NIOS DDI and Value-Added Solutions features and capabilities

For more than two decades, Infoblox has been the innovation leader in DNS, DHCP and IP address management (DDI). Infoblox DDI products and services provide the foundation for secure data centers, virtualized networks and hybrid, multi-cloud environments of any size—today and into the future. The following table highlights select capabilities of Infoblox NIOS (Network Identity Operating System) and Value-Added Solutions.

CRITICAL NETWORK SERVICES

Select DDI Features & Capabilities			
DNS	DDIGD[1] or NS1GD License	Authoritative DNS	DNS64
		DDNS Updates	DNSSEC Signing & Validation
		DNS Anycast	Fault Tolerant Caching
		DNS Blocklisting & Blackholing	GSS-TSIG Support
		DNS Firewall (DFW)(RPZ)	High-Performance Query Monitoring
		DNS Forwarding Proxy (DFP)	Name Server Groups
		DNS Record Aging & Scavenging	Recursive DNS & Secondary Authoritative Services
		DNS Views	Secure Dynamic Update
		DNS Zone Data Import, Export & Transfers	Shared Record Groups
DHCP	DDIGD or NS1GD License	DHCP Failover	Shared Record Groups
		DHCP Filtering	DHCP Server Configuration
		DHCP Fingerprinting	DHCP Utilization Thresholds
		DHCP Fixed Addresses	IPv4 and IPv6 Support
		DHCP Notifications, Alerts & Forwarding	Network Templates (Fixed Address & Ranges)
IPAM	DDIGD or NS1GD License	CSV Import & Export	IPAM Utilization Thresholds
		Extensible Attributes & Smart Folders	IPAM Visualization & Reservations
		IPAM Discovery & vDiscovery	VLAN Management
		Network Views & Overlapping Address Space	

[1] *The latest Trinzic X6 appliance platform runs on NIOS 9 or higher and includes CP, DFW, and DTC in the DDIGD license.*

DDIGD License – Trinzic X6 family
NS1GD License – Trinzic X5 family

Select DDI Features & Capabilities

Grid	DDIGD or NS1GD License	Approval Workflows	HA using Virtual Router Redundancy Protocol (VRRP)
		Authentication: Local DB, LDAP, RADIUS, SAML & SSO	Manual & Scheduled Backup & Restore
		Auto-Provisioning	NTP Server & NTP Client
		Automated Software Updates Centralized, Groups & Scheduling	Out-of-Band Management
		Centralized Licensing Repository	Recycle Bin
		Customized Dashboards	Role-Based Access Control (RBAC)
		Encrypted Communications between Members	Secure, Hardened Hardware & Virtual
		Grid Member Candidates (GMCs) for DR & Redundancy	TFTP/HTTP File Distribution
APIs	DDIGD or NS1GD License	Cloud API	Outbound API (Ecosystem License)
		REST BasedWeb API (WAPI)	Perl API (PAPI)
Cloud Public	DDIGD or NS1GD License	AWS Cloud Support	Google Cloud Platform (GCP)
		Azure Cloud & Azure Stack Support	Oracle Cloud Infrastructure (OCI) Support
Cloud Private	DDIGD or NS1GD License	Nutanix Support	OpenStack Support
		Red Hat OpenShift Support	VMware Support
Cloud vNIOS Hypervisors	DDIGD or NS1GD License	KVM Support	Nutanix Acropolis Hypervisor
		Microsoft Hyper-V Support	VMware ESXi Support
Cloud vNIOS IPAM Integration & Orchestration	DDIGD[1] or NS1GD License	Ansible Collection Support	Terraform Support
		Calm (3rd Party) Support	VMware Support
		Docker Support	NIOS Grid Connector (View DDI Data in the Cloud)
		Kubernetes Support (API)	Cloud Platform (CP) Infoblox Appliances Support
		OpenStack Support	
Logging	DDIGD or NS1GD License	Customer Facing Logs (Download & View)	Microsoft DNS/DHCP Log Capture
		Log Forwarding to On-Premises (via Cloud Data Connector)	Internal Syslog Viewing & Remote Syslog

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NS1GD License – Trinzic X5 family

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VALUE-ADDED SOLUTIONS (VAS)

Select VAS Features & Capabilities			
Network Insight (NI) On-Premises Discovery	NIGD License	Network Device & Endpoint Layer 2 Physical & Layer 3 Logical Discovery & vDiscovery	Automatically Convert Discovered Assets to IPAM Objects, Configure Routers & Switch Ports
		IP Addresses, Subnets, Interfaces, Components, SDN/SD-WAN & Topology Discovery	Switch-Port Management
		IPAM Integration, Visibility & IP Conflict Detection	VLAN Management
		Extensible with > 100 Supported Vendors	Device/OS Lifecycle, Security Advisories, Compliance & Violation Remediation
Cloud Network Automation (CNA) Multi-Cloud Discovery	CNA License	Automated DDI Cloud Discovery & vDiscovery	Single Control Plane Management
		DDI Auditing, Automation & Reporting	Open RESTful API Orchestration Tool Integration
		Route 53 Sync	
IPAM for Microsoft (MSM) Discovery & Sync Overlay	MSM License	Active Directory (AD) Sites & Services Management & Sync	DHCP Sync for MS Servers
		Agentless Component Syncing	AD User-IP Address Identity Mapping in IPAM
		DNS Sync for MS Servers	
DNS Traffic Control (DTC) Global Server Load Balancing	DDIGD[1] or DTC License	DTC Global Server Load Balancing	LBDN, Pool & Server Management
		DNS & IPAM Integration	Real-Time Configuration Testing
		Industry Load - Balancing Algorithms	Subnet, GeoIP & Extensible Attributes
		Intelligent Health Monitors	Visual GUI & Single Control Plane
Reporting & Analytics (R&A) Integrated Reporting	v5005 Activation with Indexing xxGB	100+ Templated & Customizable Dashboards & Reports	Predictive Analytics & Query & Response Logging
		Centralized Data Archival	Scalable Indexing (500MB-20GB)
		Integrations with Cloud, DDI, DTC & Ecosystem	Splunk-Based Alerting, Reporting & Visualization

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The features and capabilities noted above are a selected excerpt of the robust functionality available in the Network Identity Operating System (NIOS). For more information, please consult your Infoblox Solution Architect or documentation available in the Infoblox Documentation Portal.

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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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