

SmartCDN

Web App Acceleration

Enterprises depend heavily on CRM and ERP applications for managing their businesses. Any degradation in application performance directly impacts business execution. And with many of these applications moving to the web, the complexity of managing them and delivering enterprise-grade connectivity is immensely more complex. The same can be said of websites and other web applications that have become increasingly personalized and interactive. Users expect near real-time response times and have little patience for slow web applications and website performance.

Content delivery networks (CDNs) were built for read-only websites, delivering faster load times by caching static content closer to end users. Even in instances where CDNs evolved to offer dynamic web acceleration services, these are delivered over the public Internet, exhibiting congestion-based packet loss, unpredictable latencies, and jitter—particularly over global connections.

To address these issues, global enterprises and SaaS providers need a way to accelerate web-based applications to users around the globe – one which is purpose-built for dynamic, personalized content.



The entire onboarding experience with Aryaka was very systematic, simple and quick. The benefits seen during the trial were really impressive. For larger downloads and content delivery, we saw some dramatic improvement in speeds.”

Arvindra Sehmi, CIO, Oxford Economics

Popular Use Cases

- > Faster response times for SaaS applications and web-portals
- > Accelerated hosted enterprise web app performance
- > Enhanced client-server application performance
- > Faster e-commerce website loading times
- > Accelerated mobile site and mobile app performance

Performance benefits quoted from live customer deployments. The numbers may vary depending on geographies, applications, and use cases.

Benefits

Up to 10x Faster Delivery of Web and SaaS Applications

Speed up your web and SaaS applications globally. Improve performance significantly for dynamic, bi-directional, and personalized content.

Deployment in Hours

Deploy the service in a matter of hours by implementing a simple CNAME change.

Up to 100% Uptime

Ensure web application availability around the world with Aryaka’s global private network, which is independent of the unreliable public Internet.

Content Security and DDoS Mitigation

Safeguard against DDoS attacks. Aryaka’s intelligent edge proxies determine invalid attack requests, and absorb multiple DDoS attacks at the edge.

End-to-End Network and Application Visibility

Gain an end-to-end, transparent view into the performance of your network and applications using the MyAryaka™ customer portal.

KEY CAPABILITIES

Global SmartCONNECT Network

Bypasses the congested public internet on the middle mile to deliver superior performance for dynamic, real-time, bi-directional, and personalized web traffic.

TCP Optimization

Supercharges TCP applications for faster delivery using techniques like window scaling, selective acknowledgement, TCP termination, and more.

Data Compression

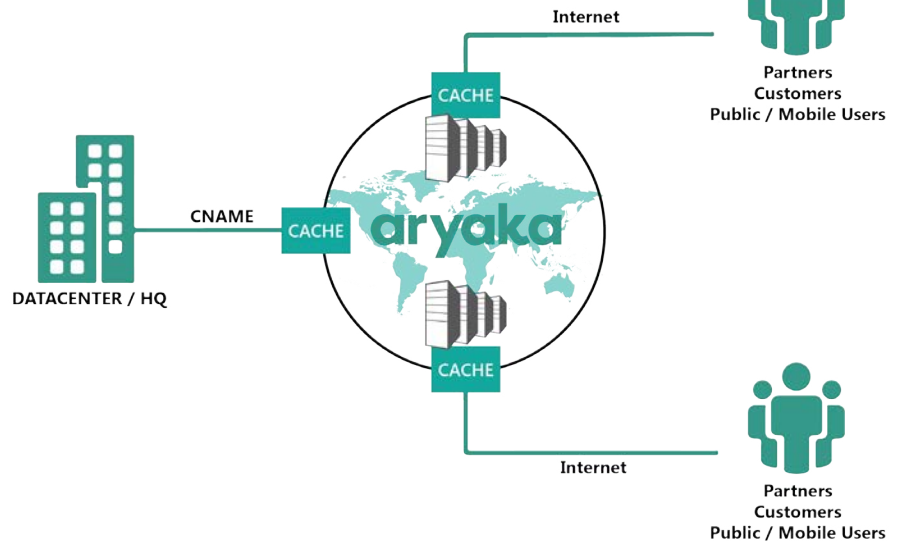
Reduces the amount of data transferred across links using Gzip algorithms contained in Aryaka's proprietary software platform for higher throughput and faster application performance.

Persistent Connections

Saves round trip times (RTT) between the Aryaka Point of Presence (POP) and the origin server, enables scaled windows for faster delivery, and reduces load on the origin server by reducing the total number of open connections.

Fair Use Caching Policy

Each customer's cache is managed separately and eviction happens fairly across all customers, as opposed to favoring few high utilization domains.



Large In-Memory Cache and SSD Storage

Solid State Drive (SSD) storage enables faster retrieval of content from cache, when compared to outdated HDD based storage.

Dynamic Rule Engine

Edge-based policies support fully customizable configurations including geo-targeting, device detection, multi-site hosting, personalized content delivery, and more.

SaaS-based Portal Security

Securely handles and optimizes private data in login portals, while ensuring that the data is never shared with other users.

Network and Application Visibility

Web-based MyAryaka™ portal offers an end-to-end, fully transparent network and application view. Includes application-aware performance monitoring, health-check tools, and advanced traffic analysis.

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.

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 is the #1 MPLS replacement for global enterprises. Aryaka delivers a global enterprise connectivity solution for datacenters, branch offices and remote/mobile employees with significantly better performance for on-premises and cloud applications – voice, video and data. It is delivered as a service eliminating the need for complicated, costly and time consuming WAN construction and maintenance. Unlike MPLS, Aryaka global SD-WAN can be deployed anywhere in the world within days without requiring additional hardware or resources.

