

DATASHEET

Dedicated DNS.

Although modern managed DNS services are designed for high availability, they are not immune from service interruptions. DNS redundancy is now a must have for many enterprises, but deploying a redundant DNS infrastructure with two different DNS providers often involves trade-offs in cost, manageability and performance. Dedicated DNS from NS1 is a no compromises, redundant DNS solution that does away with the trade-offs. No need to settle for less.



- ▶ Dedicated DNS is a Turnkey managed service for customers looking for an easy way to achieve **DNS redundancy**.

Your Dedicated DNS deployment is not shared with other customers. It is fully isolated from any service impacting issues on Managed DNS.



The Challenge of DNS Redundancy

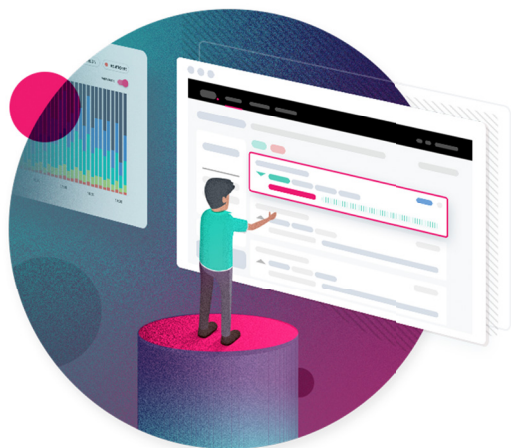
In theory, establishing a dual provider network for DNS should be straightforward. The step by step process comprises setting up a service from two DNS providers, transferring the DNS records to both, and notifying a DNS registrar of the authoritative servers from both providers. DNS queries are then answered by the servers from both providers. If one provider goes down, queries are automatically directed to and answered by the other.

Dual provider redundancy gets complicated for enterprises that rely on the advanced routing and traffic management features that many DNS providers offer.

These features are not part of standard RFC compliant DNS and no two providers implement them in the same way. In addition, no two providers offer the same set of advanced features.

Thus it becomes problematic to maintain a compatible set of records with two DNS providers. It can mean a lot of manual effort both in initial set up as well as when updates are needed. This alone is a risk to reliability.

It can also mean reverting to a common denominator feature set and foregoing certain advanced capabilities that enable the quality of user experience the customers have learned to expect. In an ideal world, enterprises could gain the reliability of dual provider DNS without having to deal with record management complexity and loss of advanced features.



Dedicated DNS: A Unique Answer for NS1 Customers

Dedicated DNS is a complete, turnkey solution to the challenge of redundant DNS. It is managed by NS1. NS1 takes responsibility for deploying all hardware, software and networking to deliver an anycasted DNS service dedicated to your zones. We work with our world class networking and IaaS provider partners to configure a DNS delivery infrastructure completely separate from the NS1 Managed DNS.

From the customer perspective, setup and management could not be any easier. Records are automatically enabled on the dedicated nodes with a couple of mouse clicks on the NS1 management portal. Updates are simultaneously transferred seamlessly to all nodes on both the Dedicated and Managed networks. And there is no loss of functionality.

You get one bill from NS1 for the combined service, payable monthly or annually. All support and maintenance is taken care of by NS1.

FEATURES

Deployed on separate, anycasted network

Network Redundancy. Redundant DNS services are not impacted by network failures or congestion in the primary DNS

Deployed on separate, Dedicated servers

Server and facilities redundancy that mitigate the risk of localized infrastructure failures, power outages and other events.

Designed to meet scale and performance needs

Design and implementation services from NS1 ensure the Redundant DNS service is scaled to meet your availability and performance requirements.

Single pane of glass management

Maintain your DNS zones, records and advanced traffic management in a single console. All changes are made once and automatically propagated to all DNS nodes.

One bill

A single provider and a single bill – simplified vendor management.

One call for support

Single point of contact for all support issues across your entire DNS deployment.