DEDICATED DNS.

GAIN THE POWER AND FLEXIBILITY OF THE NS1 PLATFORM ON YOUR OWN INFRASTRUCTURE

Enterprises widely rely on managed DNS services for their public internet presence. However, there are many mission critical use cases that the public, shared services of a managed DNS are unable to address. As a result, enterprises have been forced into siloed approaches that add cost and complexity to their IT operations. Dedicated DNS enables enterprises to address their internal and external DNS requirements under a unified platform.

NS1.

TRADITIONAL APPROACHES TO INTERNAL DNS

Most IT teams take one of two approaches to internal DNS. One is to deploy an open source DNS implementation, with the attendant responsibilities of maintaining the DNS software, securing the servers and operating systems, and ensuring 100% availability across the enterprise. The other approach is to deploy purpose built DNS appliances. This is capex and opex heavy due to the costs of buying appliances plus the added maintenance and support fees.

Neither of these approaches integrate with the public managed DNS, resulting in complex zone and record management issues.

A NEW APPROACH

Dedicated DNS is a managed service but it is deployed on your own infrastructure and is dedicated to serving only your zones and records. It is not shared with other enterprises. It can be deployed on your internal network to deliver DNS services for employees as well as internal DNS service discovery for devices, applications, and services. It can also be deployed as a public authoritative DNS to provide redundancy for your Managed DNS service from NS1.

- Dedicated DNS is sold as a service. No appliances to buy and NS1 takes care of monitoring and maintaining the system.

- Unified management with NS1 Managed DNS service. This provides unified, single pane of glass management of all your DNS zones and records.

Dedicated DNS solves many of the complex DNS challenges facing enterprise IT

Hybrid DNS

As network perimeters continue to break down, the traditional siloed model of separate DNS for internal and external services makes less and less sense. Dedicated DNS allows you to integrate your external and internal DNS where advantageous, while maintaining separation where necessary, all under one DNS management system. No separate consoles, no dealing with multiple suppliers, code versions, and incompatible feature sets. Dedicated DNS gives you the flexibility to deploy DNS servers exactly where they are needed while gaining the advantages of a DNS as a Service.

Secondary DNS

Enterprises are increasingly aware of the need for redundancy in their DNS. However, there is little standardization of advanced DNS traffic management amongst managed DNS providers. As a result, dual provider DNS solutions can be difficult to implement. Dedicated DNS together with Managed DNS offers complete server and network redundancy, integrated "single pane of glass" zone and record management, and all the advanced traffic management of the NS1 platform.

Internal DNS

Until now, enterprises have had two choices for providing internal DNS and service discovery within their private networks: Employ a "build your own" DNS solution using available open-source platforms, or buy expensive, proprietary appliances. Dedicated DNS offers a new and better way. Our API first platform and DevOps integrations simplify and automate DNS records management and service discovery. Because it is a managed service there are no big capital outlays and NS1 takes care of maintenance and operations.

FEATURES

Advanced Traffic Management	Make real time traffic management decisions on the basis of metrics critical to your application's performance.
Full Featured REST API and CLI	Easily control all aspects of the platform. Automate service discovery and the commissioning and decommissioning of assets.
Filter Chain technology	Simple point-and-click customization of metric-based routing algorithms. Use telemetry from load balancers and servers to intelligently route traffic to the optimal location.
DevOps Integrations and SDKs	Manage DNS using data center orchestration and infrastructure as code tools such as Ansible, Terraform, Mesos, Go, PHP, and Python.
Flexible Deployment	Deploy on bare metal, virtual systems, public or private cloud.
NS1 Support and Design	NS1 expertise and design services can help you solve your most complex DNS challenges.

NS1.