

EdgeDNS

Everyone connected to an enterprise — customers, employees, and partners — expects instant, secure, reliable access to your web applications and APIs, wherever they are, on any device. The domain name system (DNS), which translates human-readable domain names into numerical IP addresses, is a critical component in delivering quality web experiences for your website visitors and application users.

Despite its importance to website and application performance, many organizations underdeploy DNS infrastructure, often relying on just two or three DNS servers. This approach leaves them vulnerable to data center outages as well as distributed denial-of-service (DDoS) attacks.

Edge DNS

Edge DNS is a cloud-based DNS solution that provides 24/7 DNS availability, improves DNS responsiveness, and has the resilience to defend against the largest DDoS attacks. Built on a globally distributed anycast network, it can be implemented as a primary or secondary DNS service, replacing or augmenting existing DNS infrastructure as needed.

Capabilities

- **High Availability** — Leverage the Akamai Intelligent Edge Platform, with thousands of DNS servers in more than 1,000 points of presence worldwide, to provide a high level of DNS service availability. Edge DNS comes with a 100% uptime service level agreement (SLA), providing you with confidence that your customers and employees can reliably connect to your website and application servers.
- **Fast Responses** — Direct users to a high-performing DNS server based on network conditions to improve the responsiveness of your DNS infrastructure. The globally distributed anycast network accelerates DNS resolutions for users connecting to your websites and applications from anywhere in the world, and zone apex mapping reduces DNS lookup times even further for sites on the Akamai Intelligent Edge Platform for an additional web application performance boost.
- **Defense Against DDoS Attacks** — Protect against DDoS attacks that target the DNS infrastructure to disrupt websites and application servers. Edge DNS provides a highly scalable DNS platform with sufficient capacity to absorb the largest DDoS attacks while responding to legitimate user requests, so you can maintain user access to faster online experiences even when you are under attack.

BENEFITS FOR YOUR BUSINESS

Guarantee 24/7 availability

by leveraging Akamai's scalable, globally distributed platform

Achieve faster, more reliable resolution

with zone apex mapping and thousands of servers worldwide

Defend against DDoS attacks

with the capacity to absorb them and maintain user access

Prevent DNS forgery & manipulation

with Akamai DNSSEC (optional add-on)

Simplify DNS infrastructure

management with Akamai Control Center and Edge DNS APIs

Control costs

with pricing based on the number of zones, not req



To learn more, [click here](#) and visit our Akamai partnerpage on the Evolane website.



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