

Enhanced DNS

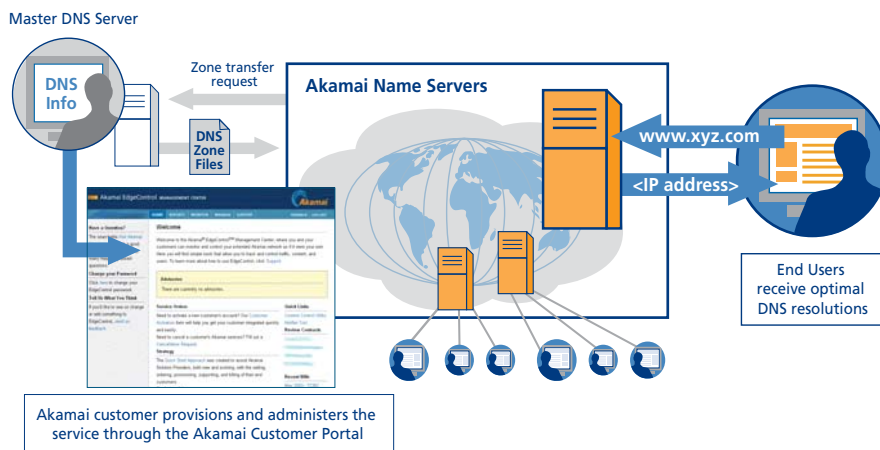
A Web site's Domain Name Service (DNS) is critical to making the site continually available to end users. However, most enterprises underestimate its importance, under-deploying their DNS infrastructure and often depending on just two or three name servers to support this essential element of their Web infrastructure. Further, if these servers are resident in the same telecommunications network—or even in the same data center, the enterprise is exceedingly vulnerable to unplanned downtime during name server failures, power losses, or telecommunications network outages.

Akamai's Enhanced DNS provides a robust, reliable, and scalable solution to dependably direct end users to your Web sites. It is the only outsourced DNS solution that leverages the globally-distributed Akamai Platform, requires no change to existing DNS administration processes, and provides unparalleled reliability, scalability, and performance of DNS resolution.

How Enhanced DNS Works

You start by provisioning DNS zones to Akamai's Enhanced DNS using the user-friendly EdgeControl Management Center. Once configured, Enhanced DNS will start performing standard zone transfers from your master name server and upload the zones to multiple Akamai-administered name servers. You then instruct the Domain Registrar that the Akamai name servers will resolve your

zone authoritatively. When this change takes effect, Akamai name servers in multiple geographies and networks will provide name resolution to end users. The Akamai system will continue performing zone transfers on an ongoing basis as instructed by usual refresh and retry parameters in the Start Of Authority (SOA) DNS record.



Akamai's focus on customer service is clearly demonstrated in its state-of-the-art Network Operations Command Center (NOCC). The Akamai NOCC enables proactive monitoring and troubleshooting of the world's largest distributed computing platform, creating the industry's most comprehensive view of the real-time condition of the Internet.

Benefits To Your Business

Enhanced Availability and Reliability

Enhanced DNS leverages for your site; multiple redundant name servers distributed throughout the global Akamai Platform of over 15,000 servers across a variety of networks and geographies. This infrastructure provides a level of reliability and availability not achieved with typical DNS solutions.

Improved Global Performance

Using IP Anycast, each advertised name server's IP address is backed with multiple physical machines located across multiple networks and continents, so users are directed transparently to the closest name server. Enhanced DNS improves DNS resolutions dramatically and globally, resulting in a positive user experience, every time.

Protects Your Customers And Content

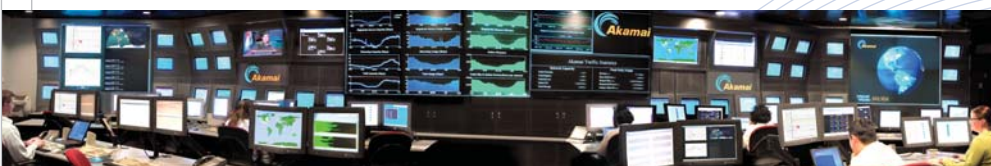
Akamai name servers do not run BIND and so are not susceptible to its known security vulnerabilities. Further, Enhanced DNS leverages Akamai's significant in-house expertise in developing, administering, managing, and monitoring name servers, to ensure the integrity of the Enhanced DNS infrastructure.

Guarantees 24/7 Availability

Akamai's Enhanced DNS service is a critical piece of an always-available infrastructure. By combining this service with Akamai's Site Failover and Content Delivery features, you're guaranteed that your site will remain on the air around the clock.

Streamlines Integration

Enhanced DNS provides secondary DNS hosting, so you can maintain complete administration of zone data on your primary name servers. You can choose to retain your existing business processes for change management of zone data while leveraging the Akamai Platform to deliver DNS resolutions to end users.



About Akamai

Akamai is the leading global service for distributing online content and business processes. More than 1,200 organizations have formed trusted relationships with Akamai, improving revenue and reducing costs by maximizing their online business performance. Leveraging the Akamai *EdgePlatform*, these organizations gain business advantage today, while building a foundation for the emerging Web solutions of tomorrow. Akamai is "The Trusted Choice for Online Business." For more information, visit www.akamai.com.



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