

Aryaka WAN Optimization

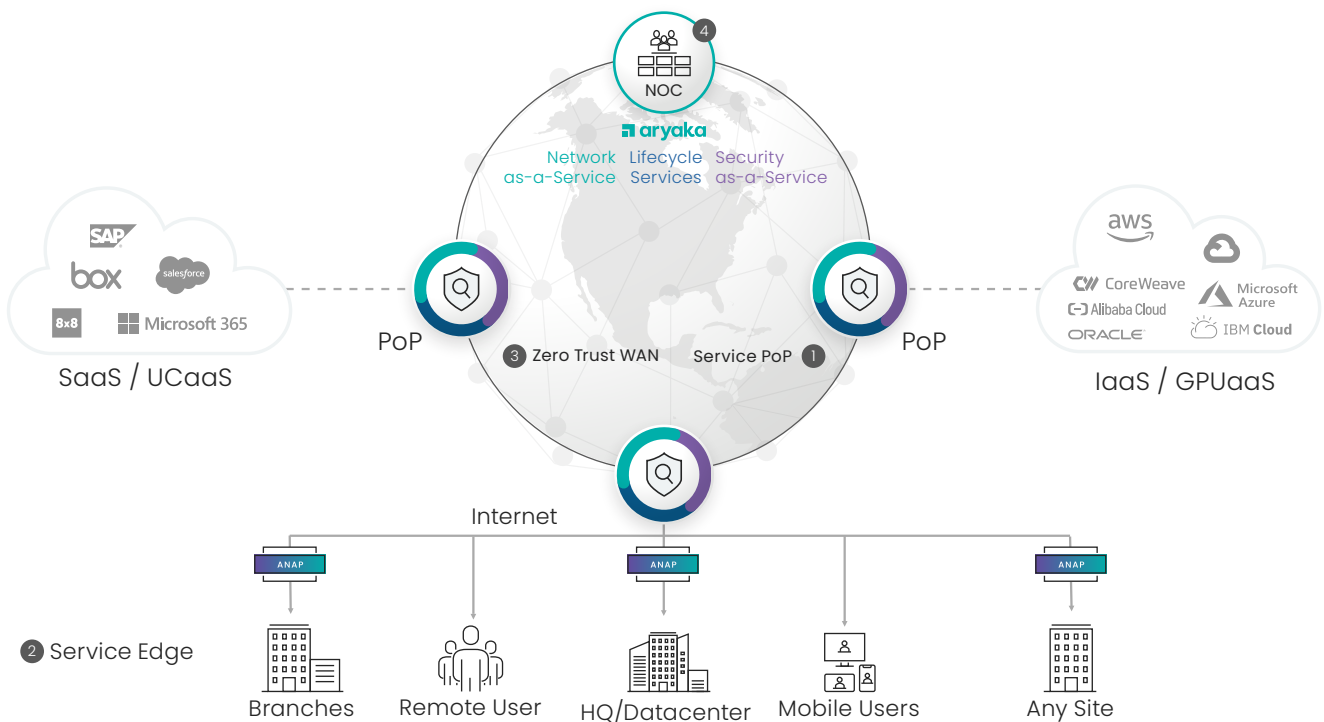


Datasheet

Enterprises relying on public internet WANs and legacy MPLS networks often face significant challenges with network and application latency created by limited bandwidth, traffic duplication, and inefficient traffic routing.

These issues become even more pronounced for remote users who must connect to corporate resources hosted on HQ LANs or in the cloud, leading to sluggish application performance, increased downtime, and reduced productivity. Additionally, traditional MPLS solutions lack the agility to scale with modern cloud-first environments, leaving enterprises struggling to balance performance and cost. To maintain seamless connectivity and optimize user experience, businesses need a more intelligent, cloud-ready approach to networking.

