# aryaka

Amazon Web Services Acceleration

Amazon Web Services (AWS) is the leading Infrastructure-as-a-Service (IaaS) provider in the world today, and has become the go-to provider for many global enterprises. However, migrating to IaaS service providers like AWS creates significant challenges with performance.

As data, applications and workloads move to the cloud, enterprises are forced to access them over the unreliable public Internet, which is plagued with inconsistent latency, congestion and high packet loss, leading to application performance issues.

Aryaka's AWS Acceleration solution bypasses the public internet with an enterprise-grade global private network, which provides enterprises with secure, reliable and accelerated access to enterprise applications and cloud services hosted in AWS datacenters. With built-in WAN Optimization, Aryaka's solution can deliver up to 8 times faster access to workloads and applications hosted in AWS.

In addition, Aryaka's Direct Connect relationship with AWS supplements the solution's cloud acceleration capabilities by providing customers with private connectivity to AWS datacenters.
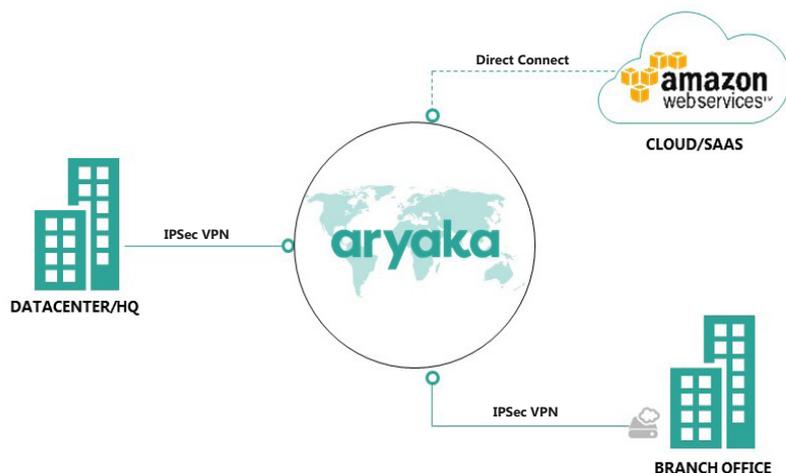
Benefits

Up to 8X Faster AWS Performance
Speed up AWS performance globally for improved user experience and increased productivity.

Up to 95% Bandwidth and Data Reduction
Benefit from compression, data deduplication, and TCP optimization for faster AWS performance, and reduced Total Cost of Ownership (TCO) of the network.

Fast Global Network Deployment
Connect to AWS within days, from anywhere in the world.

End-to-End Network and Application Visibility
Gain an end-to-end, transparent view into the performance of your network and applications.

KEY CAPABILITIES

AWS Direct Connect
Facilitates private connectivity to AWS instances over Direct Connect on the last mile.

Global Private Network
Bypasses the congested public Internet through a global private network (using an SDN/NFV framework) that delivers consistent latencies and negligible packet loss to provide predictable AWS performance.

Compression
Reduces the amount of data transferred across links using Gzip algorithms contained in Aryaka's proprietary technology for higher throughput and faster AWS performance.

Deduplication
Eliminates the transmission of redundant data sent over the network. This reduces bandwidth consumption up to 99.5% when transmitting data between locations and improves AWS performance.

TCP Optimization
Delivers end-to-end latency mitigation, packet loss mitigation, and enhanced congestion management that supercharges TCP applications for faster delivery.

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We are experiencing a dramatic improvement in application performance after deploying Aryaka. Application performance issues are now next to zero, something we have not experienced in a long time. The incredible thing is that we are saving money, getting improved application performance, and an intelligent network to meet our business needs.

Dave Cox, Director of IT at Reike Packaging Systems

Smart Link
Packet loss eliminating technology that provides enterprises with Link Aggregation and enables Load Balancing, Path Selection, as well as Single and Dual Link Packet Loss Recovery with proprietary error correction algorithms.

Smart Edge
Converges an enterprise's WAN edge functionality at the branch and includes cloud and VPN connectivity, routing, and application level control in a single customer premises equipment (CPE).

Fully Managed Service with SLAs
Single vendor solution that allows organizations to focus their resources and time on other business-critical activities. This includes 24x7x365 CCIE-level support.

Real-Time Network and Application Visibility
Web-based MyAryaka™ portal offers an end-to-end, fully transparent network and application view. This includes network health-check tools, and advanced traffic analysis.

Next Steps
> Give it a try to experience the benefits for yourself. Sign up for a **Free Trial**.
> Questions? Email **sales@aryaka.com** or give us a call at 1.877.727.9252.
> For information on other products, services, use cases or customer success, visit **www.aryaka.com**.

About Aryaka Networks
Aryaka's global SD-WAN provides optimized, software-defined network connectivity and application acceleration to globally distributed enterprises. Aryaka's services have over 10 million users across 4,000+ sites. Leading brands such as Skullcandy, Air China, Freescale Semiconductor, and ThoughtWorks, as well as partners such as Microsoft Azure, Amazon Web Services, Intelisys, and SK Broadband, have all chosen Aryaka for their enterprise-grade networking needs.