud and SaaS environments.

Key Challenges in a Cloud-First World

While compute and storage have evolved to cloud-native, on-demand services, networking remains fragmented and manual. Building a network for the cloud introduces three core challenges:

- **Slow responsiveness** due to complex architectures and lack of cloud networking expertise.
- **Visibility and governance gaps** from siloed cloud environments and no unified control plane.
- **High TCO** from DIY builds, manual ops, and overprovisioned infrastructure.

Enterprise networks must match the cloud's agility, scale, and simplicity—especially in the AI era.



Alkira Network Infrastructure as-a-Service delivers single-click provisioning for global multi-region, multicloud connectivity and services—reducing deployment time from months to minutes.



Alkira Platform: Cloud Network Fabric For Cloud Connectivity

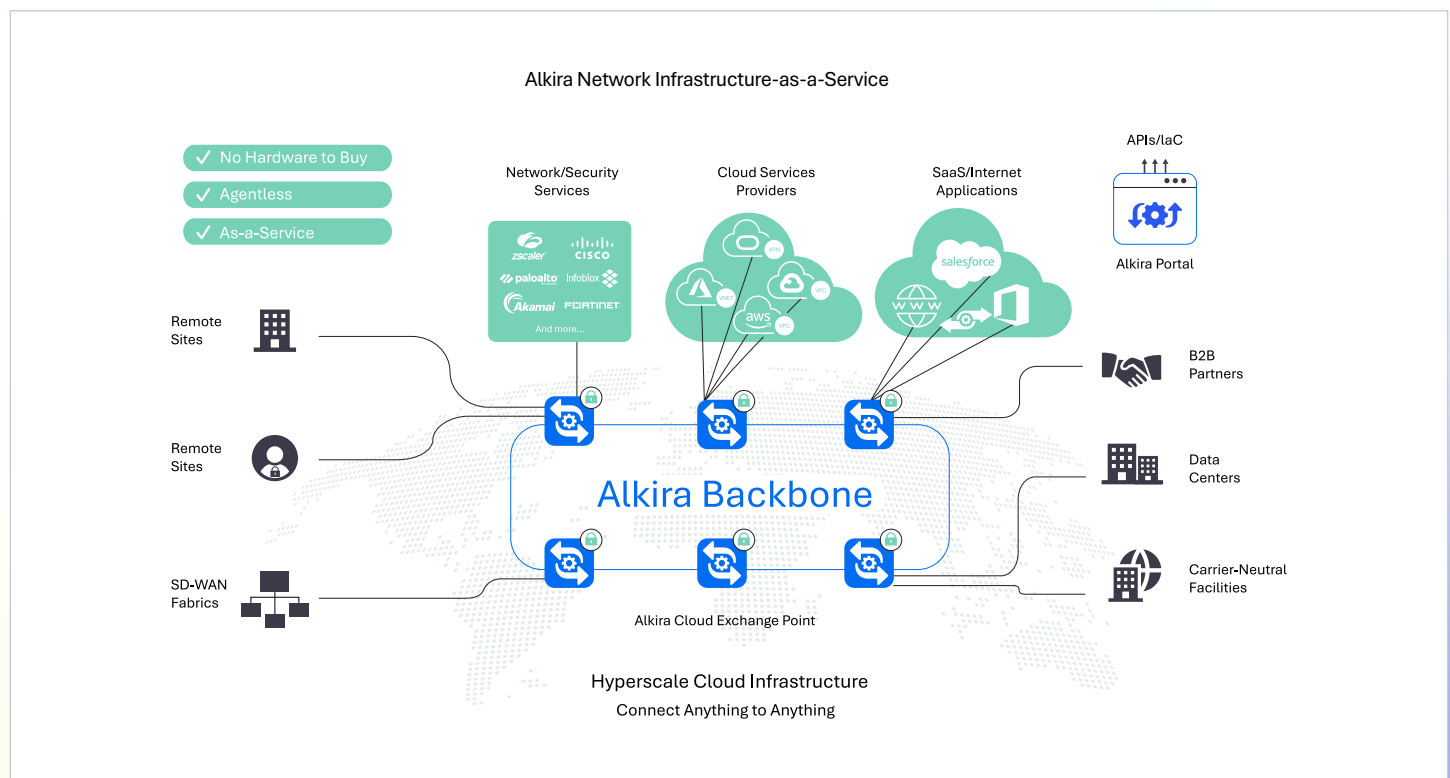
Alkira Network Infrastructure as-a-Service (NlaaS) delivers a unified, cloud-native backbone that connects users, sites, data centers, and clouds with one-click simplicity. At the heart of this platform are Alkira Cloud Exchange Points™ (CXPs)—globally distributed, fully managed points of presence that deliver integrated routing, network services, and built-in security.

