

# Edge DNS for Games

## Extend Your DNS to the Edge



Every player expects instant, secure, reliable access to your game, 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 online experience for your players.

Despite its importance to the availability of web applications and other assets, 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 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 connect to your website and application servers.

“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 Asia, itBit

## 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 Control Center, APIs, and DevOps integration
-  **Control costs** with pricing based on the number of zones, not requests

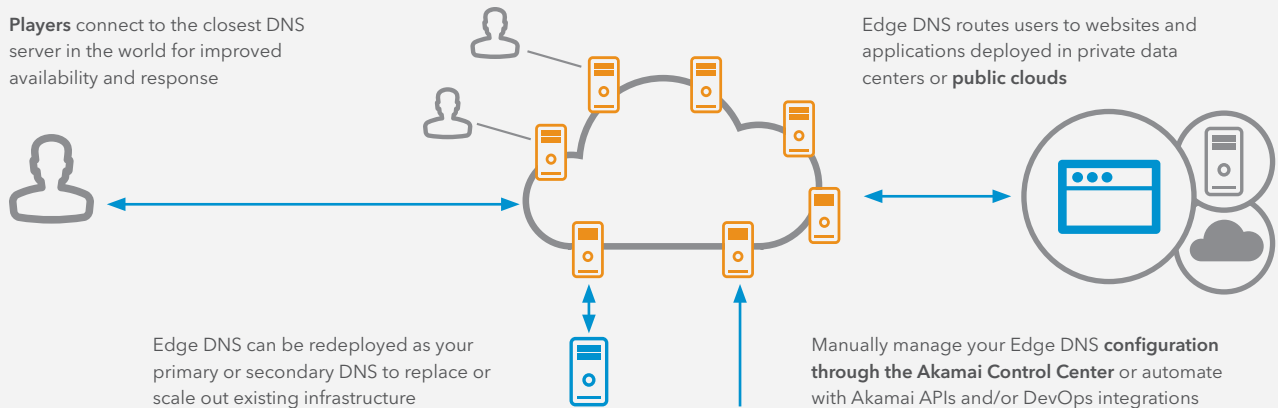
## Edge DNS for Games

### Extend Your DNS to the Edge

**Fast Responses** – Direct users have access 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 sites and applications from anywhere in the world, and zone apex mapping reduces DNS lookup times even further for properties on the Akamai Intelligent Edge Platform for an additional web application performance boost.

**Defense Against DDoS Attacks** – Protect against DDoS attacks that disrupt game servers. Edge DNS provides a highly scalable DNS platform with the capacity to absorb the largest DDoS attacks, while responding to legitimate user requests, so you can maintain optimal online player experiences, even when you are under attack.

Players connect to the closest DNS server in the world for improved availability and response



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

Edge DNS can be redeployed as your primary or secondary DNS to replace or scale out existing infrastructure

Manually manage your Edge DNS configuration through the Akamai Control Center or automate with Akamai APIs and/or DevOps integrations



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](http://www.akamai.com), [blogs.akamai.com](http://blogs.akamai.com), or [@Akamai](https://twitter.com/Akamai) on Twitter. You can find our global contact information at [www.akamai.com/locations](http://www.akamai.com/locations). Published 02/20.