digicert ®
Ultra Products

UltraDNS Top Level Domain

Introducing UltraDNS TLD and UltraDNS TLD²

Two cutting-edge solutions that safeguard and optimize the functionality of TLD Nameservers, ensuring a seamless and protected online experience.

For more than two decades, UltraDNS has been a trusted provider of authoritative and recursive DNS services to leading enterprise brands. Our exceptional track record includes servicing top-level domains (TLDs) such as .CO, .UK, .BIZ, and more than 120 other TLDs. As the demands for availability and compliance from TLD owners continue to grow, we have expanded our offerings to address the unique commercial requirements in this community and enhance the online availability and security of TLD Nameservers.

UltraDNS TLD and UltraDNS TLD² are best-in-class cloud-based Secondary DNS services that ensure fast query responses to TLD registries and registrars, delivering high availability and providing the requisite reporting to meet regulatory compliance requirements. Whether you seek software diversity, network diversity, data collection, including delivery of raw query and response packets, or a built-in DNS Statistics Collector (DSC), DigiCert's UltraDNS TLD offers customizable packages tailored to the needs of providers. We understand the specific needs of TLD owners and are a proven provider of reliable and secure TLD Nameserver services. Trust in our expertise to handle your DNS needs so you can focus on growing and maintaining your core TLD business.

Benefits

- Collection and delivery of raw query and response packets

- Reporting integrations to ensure ICANN regulatory compliance

- TSIG authenticated zone transfer (AXFR/IXFR) over TLS (XoT)

Maximizing the online availability and security of the TLD Nameservers.

While UltraDNS TLD and UltraDNS TLD² provide many features that give you more control of the DNS protocol, we offer the following additional optional service enhancements:

Critical Infrastructure Features

- Routing Strategy to fit customer use cases. We offer a customized routing strategy to suit each customer's unique needs. Our aim is to optimize the solution based on specific use cases, ensuring the best possible outcome.

- Multiple Protocol Engine to support BIND9, Knot DNS, or NSD. This capability includes the ability to mix and match the software that you use across the network for software-level diversity.

- Built-in DNS Statistics Collector (DSC), providing enhanced data collection capabilities. Zone restoration that allows you to restore your zone to any previous version from the past seven days. This feature allows you to easily roll back changes and revert to an earlier state if needed.

- BYOIP (Bring Your Own IP) allows you to bring your own IP address space for use for customized anycast nameserver addresses.

- Monitor the health and availability of your nameservers through health checks and looking glass functionality. This allows you to ensure that your nameservers are functioning properly and are accessible to end-users.

UltraDNS TLD²

We understand that networks can sometimes experience degradation in today's interconnected world. That's why it's important to consider using redundant networks. UltraDNS TLD² provides dual DNS resolution global anycast networks that work together to provide higher availability and resilience. With UltraDNS TLD², you can use a single nameserver across both networks for optimal performance or use a separate nameserver implementation in each network in conjunction with UltraDNS TLD's protocol engine for maximum resilience.

Features

Delivered by a 20+ year market leader in managed DNS

Ensures TLD nameserver availability with a service designed for 100% SLA for DNS resolution

29 global DNS nodes

Trusted by 120+ TLDs today

Massively scaled, carrier-grade global platform and unparalleled human expertise

Cloud-based for rapid, flexible deployment and on-demand scalability

Built-in automated DDoS mitigation

Dedicated 24/7 × 365 support from our team of DNS experts

Additional Benefits of UltraDNS TLD²

- 18 additional global DNS nodes

- Distinct anycast network and routing policies

- Diverse network operations

- Multiple edge server operations

With UltraDNS TLD and UltraDNS TLD², you are backed by DigiCert's best-in-class DNS service that offers you the following:

Availability

Ensure that your zone data are always available. Backed by our industry-leading SLAs, including 100% resolution availability, change propagation, query latency, and customer support, UltraDNS TLD is delivered on the highly redundant 29-node or the 47-node UltraDNS TLD² platform distributed across six continents.

DDoS Protection

Built-in DNS DDoS protection combines local mitigation with DigiCert's UltraDDoS Protect platform to quickly defend against attacks towards the UltraDNS TLD and UltraDNS TLD² networks to ensure that DNS resolution availability is not compromised.

Performance

Our trusted authoritative networkuses BGP and IP Anycast to quickly respond to over100 billion global DNS queries per day.

Fault-tolerant Network

The UltraDNS TLD and UltraDNS TLD² networks are engineered and designed to deliver 100% availability for query resolution. By utilizing redundancy in all aspects of the service architecture, including multiple network service providers with independent delivery paths, UltraDNS can deliver the most highly available, fault-tolerant managed DNS network in the marketplace today.

No other provider has more experience with DNS management.

Trusted Experience & Commitment

No other provider has more experience with DNS management. UltraDNS has over 20 years of experience answering over 100 billion DNS queries daily. You can rely on multi-level expertise from our 24/7 × 365:

- Security Operations Center (SOC) to identify and mitigate DDoS attacks against your DNS.

- Customer Support Center to help you provision and optimize your DNS strategy.

Our mission is to optimize the performance and protection of your TLD service to ensure that with DigiCert's UltraDNS TLD or UltraDNS TLD², your TLD service is in safe hands. Take your TLD Nameservers performance, security, and availability to the next level with our powerful, best-in-class cloud-based UltraDNS TLD and UltraDNS TLD² services.

Why DigiCert?

Our mission-critical portfolio of best-in-class cloud security solutions is built on a 25-year legacy of success, driven by a relentless dedication to protecting our customers' most important assets.

Our solutions outperform others.

They are pressure tested in highly regulated industries and mission-critical applications, and run on a massively scaled, purpose-built, cloud-based security platform that effortlessly handles high traffic volumes and the largest online attacks.

Our human expertise is unparalleled.

We understand that human intelligence, knowledge, and insights are key to defeating sophisticated attackers. Our security operations center (SOC) operates around the clock and our customer service is available 24/7 to provide hands-on guidance.

We continually raise the bar with technology.

It is our responsibility to stay ahead of the increasingly nefarious attacks that target our customers every day. We continually improve our offerings with deep, broad innovation to deliver the best, most current solutions, now and always.

Ready to fortify your defenses?

We're here to help you build a resilient protection strategy tailored to your organizational needs.

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