



NS1 Enterprise DDI

Modern 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.

NS1 Enterprise DDI delivers best in class performance and resiliency for DDI. The built-in failover mechanism provides automated database failover, resulting in five-nines uptime. With the increasing complexity of multi-cloud, hybrid cloud adoption, distributed global workforces, cloud native, and software only environments, API-first solutions are a must to as they allow companies to scale up and down to meet the needs of the elastic network in a dynamic environment.

In addition, NS1 Enterprise DDI forms an integral part of Zero Trust Network by automating some of the manual error probe tasks and providing the single source of truth for all your network devices and configuration that can be used to create micro segmentation and policies for your network.

Next-generation DNS

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

Integrated DHCP and IPAM

Comprehensive, automated network services that enable 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

Patented, code-free Filter Chain™ technology allows for control over the flow of application and user traffic for improved performance, availability, and visibility.

NS1 Professional Services

NS1 Professional Services delivered by a team of engagement managers and engineers who will closely work with you to design a project plan and systems architecture tailored to your requirements. NS1's Professional Services resources will function as an extension of your teams as they guide you through the onboarding process and arm you with the expertise to operate our solutions.

The NS1 Enterprise DDI Platform

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 have been battle-tested by the most demanding customers and applications on the internet today.

- **Modern UI with intuitive workflows.** Leveraging Service Control Center (SCC), improve productivity and eliminate steep learning curves with our simple and consistent management UI across internal and external DNS.
- **Agile and Automated.** Accelerate delivery of network services by automating routine and cumbersome network administration tasks using powerful and comprehensive APIs. Scale to meet the most demanding automation driven environments with our API-first platform.
- **Built for NetOps and 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 NetOps and 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. Deliver network services closest to the edge/client - for example, NS1's DDI can be deployed on Linux switches at remote locations.
- **Easy to scale.** Seamlessly scale to meet the growing and evolving demands of your network by eliminating constraints and complexity of hardware based solutions.
- **Boosts performance, reduces costs.** Manage traffic and workloads across your network with DNS Traffic Steering. Support canary releases, disaster recovery, geo-fencing, geo-targeting, internal content delivery and more.
- **Breaks down silos.** Unify DevOps and Network Operations teams with one network services and traffic management solution that meets the needs of both these teams
- **Enterprise-grade security.** Strengthen zero-trust policy with pull-based connection mechanism initiated by the edge nodes to the controller cores eliminating unnecessary pin-holes on internal firewalls. Gain visibility and control over internal and external traffic DNS flows with **Cisco Umbrella Integration**. Prevent unauthorized access and ensure compliance with corporate security policies with robust access controls and logging.

Features

DNS

Deploy next-generation DNS servers to your network with comprehensive record type support including unknown types (RFC 3597).

DHCP

Create scopes, automate DNS updates, and manage leases. Support for DHCPv4/DHCPv6 standard options and custom DHCP options.

IPAM

View and manage the address space, including networks, subnets, and hosts. Manually and/or dynamically assign IPs.

Advanced Traffic Steering

Ensure high levels of performance and maximize availability of your internal applications by traversing seamlessly across the corporate network with NS1's patented Filter Chain Technology.

REST APIs, SDKs and Integrations

Automate tasks and orchestrate using Infrastructure as Code (IaC) tools such as Ansible, Terraform, Mesos, Go, PHP, Python. Integrate with ServiceNow and Consul.

API Performance

Import AD zones for effortless migration and implement granular, zone-level read/write permissions for Active Directory users and groups.

High Availability

Protect your single source of truth with automated failover of DDI database services.

Enterprise-grade Security

Effortlessly comply with corporate security policies using our zero-trust architecture, integration with Cisco Umbrella, role based access controls and activity logging.

Distribution Media

Rapidly deploy and upgrade with NS1's containerized solution.

Subscription Licensing

Avoid CapEx-heavy expenditures, hardware maintenance fees, and "rip and replace" every 3-5 years.

Services

Support & Maintenance

24x7x365 Support

Starter Services Package

- 40 professional services hours
- Best for greenfield deployments
- Includes basic launch plan with installation assistance and essential training modules

Migration Services Package

- 120+ professional services hours
- Best for moving off legacy provider
- Includes detailed project plan and architecture design, hands-on installation and migration services