Enterprises connect to their nearest CXP—via Internet, SD-WAN, Direct Connect, or colocation—to instantly join a high-performance multicloud network with consistent segmentation and zero-trust policy enforcement.

Alkira’s modern, visual portal abstracts away underlying complexity, enabling rapid design, provisioning, and operations across any cloud, region, or network domain—without deploying hardware or managing cloud-native constructs.

“The network must evolve—just like compute and storage did. It’s time to make networking cloud-native, on-demand, and built for scale.”

Read a white paper by Atif Khan, Alkira Founder and CTO.



Use Case: Connecting Cloud, Edge, and Data Center

Connect Users and Sites to Public Clouds

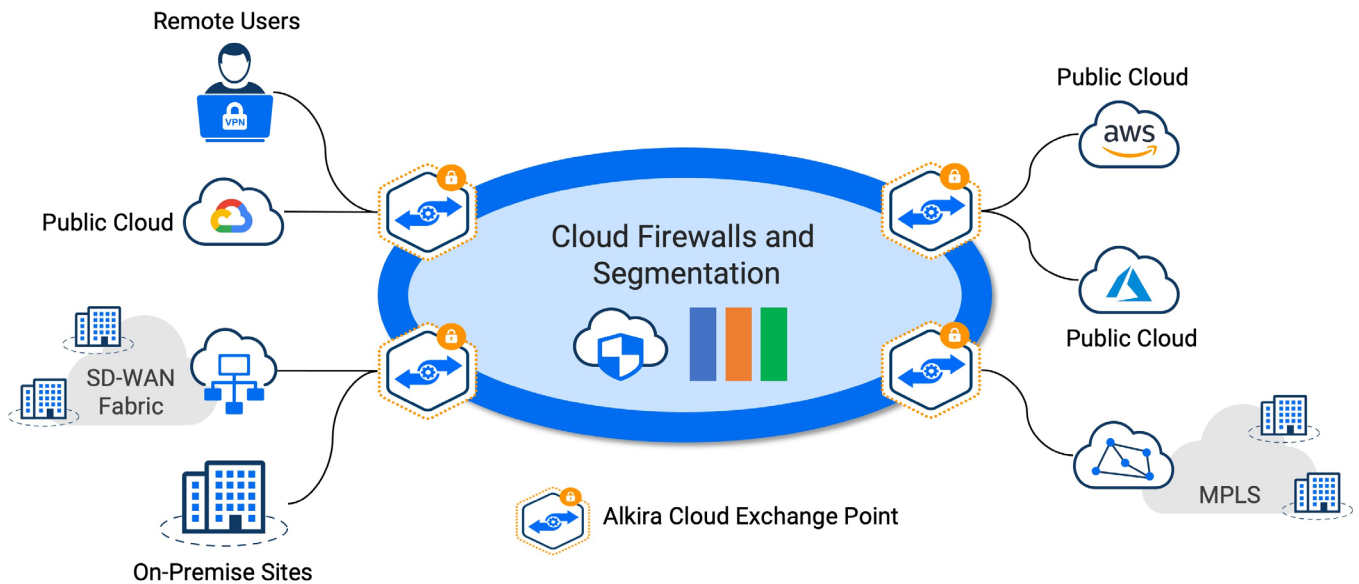
Alkira's global, cloud-native backbone delivers high-speed, low-latency connectivity between remote users, on-premises sites, and cloud environments—including AWS, Azure, and Google Cloud—across any region.

- **Remote Access with Zero Trust:** Remote users connect via Alkira's elastic Zero Trust Network Access (ZTNA). SSL VPNs land at the nearest Alkira Cloud Exchange Point™ (CXP), where policy enforcement and segmentation occur—minimizing last-mile latency and improving performance.
- **On-Prem to Cloud, Simplified:** Sites connect via IPsec tunnels or SD-WAN with zero-touch provisioning. Alkira auto-generates device configs and terminates connections at the nearest CXP—no cloud-specific expertise required.
- **Hybrid WAN or MPLS Replacement:** Alkira seamlessly integrates with existing MPLS for regional handoffs—or fully replaces long-haul MPLS with a global, high-performance backbone. Encrypted tunnels connect sites to the nearest CXP, delivering the same reliability with greater agility and cloud reach.
- **Multi-Vendor SD-WAN Integration:** Alkira natively integrates with any SD-WAN, unifying multiple fabrics and vendors. It preserves segmentation end-to-end and accelerates M&A, divestitures, or rapid edge expansion.
- **Colo Optional, Cloud-Native by Design:** Alkira eliminates the need for physical colocation hubs by delivering direct cloud and site connectivity through its global cloud-native backbone. For organizations still leveraging colos, Alkira integrates easily with AWS Direct Connect and similar services—but unlike traditional approaches, no physical cross-connects or carrier contracts are required.

