



SOLUTION BRIEF

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Network Infrastructure On-Demand: Seamless Multi-Cloud Networking for Aruba EdgeConnect SD-WAN Deployments

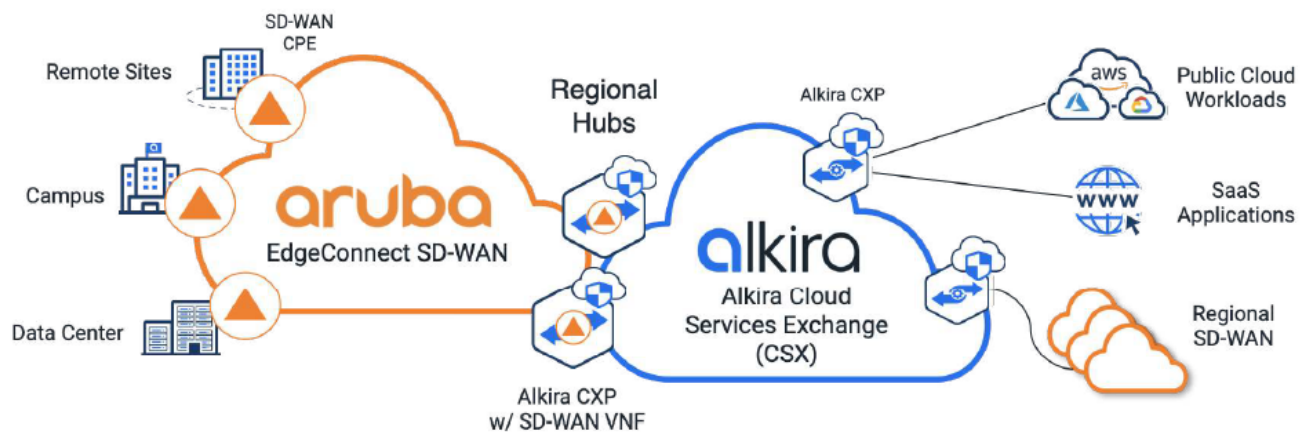
Transforming Enterprise Networking in the Cloud Era

Modern businesses can no longer tolerate networks that drag down AI and cloud initiatives. As enterprises embrace cloud adoption, they face significant challenges transitioning established networking models to new cloud infrastructure. The rigid nature of traditional private line networks like MPLS complicates transformation strategy and efficiency.

While SD-WAN platforms like Aruba EdgeConnect have emerged to secure and simplify edge-to-cloud connectivity, this only solves half the challenge. Enterprises still need advanced networking and security capabilities to support application transition from on-premises data centers to cloud, multi-cloud, and SaaS environments.

The Solution: Alkira Network Infrastructure On-Demand with Aruba EdgeConnect SD-WAN

Alkira's Network Infrastructure-as-a-Service accelerates cloud transition by enabling deployment and operation of enterprise-grade global high-speed cloud networks with end-to-end segmentation and integrated stateful security services. This revolutionary approach requires:





- ✓ No hardware to install
- ✓ No software to deploy
- ✓ No complex configurations
- ✓ No cloud expertise required
- ✓ No colocations to leverage

The joint solution leverages Alkira SD-WAN connectors to attach the Aruba EdgeConnect SD-WAN fabric to one or more geographically distributed Alkira Cloud Exchange Points (CXPs) - Alkira's multi-cloud virtual points of presence with advanced networking and security capabilities.

Key Capabilities



Seamless SD-WAN Integration

- ✓ Aruba EdgeConnect SD-WAN virtual appliances are redundantly instantiated by Alkira inside the CXPs
- ✓ Alkira deploys, connects, and monitors the Aruba EdgeConnect appliances
- ✓ Aruba Orchestrator accepts the new virtual appliances, applying necessary configurations
- ✓ Full support for EdgeConnect SD-WAN features including Aruba Boost WAN Optimization



End-to-End Segmentation

- ✓ Network segmentation defined by Business Intent Overlays (BIOs) extends through Alkira
- ✓ Application traffic can be further segregated into micro-segments for granular security controls
- ✓ Support for cross-segment communication between different SD-WAN environments and cloud applications
- ✓ NAT capabilities resolve IP address conflicts in cases of SD-WAN overlapping addresses



Regional SD-WAN Optimization

- ✓ Multiple Aruba EdgeConnect SD-WAN fabrics can attach to their closest Alkira CXPs
- ✓ Regional SD-WAN fabrics interconnect through high-bandwidth, low-latency Alkira global backbone
- ✓ Eliminates dependency on costly long-haul private circuit



Unified Management & Visibility

- ✓ Alkira Portal provides intuitive interface for provisioning, monitoring, and troubleshooting
- ✓ Aruba Orchestrator remains single pane of glass for all SD-WAN operations
- ✓ Industry-leading visualization offers complete visibility into cloud network infrastructure health
- ✓ Comprehensive application traffic flow analysis and diagnostics

Business Outcomes

The joint Alkira and Aruba solution delivers significant business outcomes:



80% Reduction in Network Provisioning Time: Deploy in minutes instead of months



40% TCO Reduction: Eliminate hardware costs and reduce operational complexity



5X Business Growth: Scale network infrastructure on-demand to match business needs



Enhanced Security Posture: Uniform security policy across all environments



Foundation for Successful Cloud Adoption

Alkira's Network Infrastructure-as-a-Service accelerates cloud transition by enabling deployment and operation of enterprise-grade global high-speed cloud networks with end-to-end segmentation and integrated stateful security services. This revolutionary approach requires:

- ✓ Full-stack networking and security
- ✓ Horizontally and vertically scalable networks
- ✓ Auto-detect capabilities for node and link failure
- ✓ Full mesh routing with automated rerouting
- ✓ Segmentation and micro-segmentation
- ✓ Integration with 3rd party network and security services
- ✓ High availability (HA) and Active/Active connectivity



About Alkira

Alkira offers the industry's only comprehensive, entirely virtual network infrastructure delivered as-a-service. Alkira customers enjoy unparalleled network agility, security, and operational simplicity—all without the burden of managing the underlying infrastructure. With Alkira, you can draw your entire network on an intuitive digital design canvas and deploy it with a single click.



About Aruba Networks

Aruba, a Hewlett Packard Enterprise company, is the global leader in secure, intelligent edge-to-cloud networking solutions that use AI to automate the network, while harnessing data to drive powerful business outcomes. With Aruba ESP (Edge Services Platform) and as-a-service options, Aruba takes a cloud-native approach to helping customers meet their connectivity, security, and financial requirements across campus, branch, data center, and remote worker environments, covering all aspects of wired, wireless LAN, and wide area networking (WAN). To learn more, visit Aruba at www.arubanetworks.com.