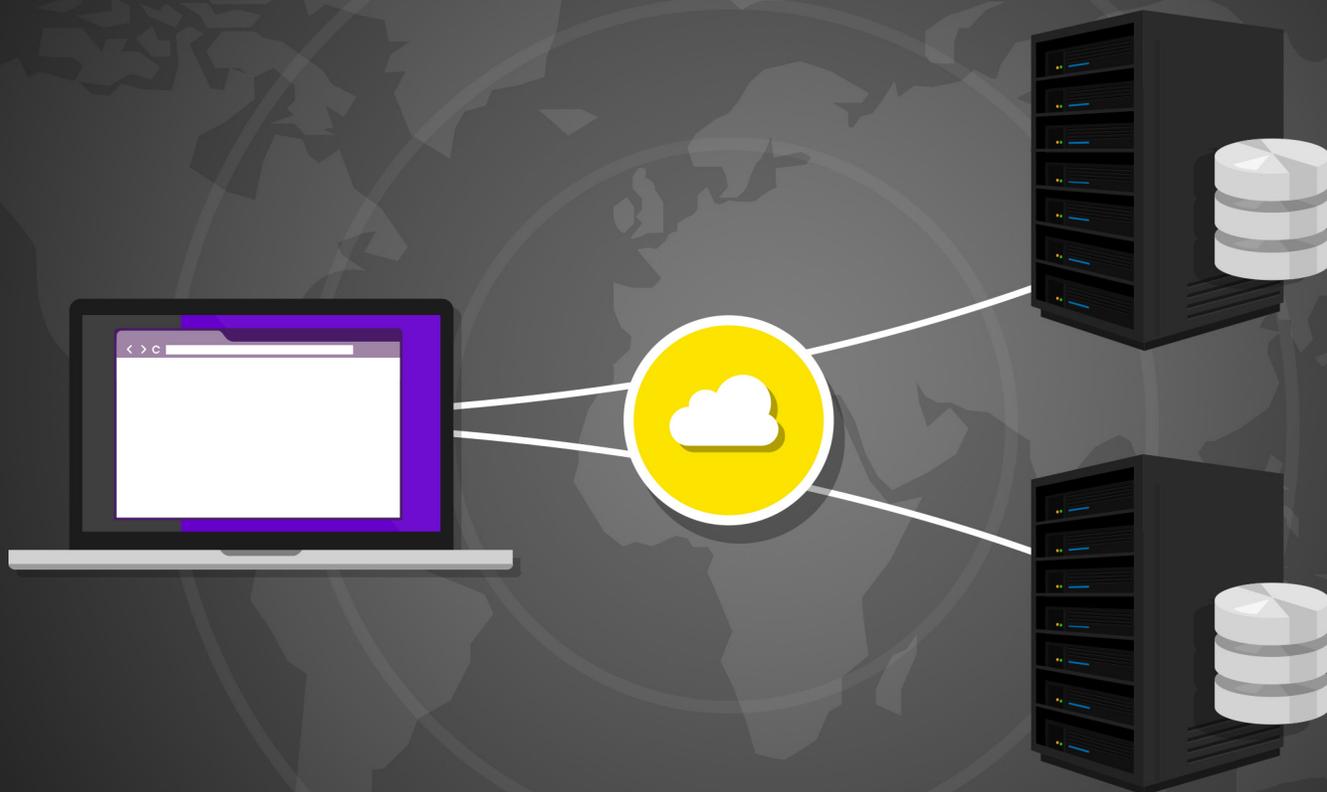


**DATA SHEET:**

# Dyn Secondary DNS

Part of Dyn's Internet Performance Management Platform



## Data Sheet:

# Dyn Secondary DNS

## Part of Dyn's Internet Performance Management Platform

### Overview:

DNS is a critical component to ensuring online services remain available and that end users are able to connect to those services as quickly as possible. With revenue-generating web applications, customer satisfaction, and employee productivity all dependant on DNS, you can't afford to have your DNS service unavailable or underperforming for any amount of time.

Dyn's cloud-based Secondary DNS solution serves as a redundant complement to your existing DNS service to ensure your most critical applications remain available and that end users reach those applications faster than with any other solution. Secondary DNS sits on top of our global anycast network that has maintained 100% uptime since its inception in 2007 and delivers industry-leading response times worldwide, as well as 24 x 7 protection against Distributed Denial-of-Service (DDoS) attacks at the DNS layer.

### How it works:

Secondary DNS operates in an "always on" manner to complement your existing infrastructure as an additional authoritative DNS service. When an end user's recursive server initiates a DNS request, both your existing DNS service and Dyn's Secondary DNS will respond as soon as they receive the request. Whichever response reaches the recursive server first will be passed back to the end user, completing their request.

This process effectively creates a race to respond to each incoming DNS request, ensuring performance can only improve. All domain information will continue to be managed within the primary DNS service in the same manner in which this information is configured today. This information will then be synchronized with the secondary service (using one of many supported protocols) to ensure both solutions are returning the same information to end users.

Secondary DNS reduces the risk of outages to critical services while also protecting against delays while connecting to these services as any degradation on either DNS service will simply result in the alternative service winning the majority of the races to respond to incoming requests. This proves especially effective in the face of DNS-based DDoS attacks that often linger for days if not properly mitigated, bringing end user performance to a crawl before potentially rendering the services unavailable.

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Dyn's Secondary DNS complements your existing DNS infrastructure to ensure the highest level of availability and performance for your most critical online services.

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### Benefits:

#### Complements Existing DNS Infrastructure:

No need to replace your existing DNS infrastructure. Our cloud-based Secondary DNS solution complements your existing service, providing the redundancy needed to ensure high availability for all of your online services.

### **High Availability:**

Dyn's global anycast network has maintained 100% availability since its inception in 2007. This provides the assurance that your applications and services will remain available even if your existing DNS service goes offline for any reason.

### **Maintained by Experts:**

Dyn employs many of the leading authorities on DNS in the world. This expertise is visible through all aspects of our solution, including our Network Operations team that monitors the network 24x7, identifying and mitigating any issues that arise, including Internet disturbances and malicious attacks.

### **Global Scalability:**

Dyn's global anycast network extends to every region of the world, providing leading performance and availability to every market. This enables you to leverage our DNS services as you expand your operations globally.

### **DNS-based DDoS Protection:**

Dyn's Network Operations Center monitors our global network 24x7 to identify and mitigate DNS-based DDoS attacks before they affect your infrastructure. In some cases, our customers don't even recognize they've been the target of an attack until our team informs them that it's been successfully mitigated.

### **24x7 Customer Service:**

Whether you have questions about traffic patterns, need help configuring domains, or simply want to confirm your services are set up correctly, Dyn's world-class support organization is available 24 x 7 to ensure your success with our platform.

### **Easy Integration with Existing Infrastructure:**

Dyn's Secondary DNS supports the four most common protocols (AXFR, IXFR, NOTIFY, and TSIG) for synchronizing DNS zone data with a primary DNS service. This ensures your DNS information remains up-to-date in both systems with minimal maintenance required beyond the initial implementation.

[learn more](#)

**For additional information about Dyn Secondary DNS visit: [dyn.com/secondary-dns](https://dyn.com/secondary-dns)**