Infoblox Enterprise-grade DDI

Solution Benefits

- High-availability (HA) pairing of appliances, field replaceable units, one-click disaster recovery, and zero-downtime upgrade processes that combine to provide five-9s availability
- Integration with the IT ecosystem and cloud environments that extends DDI automation and visibility
- Improved operational efficiencies
- Built-in support for DNS, DNSSEC, DHCP, FTP, TFTP, HTTP, HTTPS, and NTP
- Patented Grid™ technology that provides centralized visibility and real-time data sharing across all solution component

Enterprise-grade DNS, DHCP, and IP Address Management (DDI)

Network landscapes are rapidly evolving, driven by trends in security, virtualization, cloud, IPv6 adoption, and the Internet of Things (IoT). These modern demands require advanced solutions for managing critical network services in physical, virtual, and cloud environments. Infoblox's industry-leading integrated, centrally managed approach to delivering enterprise-grade DNS, DHCP, and IP address management (DDI) supports current and evolving IT needs while providing the highest standards for security, service uptime, and operational efficiencies.

Integrated DDI

Infoblox's integrated DNS, DHCP, IPAM solution leverages patented Infoblox Grid™ technology to provide highly available core network services. Hardened appliances and operating systems make the solution more secure with extensions for implementing additional security features in both DNS and DHCP. The web-based GUI—with a distributed database, granular role-based administration, and closed-loop workflows that leverage automation, templates, and property inheritance—provides significant OpEx reductions while freeing up highly skilled engineers and architects to address more strategic IT initiatives.

Key Benefits

- **Improved service uptime** is achieved through high-availability pairing of appliances, field replaceable units, one-click disaster recovery, and zero downtime upgrade processes. Organizations can rely on their core network services, knowing that their infrastructure will never be the reason for an IT service outage.
- **Reduced OpEx** comes from operational efficiencies related to network core services. Delivery can be cut in half with an authoritative, central repository of data that supports streamlined workflows and granular role-based administration.
- **Enhanced security** is the result of a very secure platform with extensions to enforce network security policy at the edge of the network, detect malware on clients, mitigate DDoS attacks, detect rogue devices, and shorten security response time to find and isolate infected devices.
- **Vastly improved visibility** delivered by Authoritative IPAM spans all IP addressable assets on an enterprise network.
- **Integration with the IT ecosystem and hybrid clouds** extends DDI automation and visibility across virtual and physical environments. Organizations can design and build heterogeneous, best-of-breed environments as well as leverage the out-of-the-box ability to automate DDI for virtual environments, centrally manage Microsoft DNS and DHCP, and build custom solutions using a broad array of open APIs.

Infoblox Enterprise-grade DDI

Infoblox
®
CONTROL YOUR NETWORK

## Automate with Advanced DNS, DHCP, and IP Address Management

Solution Features

- Five-9s availability
- Security built-in
- Automation for virtual/cloud environments
- Visibility and operational efficiencies
- Direct port control in the UI
- Closed-loop workflows with visibility into all IP-addressable network assets
- Agentless communication to Microsoft servers
- Use-next functionality for IP addresses and switch ports for easy provisioning

Infoblox delivers a fully integrated and robust DNS, DHCP, and IPAM solution that enables network administrators to centrally manage the entire solution, infrastructure, and data easily. Infoblox DDI is made to be highly available through HA pairing and one-click disaster recover. In addition, software updates as well as backup and restore are executed with zero down-time. A zero-admin database, specifically designed to support network services and consistency between service and management views of IP network data, stores all network data including IP and MAC addresses, host names, user credentials, all layer-2 and layer-3 infrastructure device data, and a wealth of user definable information.

The system delivers critically needed operational automation—reducing many tasks down to one click—as well as central administration with granular role-based access and delegated workflow approvals. The solution includes powerful features such as network discovery, logging, auditing, and extensive reporting to ensure compliance, reduce trouble-shooting times, and provide insight for planning. The solution supports IPv6, Anycast, multi-grid management, multi-master DNS, and more making it flexible enough to work in virtually any network architecture.