With Alkira, cloud and site connectivity becomes elastic, secure, and provisioned in minutes—no hardware, no rearchitecting.



Users, Sites and Public Clouds



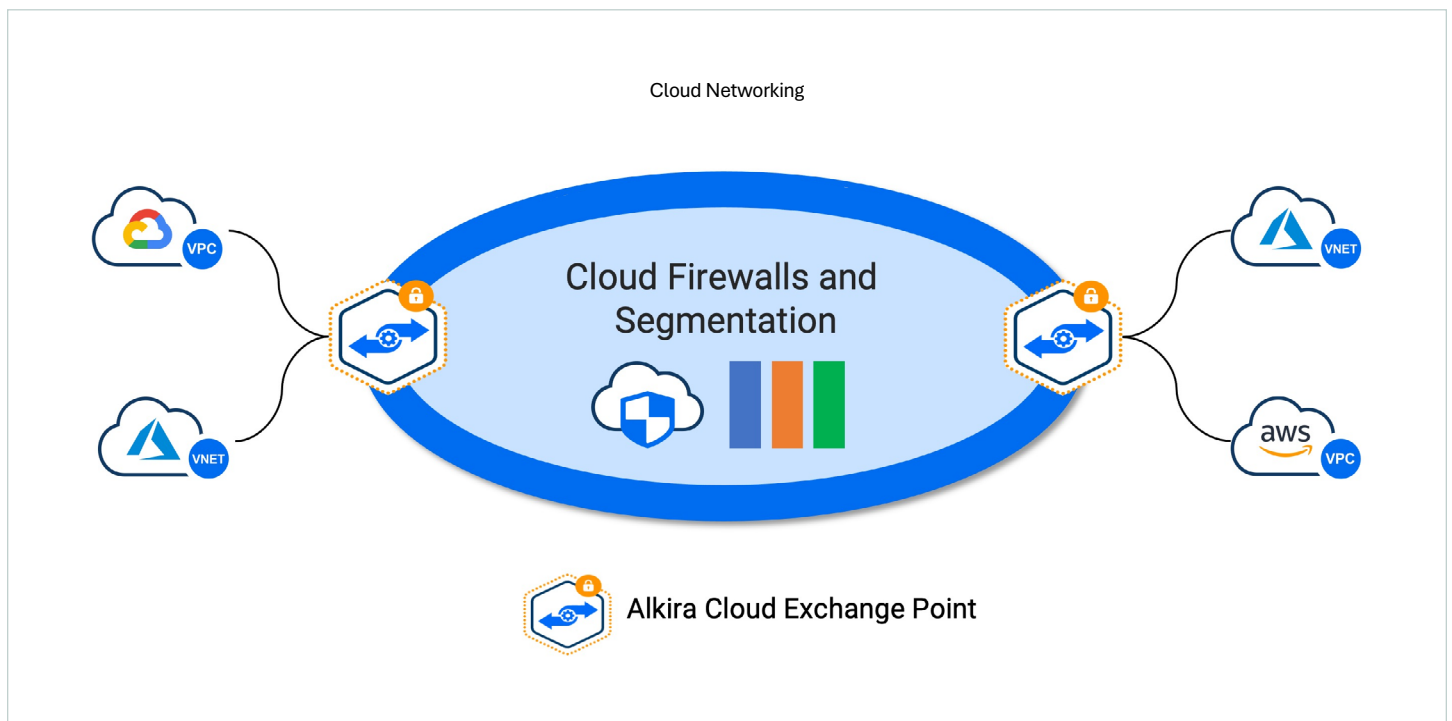
Organizations can connect remote users, on-prem sites, and public clouds simultaneously—using any mix of VPN, SD-WAN, or direct internet. Alkira enforces consistent security across all paths with built-in encryption, end-to-end segmentation, and integrated firewall insertion at every Cloud Exchange Point™

