

# Infoblox Universal DDI Management™

## Unified critical network services for visibility, automation and control of hybrid and multi-cloud environments

### OVERVIEW & CHALLENGES

Businesses are embracing hybrid (i.e., on-premises, public and private cloud) and multi-cloud deployments to modernize their infrastructures, with many organizations using two or more public cloud providers. These trends are driven by the need to innovate faster, streamline operations, modernize workloads and even integrate environments during and after mergers and acquisitions. However, deploying and managing critical network services, such as DNS, DHCP and IP address management has become a major challenge.

The main issue is that cloud services and workflows from any one provider don't extend across providers or manage on-premises deployments. This creates configuration challenges when managing multiple environments, with organizations managing separate services for each provider or deployment. The results are complex and error-prone manual connections that lead to service outages, delays and increased operational costs. Automation is also problematic, as each provider offers different tools or vendor-specific application programming interfaces (APIs), resulting in costly and complex operations, deployment delays and higher operational costs.

### THE INFOBLOX SOLUTION

Infoblox, the industry leader in DNS, DHCP and IP address management (or DDI), unifies the delivery and management of critical network services with Infoblox Universal DDI Management™, the industry's first and most comprehensive software as a service (SaaS) solution for distributed hybrid and multi-cloud environments.

Universal DDI Management streamlines operations, improving the speed and reliability of business-critical network services across hybrid, multi-cloud infrastructures. Universal DDI Management is designed from the ground up for faster delivery, elastic scaling and eliminating maintenance burdens while configuring DNS across multiple cloud providers, including Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform and on-premises services alike. Universal DDI Management also includes the industry's only universal IP address management (or IPAM) solution, delivering unmatched features for policy-driven network and IP address allocation across the entire hybrid, multi-cloud network.

Universal DDI Management provides freedom of choice, operational efficiency and scalable and flexible operations while improving service delivery at scale. Also, unlike alternatives, Universal DDI Management fully integrates with the comprehensive Infoblox ecosystem, including Infoblox Security and an extensive array of value-added solutions, for greater agility and control while meeting the demands of today's expanding enterprises.

### KEY CAPABILITIES

#### Federated DNS Zone Management

Manage public and private DNS zones for Amazon Web Services, Microsoft Azure and Google Cloud Platform from a single interface.

#### Policy-Based Address Management

Define and maintain address blocks and routing realms for NIOS and cloud tenants.

#### Integrated NIOS Management

Manage NIOS IPAM and DNS objects from a single source, replacing the need for multiple interfaces.

#### Segmented Domain Management

Assign administrative rights to segments or compartments of infrastructure for more granular control of network objects, services and workloads.

