infoblox

Multi-cloud network integration, automation, visibility and control for the hybrid enterprise
NIOS 8.6.1

NIOS 8.6.1 extends more than two decades of ongoing Infoblox commitment to customers with continued investment in the market-leading Network Identity Operating System (NIOS). This latest release builds on the reliable and robust NIOS 8.x platform to expand multi-cloud integrations and automation, deliver stronger DNS, DHCP and IPAM (DDI) and enhance enterprise security to ensure a secure, cloud-first networking experience. Developed from global customer requests and market insights, these new features enrich NIOS's key platform values, including unified management visibility and control, multi-cloud API integration and automation, DNS encrypted security and reliable, robust, mission-critical DDI for all hybrid networks today and for the future.

BUSINESS CHALLENGES

Over the past two years, organizations have been forced to re-evaluate priorities, reconsider how best to work together and re-envision workplace technologies to enable productivity while managing costs. Many realize that modernizing infrastructure is key to increasing agility. Enhancing the digital customer experience is essential for accelerating revenue. Yet re-platforming vs. modernizing and integrating legacy systems with cloud environments are not for the faint of heart. Visibility, user access to on-premises, hybrid multi-cloud and pure cloud environments, high availability, application uptime, performance and resilience present considerable challenges. Network security and scalability issues are escalating from BYOD, mobility and IoT endpoint expansion. Organizations are seeking ways to simplify workflows, connect existing technologies with modern tools and automate for reliability, performance and cost control. The demand for dependable, secure networks that deliver agility, simplified processes, automation, templated integrations, and robust APIs has never been greater. Infoblox NIOS and its latest 8.6.1 release help you solve these challenges with multi-cloud and core network integration, automation, visibility and control for the hybrid enterprise.

THE SOLUTION—NIOS 8.6.1 BENEFITS

Workplace Modernization with Extended Multi-Cloud Integration and Automation

vNIOS for Ansible Collection—Improved User Experience and Automation

The Ansible Galaxy Collection delivers an improved user experience in NIOS 8.6.1 by combining DNS, DHCP and IPAM capabilities in Ansible workflows and enabling automation of VM workloads across multiple platforms. The nios_ modules collection provides modules and plug-ins for managing networks,

RELEASE BENEFITS

Expanded Workplace Modernization
Extended vNIOS multi-cloud integrations and automation for hybrid workplace transformation

Stronger DDI for Improved Visibility, User Experience and Control
New and enhanced customer-centric capabilities for hybrid core DNS, DHCP, IPAM (DDI) and value-added services

Advanced Enterprise Security
Added security to protect DNS data and infrastructure

IP address and DNS records. DNS Traffic Control (DTC) is now also supported so users can leverage Infoblox through Ansible for global server load balancing (GSLB) to ensure critical application and resource availability and uptime.

vNIOS for Azure Stack–Extended Flexibility and Scalability

Organizations can now operate virtual appliances both on Azure and Azure Stack with NIOS 8.6.1. Within Azure Stack, teams can run Infoblox DNS and IPAM, DHCP services and vDiscovery for detecting resources and cloud endpoints. Azure Stack Government is also supported. This on-premises cloud integration offers the ultimate flexibility and scalability for Azure deployments.

vNIOS 4015 KVM Appliance for Red Hat OpenShift–Advanced Automation for Simplified Workflows

NIOS 8.6.1 adds the larger capacity 4015 KVM appliance to the 2225 in the vNIOS lineup to run as a VM and serve DNS on Red Hat OpenShift, the leading Kubernetes container-based automation platform.
This addition saves time and money and simplifies infrastructure and workflows by delivering DNS through OpenShift to manage services and zones without having to rely on DNS running elsewhere. It also allows large enterprises and service providers to manage numerous servers and migrate to containerized architectures.

VMware vRO 8.0 Support–Increased Control

A new vNIOS IPAM plug-in is now available to support the latest VMware vRO v8.0 functionality for DDI VM provisioning, deprovisioning and workflows.

Stronger DDI for Improved Visibility, User Experience and Control

API Extended Token Sessions–Enhanced User Experience

NIOS 8.6.1 expands the user experience by extending RESTful API token sessions to reduce the frequency of reinitiating time-out logins, allowing multiple WAPI calls before sessions expire and enabling configurable time intervals.

CLI NTP Server and Grid Manager Sync–Greater Control

This NIOS 8.6.1 CLI command delivers better user experience and greater control by syncing Network Time Protocol (NTP) data with NTP servers or Grid Managers (GMs) for a consistent timestamp reference.

Disable Splunk Syslog Messages–Better Visibility

An abundance of Splunk reporting messages can sometimes fill up syslogs, consume resources and make it difficult to find important data. This new feature improves visibility and user experience by disabling extraneous Reporting & Analytics Splunk syslog messages and conserving resources so you can quickly locate the data you need most.

DTC Extensible Attribute (EA) Topology Ruleset for Containers and Hosts–Improved Flexibility

With NIOS 8.6.1, improvements add flexibility and enrich user experience in DTC by enabling the creation of topology rulesets based on Extensible Attribute metatag data to manage and control network containers and hosts.

DTC Grid Member Candidate (GMC) Member Health Status Display– Enriched Visibility into System Health

The ability to check the health status of servers, pools and LBDNs is essential for network uptime, performance and load balancing. NIOS 8.6.1 increases visibility and user experience by displaying responses to API health checks and allowing customer-initiated API calls to the Grid Member Candidate to confirm member health status.

NameServer Group Lead Secondary Overview–Advanced Configurability

Infoblox enhances visibility and user experience in NIOS 8.6.1 by displaying the lead secondary member in the NameServer Group overview to improve configuration and troubleshooting.

Network Insight LWAP Display–Easier Resource Discovery and Administration

NIOS 8.6.1 enables the capture and display of Light Weight Access Point (LWAP) information (e.g., name, vendor, model, MAC address, etc.) using Network Insight and controller SNMP polling to improve network resource discovery, visibility and control.

WAPI Host Record Creation Time–Broader Insight into Host Records

Infoblox NIOS 8.6.1 improves the user experience by enabling and displaying the creation timestamp for WAPI host records.

Advanced Enterprise Security for Data and Infrastructure Protection

Elliptic Curve Digital Signature Algorithm (ECDSA) for DNSSEC and Zone Signing–Stronger Data Security

NIOS 8.6.1 introduces ECDSA as a key algorithm choice for DNSSEC and signing zones to ensure security, enhance processing speed and performance using shorter encryption keys and protect data from unauthorized alterations.

For additional technical information, please see the NIOS 8.6.1 (GA 11/30/21) Release Notes located in the Infoblox Support Portal at https://support.infoblox.com.

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.

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