In addition to core DDI services, the solution provides the foundation to extend enterprise-grade protocol (DNS/DHCP) and IP address management to virtual environments, including automating private and hybrid cloud deployments. Other components, features, and licenses help deliver secure DNS, enabling the system to defend against DNS-based attacks whether they are launched internally or externally.
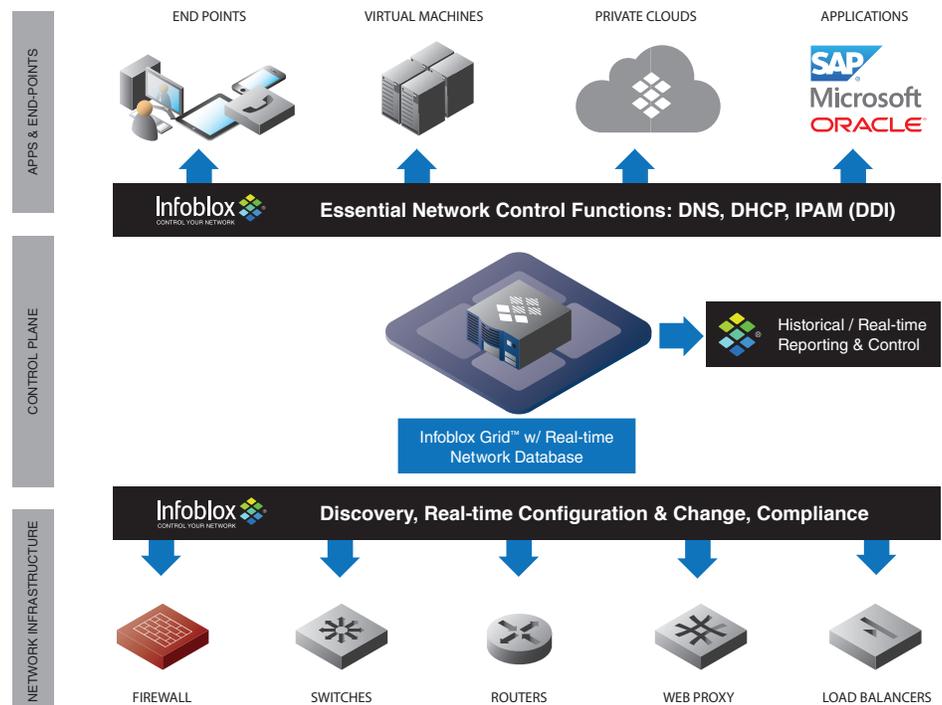
Infoblox Enterprise-grade DDI
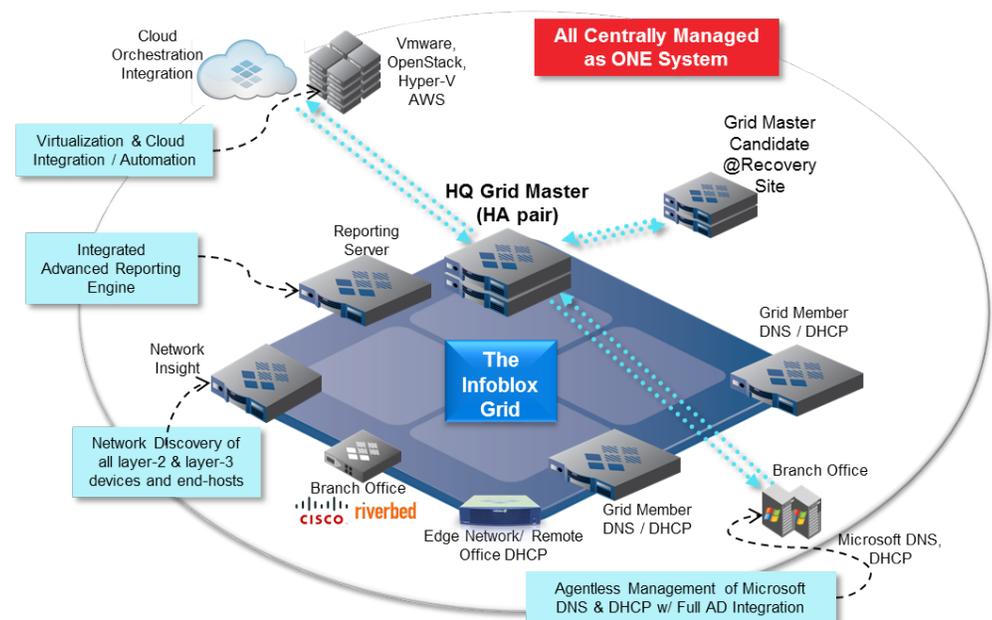
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Meet Business Goals with Scalability and Always-on Availability

Infoblox DDI is highly scalable to tackle the vast proliferation of IP-based devices and web-based apps, the BYOD explosion, and IPv6 address adoption. Unique patented HA Infoblox Grid technology ensures network reliability and 24x7 operations. The Infoblox Grid provides resilient network services, failover, recovery, and seamless maintenance for an Infoblox deployment inside a single building, across a networked campus, or across dispersed geographical locations. The Infoblox Grid establishes a distributed relationship between individual or paired appliances to remove single points of failure and other operational risks inherent in legacy DNS, DHCP, and IPAM infrastructures.

Enterprise-grade DDI has Become a Necessity for Today's Corporate Networks

Core network services (DDI) are becoming increasingly important as IT departments are tasked with securing their environments, automating their processes, and managing more complex network architectures that include virtualization and hybrid cloud initiatives. The need for comprehensive DNS, DHCP, and IP address management with complete end-to-end visibility across network infrastructure and end-hosts has grown exponentially because of emerging drivers like IPv6, BYOD, and risks imposed by cyberthreats that leverage network protocols such as DNS.

Infoblox Product Warranty and Services

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