Build A Future-proof Next-generation Data Center

The Path to a True Next-generation Data Center Can Be Treacherous with Unforeseen Complexity

The promises a next-generation data center (NGDC) on business outcomes are many: increase agility, improve productivity, reduce operational costs. But whether the transformation involves virtualizing the data center or implementing a private/hybrid cloud, the path to realizing the promise of a NGDC can be difficult. Traditional DNS infrastructure and managing IP addresses in a spreadsheet cannot provide efficiency, visibility, or automation for workload provisioning—leaving IT with manual, time-intensive processes for provisioning core network services. True data center transformation is more than storage and compute automation—organizations also need network automation to realize an agile, centrally managed, and highly scalable data center.

Network Automation to Empower the Next-generation Data Center

The next-generation data center needs automation for core network services to deploy applications faster, detailed visibility of resources whether in physical, virtual, or cloud environments and a unified management platform to ensure a consistent experience across multi-platform and hybrid cloud deployments.

What Infoblox Provides for the Next-generation Data Center

**True Agility**
- Improve agility with automation that can instantly configure critical network services, such as DNS provisioning and IP address assignment
- Experience true data center efficiency and automate manual tasks that used to take multiple teams hours or days, and accomplish them in minutes or seconds

**Total Visibility**
- Say goodbye to disparate management tools across silos such as cloud, virtualization, or on-premises networking
- Tap into the power of a unified solution for enterprise-wide visibility across multiple platforms to track current and historical resources

**Context-aware Security**
- Harness context-aware security to better defend your users and virtual machines against DNS-based threats in any environment—on premise or in the cloud
- Meet compliance needs and maintain adherence to mandates, governance, and security policies across multi-platform, hybrid environments

**Consistent Experience**
- Benefit from a seamless management experience across multi-vendor hybrid clouds with our extensive and open APIs, and integrations with major orchestration technologies
- Free up valuable IT resources to focus on critical business impacting projects
Modernize Your Next-generation Data Center with Intelligent Automation and Control

Realize the full potential of your next-generation data center with Actionable Network Intelligence. Use Infoblox’s DDI services with prebuilt integrations into leading cloud platforms such as VMware, AWS, OpenStack, and Microsoft to automate core network services and gain true agility. Manage your data center resources across multi-cloud environments consistently. Gain visibility into cloud resources, and use powerful reporting and analytics capabilities to aid in audits and compliance.

Infoblox solution for NGDC supports complex multi-vendor environments

Components Providing the Solution

**DDI Virtual Appliances and Cloud Platform Appliances**
- Purpose-built DDI appliances for cloud, virtualization, and/or on-premises
- Scalable API calls to handle 100s of VM spin-ups/min by distributing API processing to local Cloud Platform Appliances for increased performance and local survivability
- High flexibility with a rich set of APIs to customize into individual workflows

**Cloud Adapters**
- Automated creation, deletion, or modification of DNS records and IP addresses as part of a complete change process workflow
- Pre-built adapters for leveraging that integration to communicate between Infoblox and other platform providers including VMware, OpenStack, Microsoft and others without custom scripts

**Cloud Network Automation Licenses**
- Provides robust and detailed visibility into cloud-based resources, such as virtual machines and instances
- Utilizes one centralized, integrated management interface to control and track all resources—physical and virtual
- Offers historic DDI reports for tenants, networks, and VMs
- Provides IP address automation for AWS
- Automatically creates DNS records for VMs while discovering an existing virtual/cloud deployment

**Reporting and Analytics**
- Tap into the ability to drill down into historical record assignments and network/IP addresses for cloud and virtualized deployments
- Easily track current and historical resources for troubleshooting, compliance, and audit requirements

**Security**
Achieve greater network visibility and context-aware threat intelligence to better defend your network resources in any environment

About Infoblox

Infoblox delivers critical network services that protect Domain Name System (DNS) infrastructure, automate cloud deployments, and increase the reliability of enterprise and service provider networks around the world. As the industry leader in DNS, DHCP, and IP address management, the category known as DDI, Infoblox (www.infoblox.com) reduces the risk and complexity of networking.