APPLICATION LOAD BALANCER CLOUDLET

Achieve superior performance, availability, and scale with fast, reliable global server load balancing on the Akamai Intelligent Edge Platform.

The way you build and deploy applications has changed; organizations are distributing applications across hybrid and multi-cloud architectures. This approach increases complexity and introduces new application delivery challenges. To achieve optimal business results, organizations must stay laser focused on achieving fast, reliable user experiences.

Global server load balancers intelligently distribute traffic across applications in multiple geographies and compute environments. However, they often fall short on several fronts. Legacy hardware-based solutions are expensive, have limited deployment options, and lack scalability. Software-based solutions often deliver suboptimal performance because of limited geographic footprints. Although autoscaling is a standard feature, it is not instantaneous, and that introduces unacceptable risks for the user. And solutions from public cloud providers often work within the confines of their own environments, and are unable to meet the requirements of hybrid or multi-cloud use cases.

Introducing Akamai Application Load Balancer Cloudlet

Akamai Application Load Balancer Cloudlet (ALB) is a multi-layered global server load balancer purpose-built to solve your hybrid/multi-cloud application delivery and traffic management challenges.

ALB leverages the power of Akamai's Global Traffic Management technology to make Layer 3 DNS routing decisions. In addition, ALB delivers exclusive capabilities designed to give you more granular traffic control. And the instant failover feature provides increased support for applications that require high availability.

- Layer 7 routing — gives you granular control to route traffic based on HTTP attributes (e.g., cookie value, URL path, query string)

- Session affinity — binds users to the selected origin during normal runtime operation to support uninterrupted experiences

- Instant failover — routes user sessions to backup origins at the edge, maintaining continuous application availability when unexpected outages occur

BENEFITS

- **Achieve massive scale** and footprint by offloading load balancing to the Akamai Intelligent Edge Platform

- **Provide seamless, uninterrupted** user experiences backed by 100% global service level agreement (SLA)

- **Improve response time** and mitigate congestion point impact by addressing real-time Internet conditions

- **Reduce IT costs** and simplify operations with a single universal global traffic management solution

- **Pursue the most optimal** application deployment strategy with an origin-agnostic load balancing solution

The secret to ALB's power is the Akamai Intelligent Edge Platform. With approximately 239,000 servers in 139 countries, it's the most pervasive, highly distributed CDN. The breadth of the Akamai platform means that with a simple API call or click of a button, your custom load balancing logic will seamlessly execute on Akamai edge servers all across the globe. So you can deliver superior performance, unmatched reliability, availability, and spectacular digital experiences to your end users.
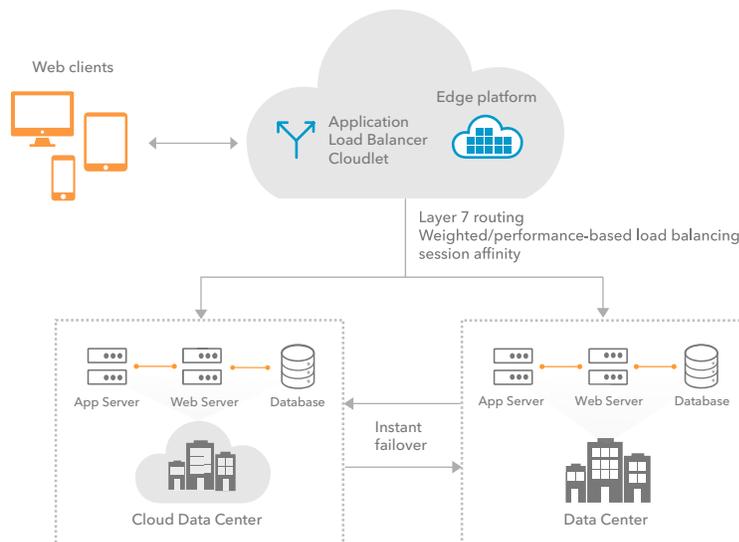
CAPABILITIES

Global Server Load Balancing
Origin-independent, multi-layered (Layer 3 and Layer 7) load balancing solution is built to support modern hybrid and multi-cloud architectures.

Session Affinity
Users are bound to a single origin during normal runtime operation, maintaining critical user session information and helping to maintain seamless uninterrupted experiences.

High Availability
Instant failover reroutes user sessions to alternate origins at the edge when unexpected outages occur.

Fast, Intelligent Routing
Fast and intelligent routing powered by Akamai SureRoute* avoids Internet congestion points and outages, and selects optimal routes to origin to deliver fast, reliable user experiences.

DevOps Friendly
Easy-to-use interface and included API allow you to click to design and activate policies in minutes.

* SureRoute is only available for accelerated delivery products

Akamai secures and delivers digital experiences for the world's largest companies. Akamai's intelligent edge platform surrounds everything, from the enterprise to the cloud, so customers and their businesses can be fast, smart, and secure. Top brands globally rely on Akamai to help them realize competitive advantage through agile solutions that extend the power of their multi-cloud architectures. Akamai keeps decisions, apps, and experiences closer to users than anyone – and attacks and threats far away. Akamai's portfolio of edge security, web and mobile performance, enterprise access, and video delivery solutions is supported by unmatched customer service, analytics, and 24/7/365 monitoring. To learn why the world's top brands trust Akamai, visit www.akamai.com, blogs.akamai.com, or @Akamai on Twitter. You can find our global contact information at www.akamai.com/locations. Published 05/19.