Fast DNS

DNS resolution that is fast, reliable and secure

Everyone connected to an enterprise – customers, employees and partners – expects instant, secure, reliable access to your website, 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 a faster web experience for your website visitors and application users.

Despite its importance to website and application performance, many organizations under-deploy 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.

Fast DNS

Fast 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 Akamai's Intelligent Platform™, with thousands of DNS servers in hundreds of points of presence worldwide, to provide a high level of DNS service availability. Fast DNS comes with a 100% uptime service level agreement (SLA); providing you with confidence that your customers and employees can connect to your website and application servers.

- **Fast Responses —** Direct users to a high performing DNS server based on network conditions to improve responsiveness of your DNS infrastructure. The globally distributed Anycast network accelerates DNS resolutions for users connecting to your sites and applications from anywhere in the world, and zone apex mapping reduces DNS lookup times even further for websites on Akamai's Intelligent Platform™ for an additional web application performance boost.

- **Defense Against DDoS Attacks —** Protect against DDoS attacks targeting the DNS infrastructure to disrupt websites and application servers. Fast 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.
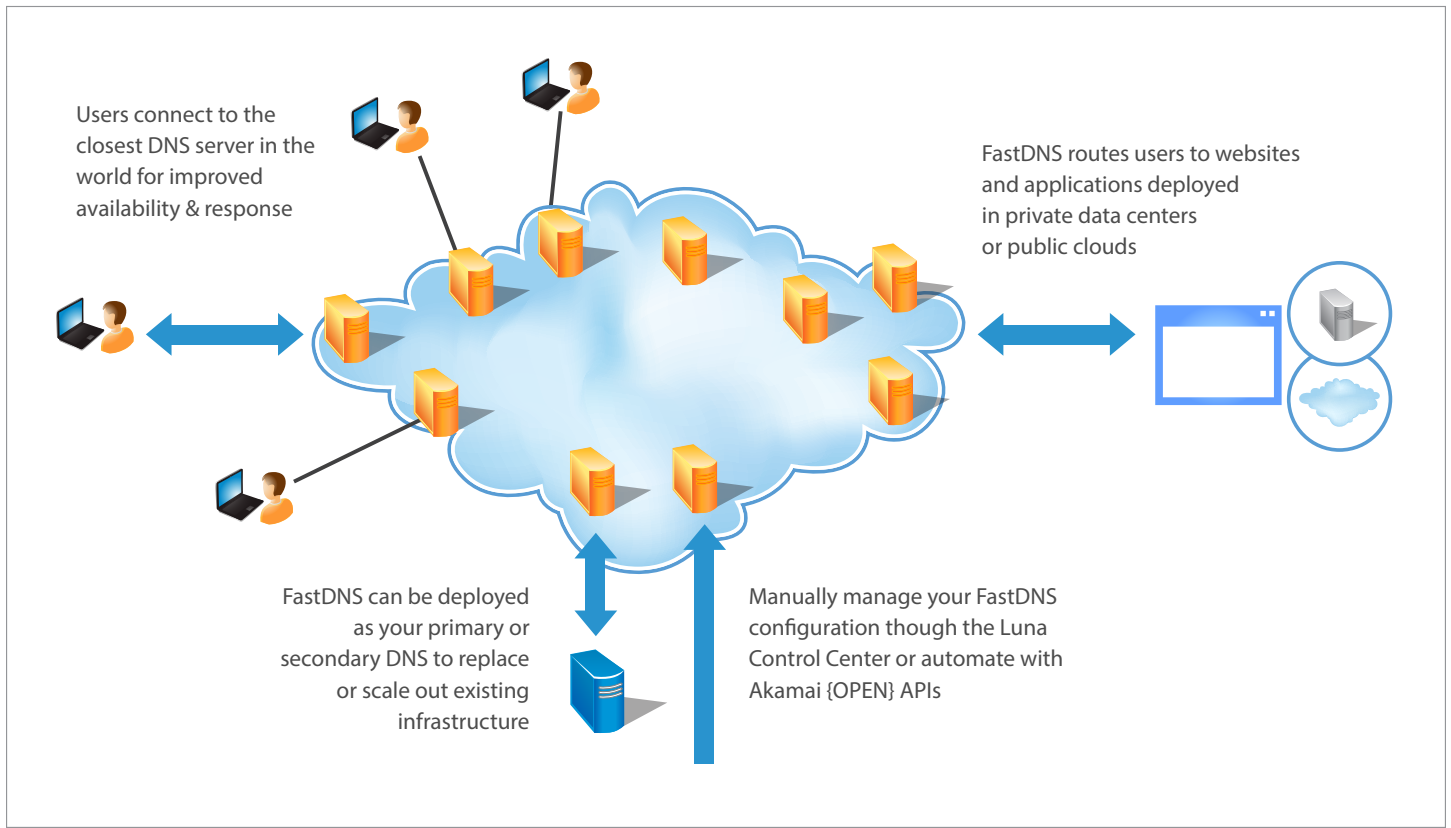
The Akamai Ecosystem

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.

BENEFITS TO 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 and manipulation** with Akamai DNSSEC (optional add-on)

- **Simplify DNS infrastructure management** with Akamai's Luna Control Center and open APIs

- **Control costs** with pricing based on the number of zones, not requests

Fast DNS

Users connect to the closest DNS server in the world for improved availability & response

FastDNS routes users to websites and applications deployed in private data centers or public clouds

FastDNS can be deployed as your primary or secondary DNS to replace or scale out existing infrastructure

Manually manage your FastDNS configuration though the Luna Control Center or automate with Akamai {OPEN} APIs

> We've built a highly sophisticated trading and order execution platform that can be used globally, so it is extremely important that our system is accessible around the clock. Akamai helps us ensure that we have powerful security against web attacks as well as important optimization capabilities to enhance overall performance. Having the right 'protect and perform' strategy in place is critical when your entire business exists online.
>
> — **Rich Teo,** CEO, itBit

Akamai *FASTER FORWARD*

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.