

## CLOUD DNS

### Introduction

CDNetworks offers a managed cloud-based authoritative DNS (CDNS) service that is secure, reliable and scalable and offers high performance under any traffic conditions from anywhere in the world. Implementing CDNS is as simple as three easy steps including organization of domains into zone files, zone file publishing, and delegation change through the domain registrar. Once the zone is offloaded to CDNS - our secure, reliable, scalable and global infrastructure will ensure website consistent availability and responsiveness to users around the world.



### Cloud DNS Global Points of Presence

Cloud DNS also supports zone transfer between primary name server and CDNS name servers. Transfers are performed through a process called the Zone Transfer Server (ZTS) which is physically separate from the name servers. These servers are designed to not accept requests from any other source, thereby providing an additional layer of security to the DNS system. ZTS validates zone data and notifies administrators whenever DNS changes are published to production. Further, transfers may be secured through the use of TSIG keys.

CDNS has been purpose-built to address the web performance needs of enterprises. Natively integrated with our Web Performance Suite (WPS), CDNS provides optimal performance since an additional step of resolving the CDN is eliminated. By offloading the complex task of DNS infrastructure to CDNetworks, you can concentrate on your core business, and get massively scalable, high performing, secure and an “always-on” DNS system without large upfront capital costs or technological investment.



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Features and specifications  
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## CLOUD DNS

### Key Features and Benefits

Feature	Description	Benefit
Global Infrastructure	Multiple geographic locations in 20+ cities from US to Australia	Guarantees availability, reduces impact of DDoS attacks, optimizes DNS response time, and ensures scalability supporting millions of domains and billions of queries.
IP Anycast	BGP Anycast architecture that routes requests to the topologically closest server.	Optimizes performance and availability by routing requests to the nearest available server with built in fail over protection. Nullifies DDoS attacks impact through traffic distribution.
Staging Server	DNS changes are configured on a staging server allowing administrators to conduct testing and validation.	Ensures reliability by minimizing configuration errors that can lead to costly outages.
Advanced CDN Features	Integrated component of Web Performance Suite. URL forwarding. CNAME-ing root domain.	Speeds DNS resolution by eliminating intermediary steps.
DNS Record Types	The following RR types are supported. A, CNAME, MX, NS, PTR, SOA, TXT	Supports the most common RR types easing zone delegation transfer.
Advanced Reporting	Hits (by domain, RR type, time span and geo-location). Query statistics – by performance and type.	Provides unprecedented visibility into customer traffic through DNS.
Web Management Portal	Easy UI to manage zones and all RR types.	Simplifies administration and improves reliability through reduction of manual editing errors.
Zone transfer	Transfer zones from primary name server to Cloud DNS name servers.	Supports existing DNS administration while still benefitting from Cloud DNS platform for increased availability, performance, security and scalability.
Log Reporting	Raw logs sent via FTP to a customer-designated server.	Allows administrators to perform custom analysis.
Complete Outsourcing	No hardware/software infrastructure. No system maintenance.	Reduces IT investments & costs. Quick and easy implementation.
Support	24 x 7 x 365 support	Reduced IT costs for administration and maintenance.

To learn more about CDNetworks Cloud DNS visit our website at <http://www.cdnetworks.com/solutions/cloud-dns>