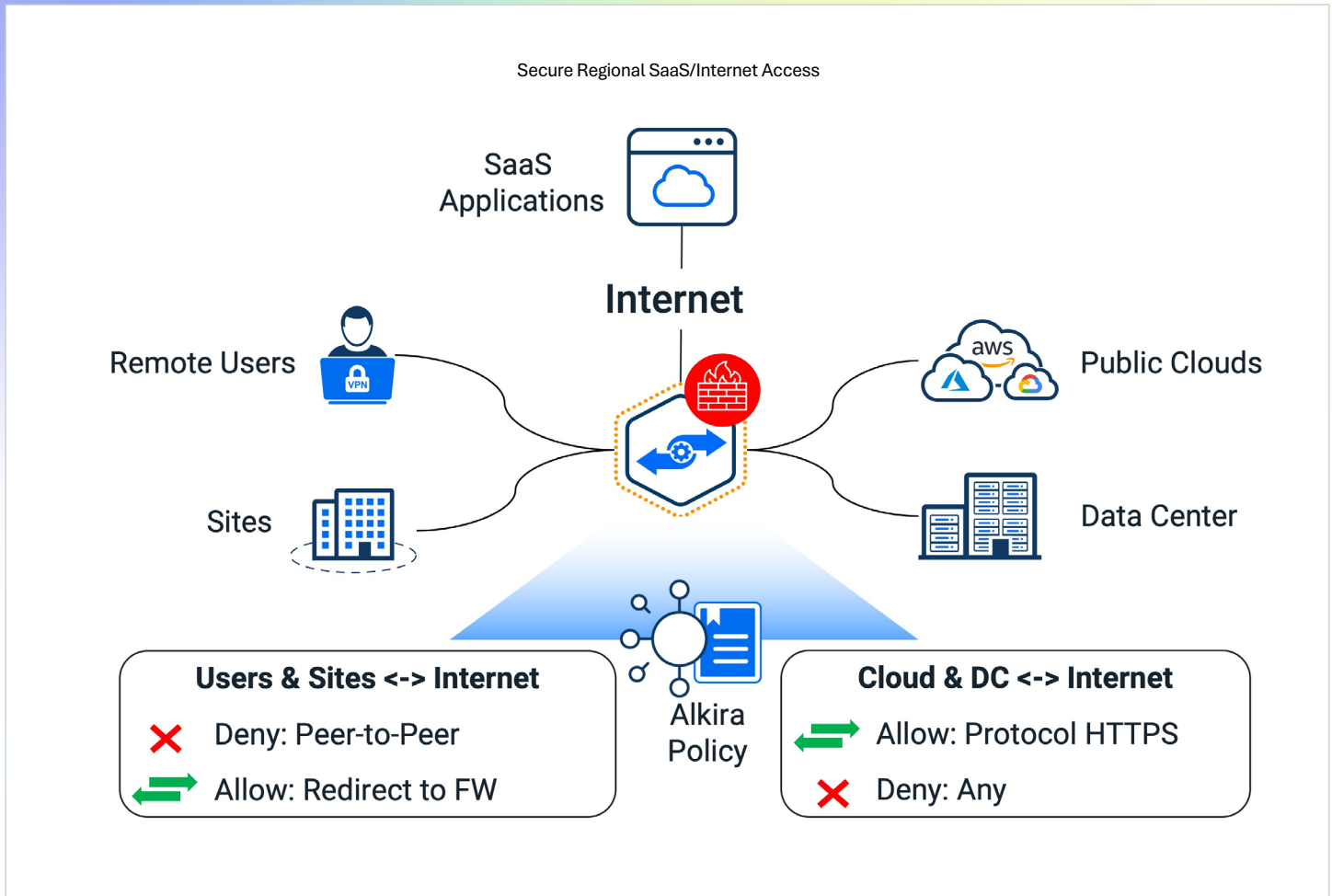


Use Case: Connecting Multi-Region & Multicloud

Alkira provides a global, high-performance network fabric that seamlessly connects cloud workloads across any region, cloud provider, or account—without manual peering or complex routing.

- Automatically discovers Cloud Service Providers (CSPs) network constructs (e.g., AWS VPCs, Azure VNets, and GCP VPCs) via cloud credentials. Admins simply select which instances to connect—no cloud-specific expertise required.
 - Instantly provisions full mesh connectivity across selected cloud regions and providers. Network reachability is distributed automatically—no BGP tuning or route tables to manage.
 - Insert advanced network services—such as stateful firewalls—into traffic flows across or within clouds using Alkira’s intent-based policies.
- With Alkira, multicloud and multi-region networking becomes cloud-native and provisioned in minutes, reducing much of the operational complexity network teams traditionally face.





