# Control Your Network with Infoblox

Control Your Network to Meet New Challenge

Network landscapes are rapidly evolving, driven by trends in security, virtualization, cloud, IPv6 adoption, BYOD, 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.

Infoblox's integrated DNS, DHCP, and 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.

Businesses Are Moving to Enterprise-grade DDI

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 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 cyber threats that leverage network protocols like DNS.
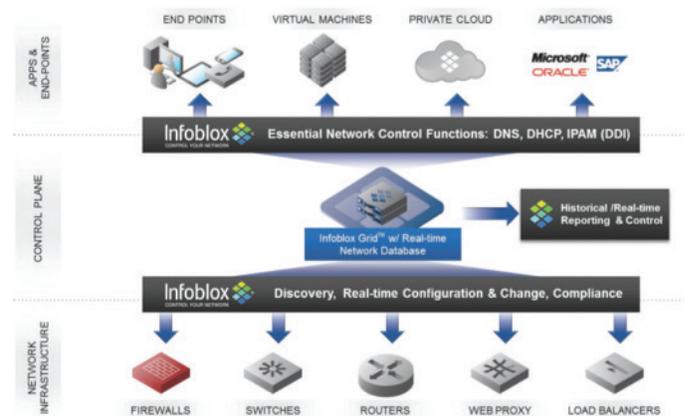
Securing DNS and Automating the Cloud

The IT landscape is rapidly changing with new innovations and new risks. Private, public, and hybrid cloud environments are providing agility for organizations to deliver resources on demand. IT organizations can now deliver services in a way very different from that of the static servers of just 5 years ago. Infoblox recognized a gap in the automation chain for virtualization and cloud deployments and developed the necessary products and features to match the compute and storage automation speeds with core network service automation for spinning up and tearing down virtual machines and hybrid clouds.

At the same time technological innovation is changing the way IT is doing business, it is also helping the bad guys find ways to perform cybercrimes—from malicious behavior of applications to the crippling of an enterprise's ability to perform business to stealing precious personal and sensitive data. Infoblox, a leader in DNS technology, has made significant advances in securing enterprise DNS—internal or external facing. Infoblox Secure DNS provides malware detection, zero-day attack protection, and a myriad of DNS-based methods for mitigating cyberattacks.

Service Uptime—Always-on Optimized Performance

Infoblox provides the highest standard for availability and reliability—delivering on the promise of five-nines service uptime. Infoblox appliances provide the ability to have high-availability (HA) pairs and one-click disaster recovery. In addition, physical appliances have redundant as well as field-replaceable components (fans, power supplies, disk drives). Infoblox Grid technology also provides for zero downtime for systems upgrades and patches—simplifying the process to maintain the most up-to-date technology delivering core network services This combination of features provides users the 24x7x365 availability necessary to run an enterprise network.

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Operational Efficiencies across IT Organizations

Network administrators are constantly being asked to do more with less, and the Infoblox DDI solution enables users to accomplish more. Infoblox integrated DDI drives down operational expenses (OpEx) by simplifying core network services delivery across physical and virtual environments. A centralized repository of data along with closed-loop workflows, templates, property inheritance, and task automation reduces the time and effort needed to perform network management and troubleshooting. Highly skilled network engineers and architects need to be focused on high-level projects worthy of their skill sets. Too often those resources are spent on repetitive, non-automated tasks sapping the resources.

Integration with Key Data Center Components

Infoblox DNS, DHCP, and IP address management (DDI) integrates with IT assets across the enterprise to support cloud and virtualization, data center consolidation, BYOD, and the Internet of Things (IoT). A library of REST APIs makes it adaptable in many environments and helps network architects bring their systems together in innovative ways. Adapters extend core DDI services to private and hybrid cloud deployments while agentless communication to Microsoft servers enables centralized management of Microsoft and sharing of Microsoft protocol data through the Infoblox UI.

Why Control Your Network with Infoblox?

Infoblox can mean the difference between controlling your network and your network controlling you. Instead of laboring under the shortcomings of legacy approaches, patching multiple basic tools on the fly, hiring additional staff to cope with increasing workloads, and trusting with crossed fingers that nothing will go wrong, Infoblox customers leverage the industry-leading integrated platform to ensure their networks are always available, secure, and automated. Why not let Infoblox put the same network control in your hands?

About Infoblox

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