aryaka
The Network for The Cloud

SMART CDN
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

> Speed up response times for global SaaS applications and web-portals
> Accelerate hosted enterprise applications worldwide
> Improve user experience for client-server applications
> Speed up API response times
> Achieve faster loading times for e-commerce websites
> Accelerate performance of mobile websites and applications

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.

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

KEY CAPABILITIES

Global Private L2 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.
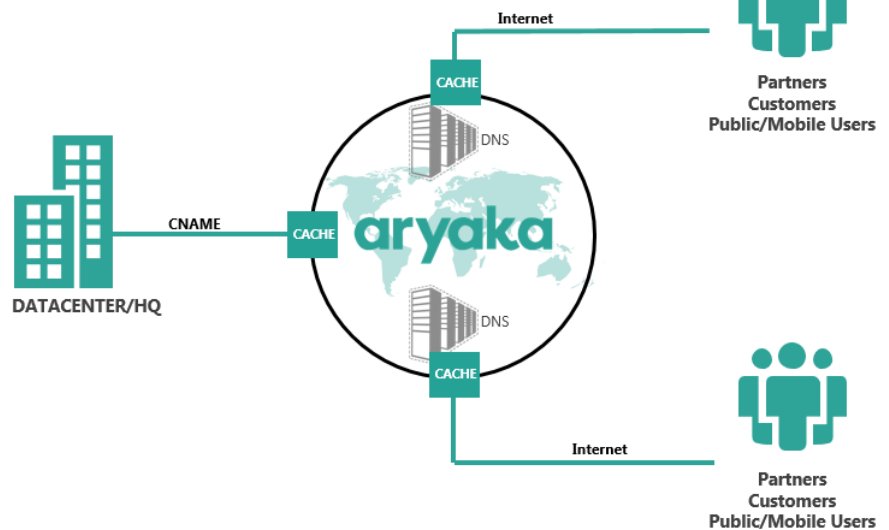
Large In-Memory Cache and SSD Storage
Solid State Drive (SSD) storage enables faster retrieval of content from cache, when compared to outdated HDD based storage.

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

Secure Handling of SaaS-based Portals
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 **ww.aryaka.com**.

About Aryaka Networks
Aryaka's Software-Defined Network Platform 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.