

DATASHEET

Managed DNS.



Features

- ✓ Globally Anycasted Network
- ✓ DDoS Protected
- ✓ Single Sign On and 2-Factor Authentication
- ✓ Role Based Access Controls (RBAC)
- ✓ Built-in Monitoring and Active Failover
- ✓ Global Load Balancing
- ✓ REST API and Toolkit Integrations
- ✓ EDNS Client Subnet
- ✓ DNSSEC with full traffic management capabilities
- ✓ China Network with Name Server Acceleration
- ✓ 100% Uptime SLA
- ✓ 24x7x365 Support
- ✓ Filter Chain
- ✓ Intelligent Traffic Management
- ✓ Record Level Reporting and Dashboards
- ✓ RUM steering

DNS is mission critical for every enterprise. It directly impacts the availability, performance and security of all websites and online applications. Traditional solutions see DNS as a simple “phone book” service. This approach ignores the massive changes in application delivery that have taken place over the past ten years. The result is burdensome IT management overhead, suboptimal use of infrastructure, and reduced application performance. NS1’s next-generation Managed DNS is designed to support how today’s online services are deployed and delivered.

Managed DNS delivers industry leading performance from our globally anycasted DNS network. DNS response times and change propagation consistently beat the competition. Managed DNS has a rock solid record of reliability and is backed by a 100% uptime SLA. And, NS1 customers are supported by the most knowledgeable and customer centric team in the business.

NS1 customers come from dozens of industry verticals but they all share one thing in common – they do business in a highly competitive world. The IT strategies they use to compete include automation and DevOps, multi-cloud, CDN and edge networks. NS1 Managed DNS helps accelerate modernization initiatives, delivering what businesses need to move forward in today’s competitive world. The most recognized names in business rely on NS1 to deliver the DNS performance, reliability and security they need while leveraging our next-generation approach to automate, improve application performance, and ultimately, achieve better results for their business.

API First – Integrated and Automated

Our DNS platform is designed with an “API First” architecture. Every function of our platform is enabled via a REST API – from our role based access controls to every setting on every DNS record. We built an intuitive and easy to use GUI on top of our APIs plus an impressive list of toolkit integrations and programmatic support that allows you to manage and automate the DNS your way.

Performance

We take performance seriously and it shows. NS1 consistently delivers top tier DNS resolution times of under 30ms. This means your users get to your website faster. Compared to many of the major other providers, NS1 will cut your DNS resolution times in half or even better. We’re also focused on propagation. Your DNS updates need to take effect in seconds, not minutes or hours. Your DNS updates are propagated to every one of our POPs around the world in seconds.

Available, Reliable and Secure

Nothing is more important than your DNS. Every aspect of the NS1 DNS service is focused on ensuring 100% availability, performance and security. It starts with the network. Our globally anycasted network of POPs are connected to the multiple Tier 1 providers in every region, supplemented by connectivity from over 20 regional providers and 10 peering exchanges. The result is a self-healing IP network of unparalleled reach, capacity and performance.

DDoS Defense

NS1 has designed a multi-faceted approach to DDoS defense that combines the raw power of our massively provisioned infrastructure, distributed network and autoscaling capabilities with sophisticated monitoring, detection and filtering capabilities at every level of the protocol stack. We are also obsessive about operational readiness. We constantly analyze attacks, update our DDoS defense playbooks, and conduct fire drills and simulations to ensure peak readiness to respond at all times.

Keep Your Customers Safe

DNS Hijacking, cache poisoning and man-in-the-middle attacks are constant threats to your business and your customers. You need to ensure that when a customer clicks on a link to go to your website, the DNS safely connects them and does not allow an attacker to misdirect them. NS1 makes it easy to secure your DNS with DNSSEC. With online signing and a streamlined set-up, you can quickly ensure your users will not become victims of false DNS responses.

Redundant and Secondary DNS

Need the extra security of 2 DNS networks? NS1 has the most comprehensive support for dual DNS networks. We work with other DNS providers as a primary, as a secondary or in dual primary/hidden master mode. We also offer Dedicated DNS – the easiest to manage and most efficient dual DNS solution in the industry.

Intelligent Traffic Management

You are investing in edge POPs, data centers, CDN and cloud for a reason – to provide great application performance at the lowest possible price. Traditional DNS platforms do very little to optimize your investment, typically just static geo approximations and fixed round robin load balancing. NS1 is the only DNS platform that has real time, end to end awareness of the infrastructure – from the state of the internet to the availability and load at each of your POPs. Using this rich set of network intelligence, NS1 delivers DNS responses that send each of your users to the optimal end point, ensuring they experience the best possible application performance.

The Filter Chain

NS1’s Filter Chain™ is a powerful yet easy to use drag and drop logic engine that allows you to easily create the traffic management rules that fit the needs of your business. You can direct traffic based on a combination of metrics including system health, geography, network latency, ASN, system load, bandwidth commits, and much more. NS1 is the only DNS that uses real-time telemetry to send every user to the POP that will deliver the best possible online experience for that user at that time.

The NS1 Difference

DNS is the first decision point in connecting a user to an online application. This decision point is an opportunity. It is an opportunity to intelligently connect users and manage traffic across a complex and dynamic infrastructure. NS1 Managed DNS lowers IT overhead, enables more efficient use of infrastructure and delivers better application performance where it counts - at your end user’s device. The results are impressive. Check out our customer stories and see how NS1 could help your business.

