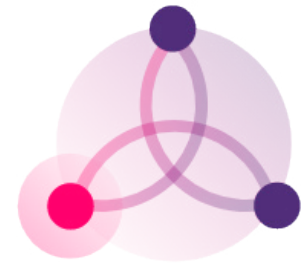


Datasheet

# NS1 Enterprise DDI

## DNS, DHCP and IP Address Management

Enterprises are developing and deploying applications faster and more efficiently than ever before. To realize this outcome, Network Engineers and DevOps teams need to accelerate delivery of underlying network services and infrastructure as they adopt and integrate new cloud platforms, tools, and DevOps processes. Traditional DDI solutions are typically encumbered by complex UI and workflows, expensive hardware and poorly performing APIs. Built on a modern, API-first architecture, NS1 Enterprise DDI helps teams achieve agility, reduces costs and improves IT efficiency.



## Next-Generation DNS

NS1 Enterprise DDI includes our next-generation DNS, designed for automation, integration and granular control over application delivery and network services workflows.

## Integrated DHCP and IPAM

Gain workflow efficiency and visibility across complex, hybrid infrastructure. Give your network and DevOps teams the power to deploy network services faster than ever before.

## Advanced Traffic Steering

Control the flow of application and user traffic for improved performance, availability and security.



## The NS1 Enterprise DDI Platform

- Drive Agility. Accelerate delivery of network services by automating routine and cumbersome network administration tasks using powerful and comprehensive APIs.
- Modern UI with intuitive workflows. Our platform is designed to get your teams up and running fast. No steep learning curve before your teams can be productive.
- Fast API Performance. Large scale automation requires a DDI solution that provides comprehensive set of APIs and can process high rates of API calls. NS1's API-first platform scales to meet the most demanding automation driven environments.
- Built for DevOps. Eliminate DNS change control bottlenecks that can delay deployments by days or even weeks. NS1 Enterprise DDI makes it easy to safely and securely give your DevOps teams the autonomy to manage their own updates.
- Flexible and portable. Eliminate complexity and save costs by deploying a DDI solution from the same technology provider across multiple environments - public cloud, private cloud, containers, VMs, or bare-metal.
- Easy to scale. Don't be constrained by artificial limits imposed by traditional DDI vendors. NS1 DDI's containerized solution enables you to scale in a frictionless manner to meet the growing demands of your network.
- Boost performance, reduce costs.
  - NS1's advanced DNS Traffic Steering makes it easy to manage traffic and workloads across your wide area network. Replace your outdated GSLB appliance with NS1's modern, vendor agnostic approach to GSLB and traffic steering.
  - NS1's small footprint allows network administrators to deliver network services closest to the edge/client - for example, NS1's DDI can be deployed on Linux switches at remote locations.
- Break down silos. Unify DevOps and Network Operations teams with one network services and traffic management solution that meets the needs of both these teams.

Features	
<b>DNS</b>	Deploy next-generation DNS servers to your network with comprehensive record type support including unknown types (RFC 3597).
<b>DHCP</b>	Create scopes, automate DNS updates and manage leases. Support for DHCPv4/DHCPv6 common options and custom DHCP options.
<b>IPAM</b>	View and manage the address space, including networks, subnets and hosts. Manually and/or dynamically assign IPs.
<b>Advanced Traffic Steering</b>	Leverage NS1's Filter Chain Technology to control application workloads to meet your internal performance and uptime SLAs.
<b>REST APIs, SDKs and Integrations</b>	Automate tasks and orchestrate using Infrastructure as Code (IaC) tools such as Ansible, Terraform, Mesos, Go, PHP, Python. Integrate with ServiceNow and Consul.
<b>API Performance</b>	Fast DNS Change Propagation and modern API-first architecture supports high scale network service automation.
<b>Active Directory Integration</b>	Implement granular, zone-level permissions for read or write access for Active Directory users and groups.
<b>High Availability</b>	Protect your single source of truth with automated failover of DDI database services.
<b>Distribution Media</b>	Rapidly deploy and upgrade with NS1's containerized solution.
<b>Subscription Licensing</b>	Avoid CapEx-heavy expenditures, hardware maintenance fees, and "rip and replace" every 3-5 years.
<b>Support &amp; Maintenance</b>	24x7x365. Migration, training, and professional services available.

## Proven Technology

The software comprising NS1 Enterprise DDI is built on the same software platform that powers NS1 Managed DNS. The scale, performance and reliability of this platform has been battle tested by the most demanding customers and applications on the internet today.