Infoblox

The SaaS-Enabled Enterprise

INTRODUCTION

DNS, DHCP and IP address management (DDI) are foundational to enterprise modernization. These services make all network and cloud interactions possible. Technology transitions such as cloud migration and containerization use DDI as its foundation. While Infoblox has been enabling digital transformation using an appliance-centric model, we have innovated for the cloud-first era with a SaaS-managed DDI solution. The DDI function will continue to reside at your preferred location—branch, cloud, regional office or the data center—but control and management elements such as provisioning, configuration and maintenance, including updates and upgrades, are now resident in the cloud. This innovation enables DDI and DNS-layer security to be cloud managed with a SaaS consumption model. Although this development is game changing, we want you to know that the new model supports the existing Infoblox appliance footprint.
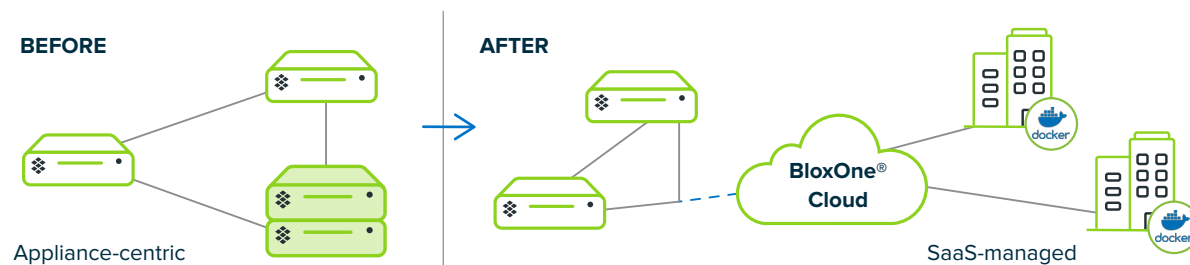

BEFORE

AFTER

Appliance-centric

BloxOne® Cloud

SaaS-managed

Figure 1: Moving from appliance-centric to SaaS-managed enterprise

Market Transition: Digital Business Continues to Change Network Requirements

Businesses today are undergoing workplace transformation at a scale that has never been seen before. Organizations are evolving driven by a need to grow and protect their business despite very challenging conditions. To achieve these goals, and gain a competitive edge, your business must modernize IT and become more agile.

An array of technologies is available to carry out this modernization. Cloud, software-defined networking, containerization, software-defined perimeter and IoT are a few examples that many organizations have adopted or are in the process of adopting.

Modernization Considerations

Regardless of technologies or their stage of adoption, one underlying fact is evident. To fully realize the benefits of modernization, these technologies require a solid foundation on which to deploy. A solid foundation offers control of your environment by enabling scale and simplicity. It furthers agility in business, simplified through automation across networked resources. And, last but not least, it helps you minimize risks by starting cybersecurity at the foundational layer. To derive value, this foundation has to furnish rock-solid reliability, a broad swath of ecosystem integrations and intrinsic security.

Infoblox Value

As the market leader in DDI, Infoblox provides that foundation, one that's resilient and backed by 20 years of experience, commitment and innovation. We have the broadest integrations in the industry across cloud platforms as well as security ecosystem vendors, enabling a high degree of automation. Finally, the security solutions we offer are built-in where risks are identified and addressed right at the foundational DDI layer, saving IT operators time and money.

Per Gartner, by 2025, 50 percent of all organizations will use cloud-based network management platforms as the primary method for configuring and supporting their networks, up from fewer than 15 percent today.

Our BloxOne® Platform makes it possible for your organization to consume a broad range of DDI and DNS security capabilities in the form of modular, scalable services and applications. These applications are SaaS managed so life-cycle management is entirely automated. The SaaS model also makes over-provisioning a thing of the past, and your organization can be confident that costs are predictable.

SaaS-Managed Benefits

Faster Time to Value

- Support for larger number of sites
- No over-provisioning
- Improved uptime
- Automated life cycle management
- SaaS consumption model
- Reduced cyber risk

BloxOne SaaS

Cloud Portal

- Customer identity
- Provisioning/config
- Service catalog & billing
- Service assurance
- Incident management

Cloud Platform

SaaS

BloxOne Threat Defense

BloxOne DNS, DHCP, IPAM

PaaS

docker   CoreDNS

kubernetes   kea

Control Plane:
Application infrastructure—persistence, messaging, logging, UI, etc.

IaaS

AWS VMs, VPCs, Networking

AWS Direct Connect

AWS Native Services (S3, ELB, EBS, etc.)

Figure 2: BloxOne SaaS benefits

SaaS-managed DDI ensures easy deployment in distributed locations so remote users can access cloud-based applications from the closest entry point in the cloud, reducing latency and improving application performance. Your infrastructure is no longer constrained by factory-delivered hardware or by the need to add new appliances for new functionality. Instead, you can quickly expand services as your needs dictate. BloxOne solutions rapidly scale to thousands of virtual appliances, all centrally managed from the cloud. You gain administrative efficiency, ease of use and agility—the hallmarks of cloud-managed solutions.