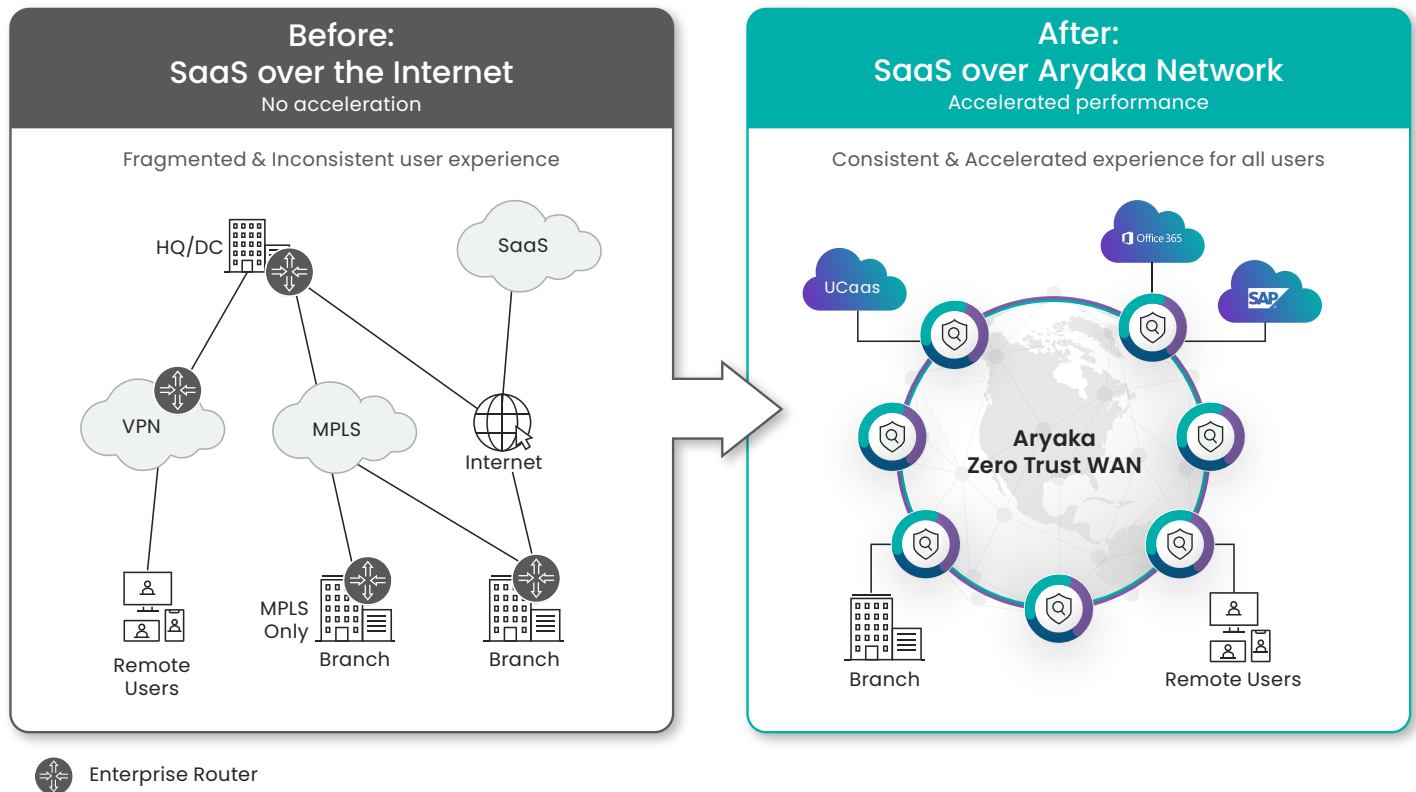
Aryaka Unified SASE as a Service Offers a Fully Optimized WAN



Aryaka WAN Optimization, as part of our Unified SASE as a Service platform, enhances application performance and network efficiency through patented multi-segment TCP optimization techniques, while our underlying network QoS benefits both TCP and UDP traffic. This ensures that enterprise cloud applications like Office 365, Salesforce, and Slack perform as if they are local to the user, eliminating latency issues that impact productivity. By leveraging advanced application proxies, Aryaka significantly improves the performance of WAN-intolerant applications by shortening the feedback loop.

