

Alkira Solution Overview

Cloud adoption continues to accelerate. Organizations are increasingly transitioning business critical applications from on-premise data centers to one or multiple public cloud and SaaS environments. While compute, storage and applications have comprehensively evolved beyond virtualization and automation to simple as-a-service offerings, the network has not. Alkira® Network Cloud is industry's first solution offering global unified network infrastructure as-a-service. With Alkira, enterprises can have a consistent and significantly simplified experience deploying a global cloud backbone for end-to-end and any-to-any network connectivity across users, sites, and clouds with integrated network and security services, full day-2 operational visibility, advanced controls, and governance. The entire network is drawn on an intuitive design canvas, deployed in a single click and is ready in minutes!

Alkira Solution Highlights



Global End-to-End Network

The Alkira solution establishes a high speed, low latency global cloud backbone connecting together users, sites and clouds with strong encryption and end-to-end segmentation. Cloud networking capabilities provide single cloud and multi-cloud scalable network connectivity free of tedious DIY configuration and restrictive cloud limits.



Visibility, Control and Governance

The Alkira solution offers industry leading patent-pending visualization for end-to-end day-2 visibility, advanced controls, troubleshooting and governance, eliminating operational blind spots. Customers can gain comprehensive insights into application traffic flows, health and state of the network and network services, network routing and more, as well as troubleshoot connectivity and performance issues.



On-Demand Network and Security Services

The Alkira solution offers a network and security services marketplace with fully integrated provisioning and lifecycle management. The services auto-scale based on real-time capacity demand. Intelligent symmetric traffic steering ensures proper operation of stateful security services, such as Firewalls, in on-premise, hybrid-cloud and multi-cloud environments.



As-A-Service Consumption

The Alkira solution offers an intuitive point-and-click design canvas where customers can draw an entire global end-to-end network and provision it in one click. The Alkira solution is fully aligned with cloud consumption models, eliminating the need for high upfront costs. Customers can conveniently choose between pay-as-you-go (PAYG) and subscription or mix the two.

Alkira Cloud Services Exchange

The Alkira Cloud Services Exchange™ (Alkira CSX) serves as a foundation for Alkira Network Cloud. It consists of a highly available and resilient network of globally interconnected Alkira Cloud Exchange Points (Alkira CXPs), virtual multi-cloud points of presence with a full routing stack and network services capabilities, and an Alkira CSX Portal. Collectively, Alkira CXPs form a global unified network infrastructure delivered as-a-service and establish a global cloud backbone. Users, sites, data centers, regional SD-WAN fabrics, colocations, public clouds, network and security services, and SaaS/Internet exit points connect to the global cloud backbone through the geographically closest Alkira Cloud Exchange Point™. Integrated stateful security services, such as Palo Alto Networks VM-Series Firewalls, coupled with end-to-end segmentation capabilities offered by the Alkira CSX, allow enterprises to consistently secure on-premise, hybrid and multi-cloud environments. The Alkira Cloud Services Exchange Portal offers a modern graphical interface for all design, provisioning, and day-2 operational needs.



The Alkira CSX is built in the cloud and behaves like the cloud delivering agility and speed, on demand functionality, as-as-service consumption, and elastic scale up and scale down, all of which are synonymous with the cloud itself.

The Network. Reinvented for Cloud.™