

Web applications and APIs are crucial for modern businesses, powering everything from e-business sites to mobile apps. In this dynamic landscape, Aksela, Medianova's dynamic content delivery platform can provide businesses maximum security, faster performance, and better user experiences.

Aksela uses cutting-edge technologies to maximize the security, making websites and apps perform quickly and seamlessly, regardless of the end-user's location.

Key Capabilities & Features:

Security:

Web Application Firewall (WAF): Aksela is natively integrated with Medianova WAF, that protects web applications and APIs against sophisticated Layer 7 attacks including OWASP Top 10.

Origin Shield: An extra layer of security by standing between your origin infrastructure and the end users.


DDoS Protection: Built-in DDoS protection ensuring web properties remain online and functional, even in the event of large-scale attacks.

Rate Limiting: Allows to set limits on the number of requests that can be made to web applications and APIs over a specified period of time, helping to prevent abuse and maintain system stability.

Geoblocking: Enables to block traffic from specific geographic regions, helping to prevent cyber attacks and improve system performance by reducing unnecessary traffic.

TLS 1.3 Support: Supports the latest version of Transport Layer Security (TLS) protocol, TLS 1.3, providing businesses with the most up-to-date encryption and security for web applications and APIs. Advanced encryption protocols protect content during transit, ensuring that it can't be intercepted or stolen by malicious actors.

Business Benefits:

- Maximize Security 
- Increase Reliability
- Boost Web & Mobile Performance
- Improve User Experience
- Increase Conversion Rates
- Reduce Infrastructure Costs
- Improve SERP Rankings & Boost SEO

Enterprise Support:

- Fast Response Times
- 24/7 Proactive Support
- Private Slack Channel
- Direct Access to Engineers

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Performance:

Global Dynamic Content Delivery: Consisting of 50+ PoPs worldwide, Aksela ensures fast and reliable access to web content and mobile applications, no matter where users are located.

Advanced Caching: Intelligent caching system allows to cache dynamic web content or API responses for even a second, reducing the load on origin servers, resulting in faster page load times and reduced bandwidth costs.

Dynamic Site Acceleration: By creating hundreds of cached copies of websites and serving them from Medianova edge servers close to visitors, Aksela boosts site speed & performance and ensures optimal user experience.

API Acceleration: Aksela caches API responses such as REST and GraphQL, ensuring end-users to have a seamless and responsive experience when interacting with mobile and other API-driven applications.

Routing Optimization (TCP BBR): Routing optimization with TCP BBR (Bottleneck Bandwidth and Round-trip propagation time) congestion control algorithm ensures efficient network utilization, resulting in faster delivery and improved performance for web applications and APIs.

Purge: Enables businesses to quickly and easily remove outdated or incorrect content from the CDN.

SSL Offloading: Removes the processing burden of SSL encryption/decryption from origin infrastructures.

Brotli Compression: A modern and efficient compression algorithm, to reduce the size of content that is transmitted over the network, resulting in faster load times and improved performance for web applications and APIs.

Gzip Compression: Supports gzip compression, which reduces file size and speeds up content delivery, improving performance for web applications and APIs.

Image Optimization: Medianova Image Optimizer resizes, crops, transforms and optimizes images on the fly with a simple URL call.

Reliability:

Scalability: Traffic spikes for web applications and APIs are handled seamlessly, and meet demand without sacrificing performance.

Uptime: Website availability is improved through cached copies, so that it can even be accessed when the origin server crashes.

Granular Management:

The Medianova Cloud Panel: Aksela resources and settings can be managed through Medianova Cloud Panel which provides a single-pane-of-glass view across all Medianova products to deliver a fine-grained control.

Real-time analytics: Analytics dashboard provides real-time insights into web traffic, helping businesses make informed decisions about their online presence.