



Cloud DNS

High Performance under any traffic conditions from anywhere in the world

Secure

DNS System

Reduce vulnerability to spoofing and distributed denial of service (DDoS) attacks

Reliable

Performance

Guarantee internet domain queries are consistently and correctly resolved

Scalable

Application Delivery Network

Manage increased traffic as an organization's business grows

CDNetworks is a global content delivery network (CDN) with fully integrated Cloud Security DDoS protection and web application firewall. Our mission is to transform the Internet into a secure, reliable, scalable, and high-performing Application Delivery Network. CDNetworks accelerates more than 40,000 websites and cloud services over a network of 1500+ global PoPs in established and emerging markets including China and Russia. We have been serving enterprise customers for 15 years across industries such as gaming, finance, ecommerce, high tech, manufacturing, and media. CDNetworks offices are located in the U.S., UK, South Korea, China, Japan, and Singapore. For more information, please visit: <http://www.cdnetworks.com>.

Product Benefits

- **Availability:** Ensure 100% accessibility to your website backed by a robust network capable of scaling to handle virtually unlimited growth in user traffic.
- **Performance:** Increase customer stickiness and therefore revenue by leveraging a best in class solution utilizing IP Anycast, instant DNS change propagation, and seamless CDN integration.
- **Security:** Protect against DDoS attacks and costly administration errors with a distributed architecture, zone transfers, and a secure testing environment.
- **Simplicity:** Simplify your DNS administration with a web-based portal, secure zone transfer and near real-time reporting giving you unparalleled insights into your DNS traffic, without any increase in administrative overhead or CapEx investment.
- Fast performance on Amazon EC2 and other cloud platforms.

The Importance of DNS

The Domain Name System (DNS), a critical piece of internet infrastructure, is a distributed, hierarchical database that maps names to IP addresses. DNS enables users to reach the correct website or email inbox when entering a URL or email address.

Almost every internet transaction interacts with the DNS system. The performance of DNS can directly influence how quickly a website can be reached and in effect, whether consumers abandon your website for your competitors'.

DNS system key requirements

- **Availability:** Ensure all users can reach websites all the time.
- **Reliability:** Guarantee internet domain queries are consistently and correctly resolved.
- **Performance:** Overcome network latency experienced by geographically distributed users.
- **Security:** Decrease vulnerability to spoofing and distributed denial of service (DDoS) attacks.
- **Scalability:** Manage increased traffic as an organization's business grows.

Creating and managing an infrastructure as complex as this, can be both technically intimidating and financially challenging.

CDNetworks Cloud DNS

CDNetworks offers a managed cloud-based authoritative DNS service. Cloud DNS (CDNS) is secure, reliable and scalable and offers high performance under any traffic conditions from anywhere in the world. Built on a global network that spans from the US to Australia, the system can easily handle millions of queries per second.

Above all, in an *"always-on"* web era, it protects businesses from any kind of *"outage costs"*. By offloading the complex task of DNS infrastructure to CDNetworks, organizations can concentrate on their core business and get a massively

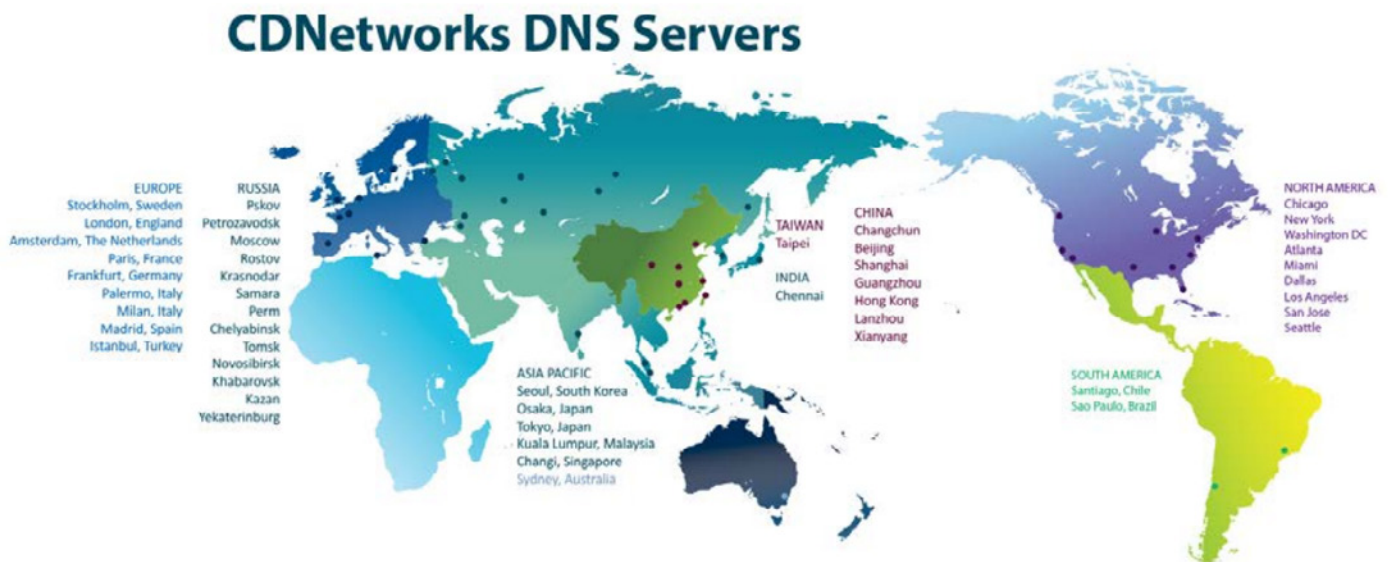
scalable, high performing and secure DNS system without large upfront capital costs or technology investment.