Use Case: Secure Regional SaaS, Internet, and Partner/Extranet Access

Alkira provides distributed Internet and SaaS exit points across its global backbone, enabling direct, low-latency access for users, sites, and cloud workloads—without backhauling through a data center.

- Internet access is delivered at the nearest Alkira Cloud Exchange Point™, improving performance and eliminating bottlenecks.
- Intent-based policies and deep packet inspection (DPI) enforce application-aware security—blocking non-business traffic and redirecting flows to integrated next-gen firewalls when needed.
- Support extranet and partner access via segmented, policy-enforced connectivity—without building dedicated infrastructure.

With Alkira, organizations gain secure, optimized Internet and SaaS access—natively embedded in the network and governed from a single control plane.



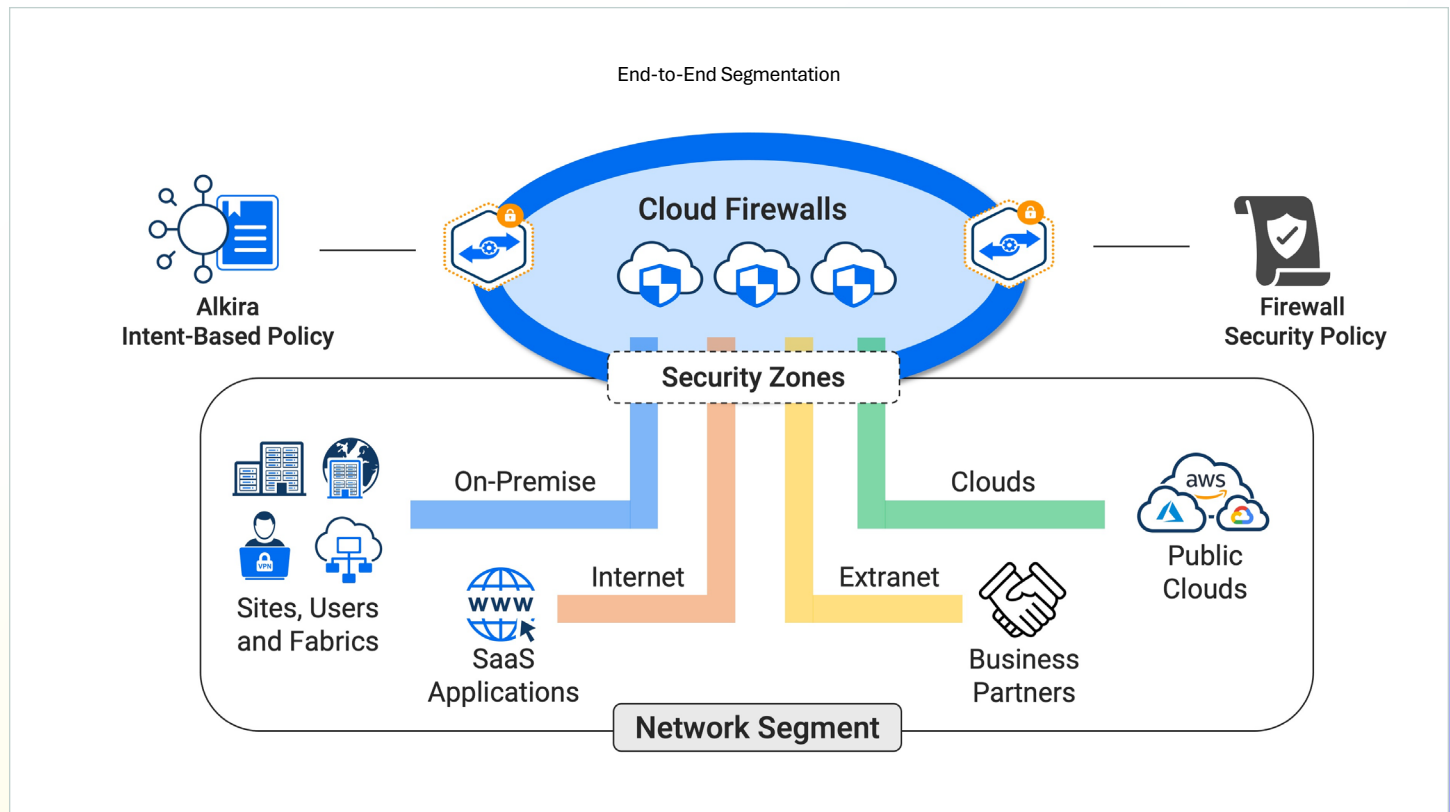
Use Case: Zero-Trust Segmentation and Consistent Global Policy

Alkira enables end-to-end segmentation across users, sites, clouds, services, and SaaS access—enforced globally through intent-based policy. Each segment is fully isolated, spanning Alkira’s global backbone, with optional inter-segment access for scenarios like M&A, partner connectivity, or shared services.

