

# **Infoblox NIOS And Nile Access Service Interoperability Guide**

With the explosion of devices on the network, the new model of the hybrid workforce, and cloud adoption driving more traffic to the internet, delivering core network services is complex. DDI provides a unified platform for three critical network services: DNS (Domain Name System), DHCP (Dynamic Host Configuration Protocol), and IPAM (IP address management). DNS maps web domains to IP addresses. DHCP assigns IP addresses to network elements, and IPAM helps organizations to manage those IP addresses. These network services make IT teams more efficient and give them greater control and visibility over network resources.

Enterprise organizations have increasingly implemented DDI in recent years. Researchers predict that this trend will likely continue, with sources predicting 15-17% growth in the market. This growth is driven by such factors as the increasing adoption of IoT, BYOD, virtualization, and IPv6. 1,2

Infoblox® NIOS is the industry's first cloud-managed DDI solution that enables IT to centrally control and automate DNS, DHCP, and IP address management (DDI) for hybrid and multi-cloud networks. NIOS eliminates the complexity and bottlenecks in large-scale distributed networks.

### Joint Solution Components

- Nile Access Service
- Infoblox NIOS

### Joint Solution Benefits

- Simplifies delivery of core network services with the combination of NaaS and DDI.
- Delivers unified visibility over network performance and core network services.
- Scales to meet the needs of very large enterprises while maintaining simplicity.
- Automates network service provisioning and routine network management tasks for DNS, DHCP, and IPAM.
- Delivers a superior end-user experience with high-performance connectivity and efficient network services.

VIDEO

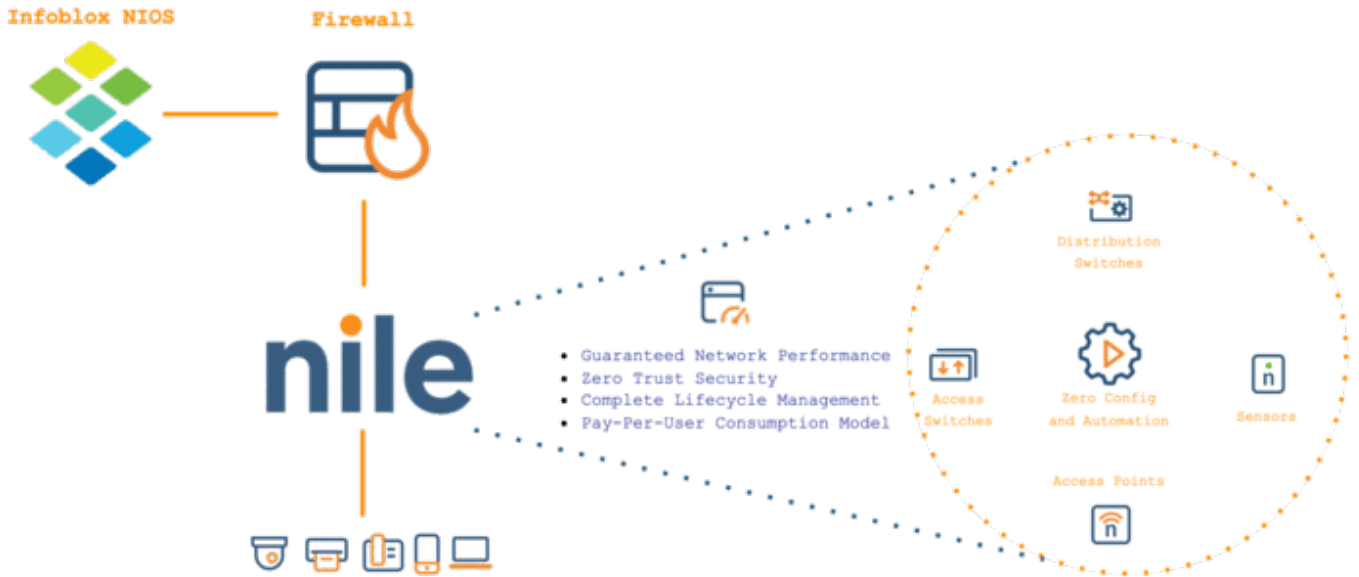
Infoblox NIOS and Nile Access Service Demo

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Nile Access Service is an enterprise wired and wireless network as a service that guarantees network performance with SLAs for availability, coverage, and capacity. It simplifies life for IT with complete lifecycle management. It secures the network with powerful zero-trust security and lowers TCO with a simple as a service consumption model.

Nile Access Service works with Infoblox NIOS to simplify and streamline the delivery of network services for DHCP, DNS, and IP address management. The Nile service continuously monitors Infoblox NIOS cloud-managed DHCP and DNS services through the Nile Portal, allowing IT teams

to drill down on any issues with these critical network services. IT can configure alerts for DHCP and DNS failures to receive notifications by email.



Nile Access Service and Infoblox NIOS DDI complement one another as elements of a cloud-first networking strategy. They both enhance end-user experience with maximum performance and availability. They dramatically reduce complexity by automating routine management tasks or letting IT teams offload them. IT teams gain increased visibility into network operations.

## About Infoblox

Infoblox unites networking and security to deliver unmatched performance and protection. Trusted by Fortune 100 companies and emerging innovators, we provide real-time visibility and control over who and what connects to your network, so your organization runs faster and stops threats earlier.

## About Nile

Nile delivers the enterprise network entirely as a service. Re-engineered from the ground up to guarantee network performance, backed by easily verifiable

SLAs. Nile completely manages the entire network lifecycle. With Nile, you get a NaaS experience that is rich in performance, foundationally secure, and effortlessly simple—all delivered in a simple, scalable, and flexible pay-per-user model.

For more details, see the [Infoblox NIOS and Nile Access Service Integration Guide](#).

<sup>1</sup> [DDI Market by Component \(Solutions and Services\), Application \(Network Automation, Virtualization and Cloud, Data Center Transformation, Network Security\), Deployment Mode, Organization Size, Vertical, and Region – Global Forecast to 2026](#)

<sup>2</sup> [DDI Market Outlook \(2023 to 2033\)](#)