

Alta

Cloud-based application delivery platform for web applications hosted anywhere



Organizations of all sizes in all industries are migrating applications to the cloud at a rapid pace to be more agile, reduce cost and complexity, and improve the productivity of their workforces. Everyone connected to those organizations expects instant, secure, reliable access to web applications, and online workspaces that are as easy to use as consumer marketplaces – increasingly from mobile devices.

The rapid adoption of cloud-based applications puts new burdens on the public Internet, highlighting its key weaknesses in application performance, reliability, and security. Organizations focusing on optimizing their application delivery IT infrastructures inside the data center don't begin to address the key challenges, which lie outside of those walls. Establishing private networks between the data center and end-users is an option, but it is expensive, and ineffective if users are globally dispersed.

Akamai Alta

Akamai Alta is a cloud-based application delivery platform that enables enterprises to deliver all of their web-based applications in a fast, reliable, secure, and cost-effective way to any user, on any device, anywhere in the world. Utilized as a service, Alta empowers enterprises to overcome the challenges related to delivering their applications over the Internet by placing all of the application delivery capabilities within the Akamai Intelligent Platform™, which means the web application delivery optimizations are distributed globally and located close to users and data centers, wherever they are. Akamai's unique cloud-based network architecture also enables web applications to be migrated seamlessly across data centers or clouds, with application delivery optimizations moving automatically with the application.

Performance Features

- **Akamai Sure Route** — A dynamic Internet mapping protocol analyzes all prospective routes between your cloud data center and end-users and intelligent routing selects the best route
- **Enhanced Akamai Protocol** — Increases efficiency at the TCP layer when fixed-line networks are congested and reduces the number of round trips users must take to access requested application data
- **Akamai Instant** — Speeds page load times with technology that retrieves the next pages most likely to be requested, based on origin analytics, before the web user even requests them
- **Dynamic Page Caching** — Granular, intelligent web page caching of historically hard-to-cache dynamic and personalized content
- **Front End Optimization (FEO)** — Identifies the device users are accessing the web application on, rewriting HTML and modifying images, JS, CSS and other page objects to make application web pages download and render faster for that particular device
- **Real User Monitoring** — Collects actual response time data for individual users accessing your applications by inserting a beacon onto web pages as Akamai delivers them

BENEFITS TO YOUR BUSINESS

- **Deliver a 100% global performance improvement SLA** over origin and a 100% global availability SLA
- **Drive down IT costs** by leveraging Akamai Intelligent Platform™ instead of investing in/supporting network infrastructure and legacy hardware-based application delivery solutions
- **Reduce complexity** with a single delivery solution for all applications; no hardware or virtual appliances need to be installed in your environment
- **Increase user productivity** on any device through real-time, dynamic application optimization for mobile devices
- **Be cloud ready instantly** — overcome centralized DNS acceleration challenges, leverage load balancing across data centers, deploy/provision new online apps easily and mitigate risk by architecting a layer of intelligence in front of the Cloud data center
- **Gain insight and agility** through constant origin health reporting via a new Internet traffic report portal

“As our application grew richer, it became harder for us to deliver content directly to our end-users from our own data centers. We had to find a partner that had the global footprint to help us ensure good performance and security internationally... The solution set Akamai brings to the table is second to none in the marketplace.

— **Drew Garner**,
Director of Services Architecture, Concur

Alta

Availability Features

- **Cloud Balancing** — Balances traffic between multiple network data centers and provides real-time failover in the event of downtime, while maintaining session ‘stickiness’ and balancing individual sessions
- **Origin Health Reporting** — Provides insight on origin response times, alerting you when it drops below a threshold

Scalability Features

- **Akamai Intelligent Platform™** — Provides offload capability for all of your applications to the Akamai Intelligent Platform™. Regardless of where your web applications are hosted or end-users are located, you can optimize web application delivery every time.
- **InstantConfig** — Uses Akamai portal activation to deploy and provision multiple web applications quickly, with a standard configuration, and scales to support your entire portfolio
- **Cloud Monitor** — Provides real-time visibility into the performance and activity of complex cloud applications typically not visible, giving you actionable data and insight to scale business strategically

- **IPv6 Adaptation** — Dynamically delivers to users on IPv6 even if your infrastructure has not been upgraded from IPv4
- **eDNS** — Directs end users to your web applications dependably, without ever exposing your DNS servers directly to end users and online security threats. It leverages multiple technologies to provide a highly secure, scalable, fault-tolerant solution.

Akamai Alta can also be combined with Akamai’s web Security Solutions to protect against increasing web security threats like SQL injections, cross-site scripts, and DDoS attacks that can compromise sensitive network data and the online experience.

The Akamai Ecosystem

Akamai makes the Internet fast, reliable and secure. Our comprehensive solutions are built on the globally distributed Akamai Intelligent Platform™, managed through the unified, customizable Luna Control Center for visibility and control, and supported by Professional Services experts who get you up and running easily and inspire innovation as your strategies evolve.

“ The introduction of cloud, virtualization, and mobility has expanded the number of types of revenue-producing applications, which means that I&O teams need to optimize a much broader set of user experiences... data, users, and applications are in constant motion; personal and business resources are no longer separate; and now there are mobile, web, traditional, and hybrid applications traversing the network. Thus, providing a network that can handle all of these elements is extremely complex.

— Forrester Research, Inc.



Akamai® is a leading provider of cloud services for delivering, optimizing and securing online content and business applications. At the core of the company’s solutions is the Akamai Intelligent Platform™ providing extensive reach, coupled with unmatched reliability, security, visibility and expertise. Akamai removes the complexities of connecting the increasingly mobile world, supporting 24/7 consumer demand, and enabling enterprises to securely leverage the cloud. To learn more about how Akamai is accelerating the pace of innovation in a hyperconnected world, please visit www.akamai.com or blogs.akamai.com, and follow @Akamai on Twitter.

Akamai is headquartered in Cambridge, Massachusetts in the United States with operations in more than 40 offices around the world. Our services and renowned customer care enable businesses to provide an unparalleled Internet experience for their customers worldwide. Addresses, phone numbers and contact information for all locations are listed on www.akamai.com/locations.