In addition, Aryaka simplifies network operations at branch offices by offering link aggregation, intelligent path selection, and load balancing, all while utilizing proprietary error correction algorithms for single and dual-link packet loss recovery. Our WAN Optimization capabilities also include bandwidth reduction techniques that minimize file sizes before transmission, maximizing available bandwidth and ensuring faster, more reliable connectivity across the first mile. With Aryaka, enterprises benefit from a seamless, high-performance network that supports the demands of modern cloud and SaaS-driven environments.

Use Cases



Accelerated Multi-Cloud Performance from Anywhere

Aryaka's WAN Optimization delivers seamless traffic acceleration by optimizing connectivity between distributed enterprise locations and multiple cloud environments. Through intelligent path selection, traffic prioritization, and advanced data deduplication, Aryaka enhances application performance for cloud-hosted workloads across AWS, Azure, Google Cloud, and SaaS platforms. By leveraging a private, low-latency global backbone, Aryaka eliminates the performance bottlenecks of traditional internet-based WANs, ensuring fast, reliable, and secure access to critical cloud applications from anywhere in the world.

Accelerated Connection for Remote Users

Aryaka's WAN Optimization ensures remote users experience fast, reliable, and consistent application performance, no matter where they connect from. By minimizing latency, reducing packet loss, and optimizing traffic flows, Aryaka enables remote employees to securely access corporate applications without frustrating slowdowns. Its intelligent acceleration techniques enhance responsiveness for both cloud and on-premises resources, making collaboration and productivity seamless. With Aryaka, remote users can work efficiently without disruptions, enjoying a high-performance network experience that feels as if they are directly connected to the enterprise infrastructure.







Features	Description
Aryaka WAN Optimization	
Optimization	
TCP/UDP	Minimize latency and congestion avoidance over the last mile with WAN rate control.
Application Proxy: SSL/CIFS/SMB	Aryaka ANAP acts as SSL/SMB/CIFS proxy and performs predictive pre-fetching of data and metadata to reduce latency across the network.
Advanced Redundancy Removal (ARR)	Performs data deduplication and compression of traffic passing through the Aryaka POPs, reducing overall data sent over the WAN.
Traffic Steering	
Path Preference/Selection/Replication	Full control over traffic routes, forwarding, dropping.
Load Balancing	Distributes traffic across the links on a per-packet basis.
Packet Loss Insights/Recovery/De-Jitter	Aryaka provides insights into jitter, latency, and loss as well as packet recovery to ensure seamless connectivity.

Licensing

WAN Optimization as a part of Aryaka SD-WAN has two types of licenses to meet different deployment needs: site licenses and user licenses. Site licenses are used to enable WAN Optimization services at a specific location. User licenses are used to enable WAN Optimization services for remote users.




Security Service	Prerequisite	Entitlements Upon Subscription
Aryaka WAN Optimization	Aryaka SD-WAN	Secure SD-WAN, Global Connectivity, Multi-Cloud, AI> Perform, and Secure Remote Access

Aryaka SD-WAN Features

 Secure SD-WAN	 Global Connectivity	 Multi-Cloud
 WAN Optimization	 AI> Perform	 Secure Remote Access



Aryaka Unified SASE Features

Everything in Aryaka SD-WAN plus

 NGFW-SWG	 IPS	 Anti-Malware
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Aryaka Advanced Security Features

Everything in Unified SASE plus

 CASB	 DLP*
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*Coming soon



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Aryaka is the leader in delivering Unified SASE as a Service, a fully integrated solution combining networking, security, and observability. Built for the demands of Generative AI as well as today's multi-cloud hybrid world, Aryaka enables enterprises to transform their secure networking to deliver uncompromised performance, agility, simplicity, and security. Aryaka's flexible delivery options empower businesses to choose their preferred approach for implementation and management. Hundreds of global enterprises, including several in the Fortune 100, depend on Aryaka for their secure networking solutions. For more on Aryaka, please visit www.aryaka.com

[About Aryaka](#)