- Extend existing SD-WAN segmentation into Alkira to maintain policy continuity—even across fragmented or multi-vendor deployments.

- Insert services like next-gen firewalls at the segment level for deep inspection within or across zones (micro- or cross-segmentation).
- Define segmentation once, apply it everywhere—no re-configuration required as new sites or clouds are added.

Alkira makes global zero-trust enforcement operationally simple and elastically scalable.



Getting Started: Standing Up a Global, On-Demand Cloud Network with Alkira

Step 1: Register and Launch

Getting started takes just minutes.

- Visit alkira.com and register your organization.
- Confirm your account and log into the Alkira Portal to begin designing your global cloud network.

Step 2: Design with Point-and-Click Simplicity

Your entire global cloud network is modeled visually—no hardware to install, no cloud constructs to learn.

- **Drop Locations on the Map:** Choose regions where you need presence. Alkira Cloud Exchange Points™ (CXPs) are globally distributed, ensuring proximity to cloud regions and edge sites.
- **Connect Public Clouds Instantly:** Alkira auto-discovers CSPs network constructs (e.g., AWS VPCs, Azure VNets, GCP VPCs). Select the instances you want to connect—Alkira handles the routing and reachability.
- **Onboard Sites and Users Securely:** Remote users and on-prem sites (branches, campuses, colos, DCs) connect via SSL, IPsec, SD-WAN, or AWS Direct Connect. Alkira automatically terminates these at the nearest CXP for optimal performance and policy enforcement.

- **Add SaaS/Internet Breakouts:** Enable regional Internet and SaaS access with built-in security—eliminating backhaul latency and DC bandwidth strain.
- **Segment Your Network:** Optionally define network segments for zero-trust isolation across users, clouds, and services. Extend existing SD-WAN segmentation seamlessly.

No manual configs. No cloud-native complexity. Just drag, drop, and define.

Step 3: Provision in One Click

Once your design is complete, launch it with a single click.

Alkira provisions all required infrastructure—routing, segmentation, cloud connectivity, and security services—based on your topology. Provisioning typically completes in under an hour.

Experience the power of Alkira Network Infrastructure as-a-Service—deploy your global, multi-cloud network in minutes with zero hardware, zero code, and full control.

Note: Alkira secure, cloud-native network fabric delivers high speed, secure and resilient connectivity between all global sites.





Enterprise Outcomes & Benefits

Alkira Network Infrastructure as-a-Service transforms networking and security from a bottleneck into a cloud-accelerated business enabler. Key outcomes include:

- **Cloud Speed:** Cut deployment time from months to minutes—fully aligned with business SLAs.
- **Global Performance:** High-bandwidth, low-latency connectivity across users, sites, public clouds (AWS, Azure, GCP, OCI), SaaS, and Internet.
- **Cloud-Native Architecture:** Eliminate cloud-native limitations with a unified multicloud overlay—no peering, no routing complexity.
- **Consistent Security:** Enforce global firewall policies and symmetric traffic control—across clouds, users, and regions.
- **Elastic Scale:** Dynamically support burst traffic, seasonal peaks, or large data migrations—without pre-provisioning.
- **Zero-Trust Segmentation:** Enforce end-to-end isolation across remote users, sites, clouds, services, and SaaS edges for compliance and security.
- **Consumption-Based Economics:** Pay only for what you use—network and services scale up or down with your needs.
- **Always-On Resilience:** Built-in high availability and uptime guarantees across the global fabric.





About Alkira

Alkira, a Lumen Connect solution, is the on-demand platform that connects every cloud, site, partner, and AI workload with agility and simplicity. No hardware to deploy, software to manage, or capacity planning required. The Alkira solution is trusted by Fortune 100 enterprises, leading system integrators, and global managed service providers. Learn more at alkira.com and follow us @alkiranet.