## UNIVERSAL DDI MANAGEMENT

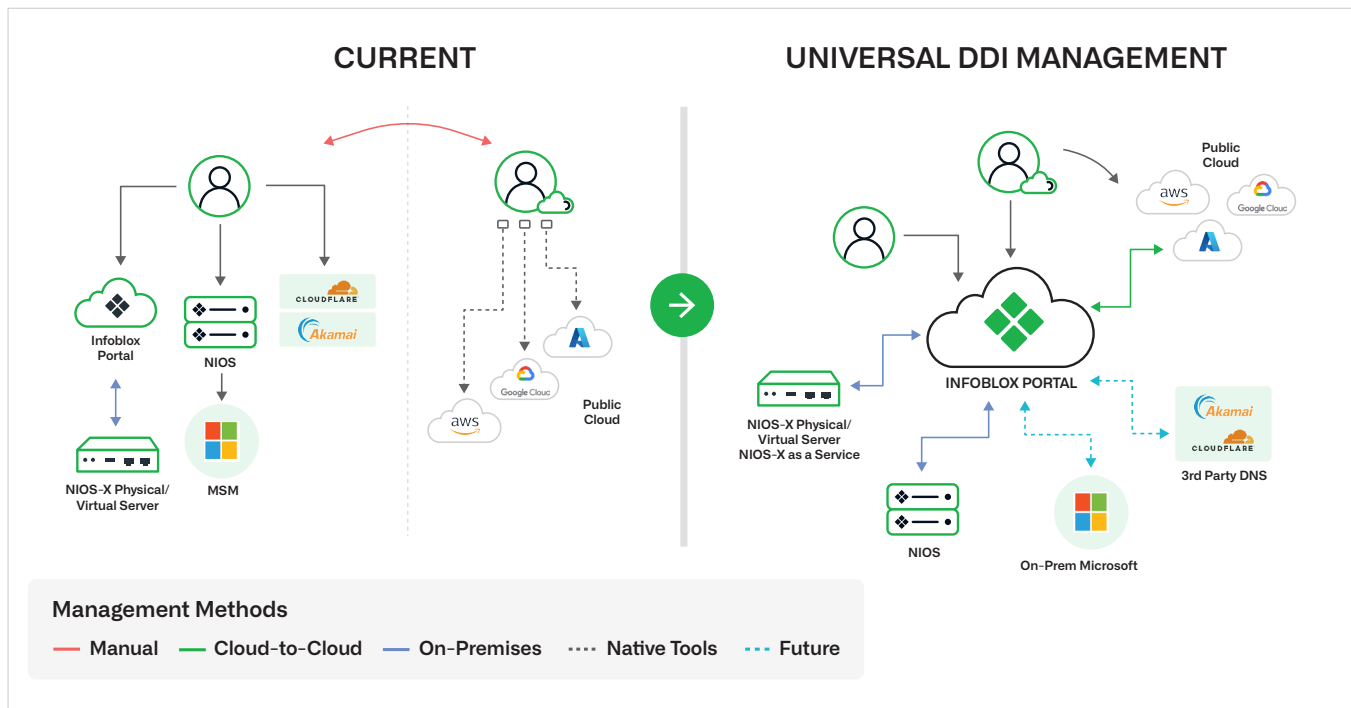


Figure 1: Overview of Universal DDI Management

## KEY FEATURES

### Multi-Vendor DNS Management and Conditional Forwarding

Aggregate DNS zone views and centrally manage multiple Amazon Route 53, Microsoft Azure DNS or Google Cloud DNS accounts and resource records.

### NIOS DNS, DHCP and IPAM Object Management

Full management of NIOS DNS, DHCP and IPAM objects that were formerly view-only through the NIOS grid connector. Providing a single interface to manage all DDI services.

### IPAM Internal Range Management

Create and manage Google Cloud internal ranges in virtual private clouds (VPCs), including address blocks and subnets based on discovered peering and routing data.

### Compartment Administration and Management

Group DNS, DHCP and IP address management resources by department, assign user roles and permissions, and set and manage enforcement of policies for segmented control.

### DNS Overlay Service Logs

Monitor and download service logs for DNS and IPAM overlay jobs configured in the Infoblox Portal. Service logs include job status and any operational errors or warnings.

## UNIVERSAL DDI MANAGEMENT LICENSING

Universal DNS Management licensing utilizes a token-based model, which involves purchasing a certain number of tokens to enable specific features or services. Three token types—management, reporting and server—allow organizations to employ any combination of services and deployment models based on business requirements. Additional tokens are available for purchase as needed, and enterprise-wide token allocation and utilization metrics are continuously monitored and available in the Infoblox Portal.

## UNIVERSAL DDI MANAGEMENT OFFER STRUCTURE

<b>Management Tokens</b>			<ul style="list-style-type: none"> <li>• Mandatory for all management</li> <li>• Price varies by number and object type</li> <li>• Can be purchased and deployed with Infoblox NIOS or Infoblox Threat Defense</li> </ul>
<b>Universal DNS Management™</b> Per # of DNS objects	<b>Universal DHCP Management™</b> Per # of DNS objects and IPs	<b>MANDATORY</b>	
<b>Universal IP Address Management™</b> Per # of IPAM objects and IPs	<b>Universal Asset Insights™</b> Per # of asset		
<b>Reporting Tokens</b>			
<b>Reporting</b> Per million logs per month	<b>Ecosystem</b> Per million log events per month	<b>OPTIONAL</b>	<ul style="list-style-type: none"> <li>• Optional for reporting and ecosystem</li> <li>• Price varies by number of events per month</li> </ul>
<b>Server Tokens</b>			
<b>NIOS-X Virtual Servers</b> Per virtual server sized by performance (QPS, LPS) and capacity (objects)	<b>NIOS-X as a Service</b> Per cloud service sized by performance (QPS, LPS) and capacity (objects)	<b>OPTIONAL</b>	<ul style="list-style-type: none"> <li>• Optional for server deployments</li> <li>• Price varies by performance and capacity</li> <li>• Available as virtual and as-a-service options</li> </ul>

Table 1: Infoblox token-based licensing and offer structure

## ABOUT INFOBLOX UNIVERSAL DDI MANAGEMENT

Universal DDI Management is a full-featured SaaS solution providing centralized configuration and control of critical network services for hybrid, multi-cloud environments. Universal DDI Management streamlines operations at scale and significantly improves the speed and efficiency of service delivery across the entire hybrid, multi-cloud infrastructure.



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.

**Corporate Headquarters**  
2390 Mission College Blvd, Ste. 501  
Santa Clara, CA 95054

+1.408.986.4000  
[www.infoblox.com](http://www.infoblox.com)