Cloud DNS has been purpose-built to address the web performance needs of enterprises. It is natively integrated with our Web Performance Suite and provides optimal performance when used in conjunction with other products in the suite, such as Content Acceleration.

Furthermore, this integration means the additional step of resolving the location of the CDN is eliminated, which improves overall website performance.

Network of Cloud DNS Servers

CDNS is built on a globally distributed platform across 48 strategic locations – from the U.S. to Australia. The high degree of built-in redundancy ensures that the DNS infrastructure is always available to correctly respond to queries. Rather than randomly routing DNS requests to any available location, CDNS utilizes IP Anycast to intelligently route DNS queries to the closest topological location. This ensures consistently high performance for users every single time, irrespective of their location. The distributed platform provides an added layer of security by being resilient to DDoS attacks. CDNetworks Cloud DNS can strategically distribute traffic across servers, ensuring that it can easily scale to meet growing traffic demands.

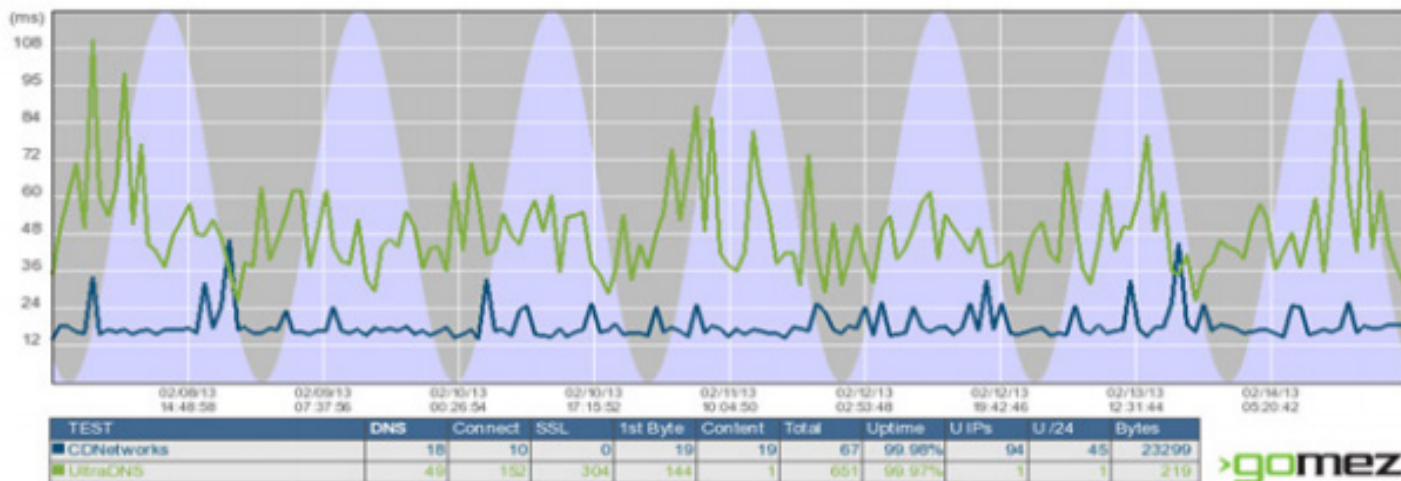


Cloud DNS Support

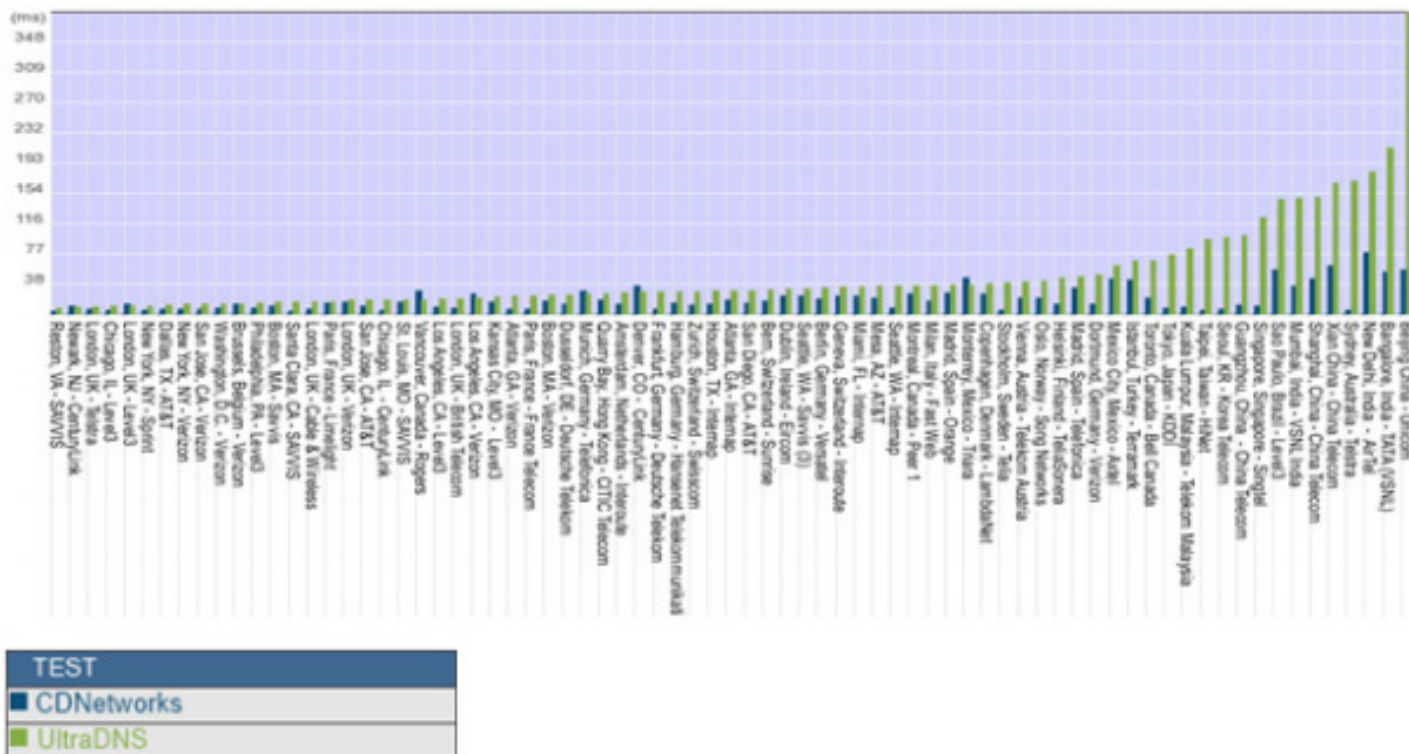
CDNetworks Cloud DNS provides unrivaled management and reporting ability through a web-based portal. The robust near real-time reporting features provide tremendous visibility into DNS traffic and customers. The CDNS portal minimizes manual configuration errors which can lead to costly outages. In addition, DNS file changes are internally verified, tested and promoted to a “staging server” for external validation before being published to production in near real-time. This ensures that DNS requests are always resolved with the latest data.

Cloud DNS Performance - Measured by Compuware™ Gomez™

Average DNS response times globally and by city between CDNetworks and UltraDNS:



DNS	TEST
18	CDNetworks
49	UltraDNS



CDNetworks Cloud DNS Zone Transfer

CDNetworks Cloud DNS supports zone transfer using the standard zone transfer protocol. Zones can be securely transferred from businesses' primary name server to Cloud DNS name servers. The transfer is performed by zone transfer server processes that run on machines which are physically separate from the name servers and are designed not to accept requests from any other sources, thereby providing an unparalleled level of security. Enabling zone transfer allows administrators to maintain existing zone administration process while leveraging the Cloud DNS platform for availability, performance, security and scalability.

CDNetworks Cloud DNS ensures that your DNS is secure and is always available to quickly and correctly respond to your users at any time and from any place in the world.