

IBM NS1 Connect

Improve end-user experiences,
add resilience and lower costs



Highlights

Ensure uptime and
maximize application
and website performance

Improve user experiences
and reliability with innovative
traffic steering

Automate DNS management
with an API-first architecture

When applications and websites are primary drivers of revenue, network architects and traffic management teams must ensure an optimal experience for every user. Self-hosted authoritative DNS is expensive, difficult to deploy and maintain, and can't be automated. And other DNS platforms lack the breadth and depth of functionality that sophisticated, global enterprises need to set themselves apart.

The IBM® NS1 Connect solution combines a resilient network with best-in-class DNS propagation and response times as well as intelligent traffic steering.¹ This combination grants enterprises modern controls over the way users experience Internet-facing applications, transforming the speed and reliability of your app and website connections into competitive differentiators.

Deliver lightning-fast, seamless connections to your users with the following optional features, all in a single platform with robust API:

- Customizable traffic-routing policies
- Actionable data insights
- Redundant failover systems
- Specialized routing for mainland China



Ensure uptime and maximize application and website performance

IBM NS1 Connect features a resilient global network architecture with 26 points of presence (PoPs) and a 100% uptime SLA.² Defend against distributed denial of service (DDoS) attacks with massively provisioned infrastructure, autoscaling, sophisticated detection and filtering capabilities.

Add dedicated DNS for DNS redundancy without the hassle of having to manage two separate DNS solutions. IBM NS1 Connect Dedicated DNS is a single-tenant, physically and logically separated instance that you can manage from a single control panel.

IBM NS1 Connect Managed DNS for China further improves application performance by segregating traffic originating in mainland China into a separate, unicast network. This add-on can increase connection speeds by 200% in mainland China and prevents traffic in surrounding countries from accidentally traversing the “Great Firewall”.³

Improve user experiences and reliability with innovative traffic steering

IBM NS1 Connect uses traffic steering to improve connection speeds, control back-end delivery costs and reroute connections around deprecated systems. This is achieved through easily configurable, no-code policies that address a wide variety of use cases, such as:

- Load balancing
- Load shedding
- Failover
- Latency routing
- Geographic routing

IBM NS1 Connect gives you the flexibility to plug in a wide variety of data sources to guide traffic steering decisions. From health check monitors to sophisticated real user monitoring (RUM) data, you’ll have many options to customize DNS decision-making.

Automate DNS management with an API-first architecture

With IBM NS1 Connect, you can customize, integrate and automate network services within an API-first infrastructure. You can also automate tasks and orchestrate using Ansible, Terraform and other popular network automation tools.

Conclusion

IBM NS1 Connect is an easy-to-use, feature-rich tool for DNS management that you can quickly have up and running. Ideal for businesses whose needs have advanced beyond what basic registrar solutions can provide, IBM NS1 Connect offers the power of a premium, full-featured, managed DNS offering.

Why IBM?

IBM NS1 Connect delivers all the basic features you can expect from a managed DNS solution—100% uptime, global network of PoPs and DDoS protection.

Only IBM NS1 Connect offers the wide range of customizable traffic steering options, fast propagation times, API-first architecture, single-tenant redundant layer and specialized China network that help differentiate your business.

For more information

To learn more about IBM NS1 Connect, contact your IBM representative or IBM Business Partner, or visit ibm.com/products/ns1-connect.

1. DNS Performance Analytics and Comparison, DNSPerf, accessed 18 September 2023
2. CSA Service Description, NS1
3. NS1 Connect Performance, NS1, 24 September 2023

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