

SOLUTION NOTE

Agile, Scalable, Reliable Private Cloud

SUMMARY

Infoblox Cloud Network Automation is deployed on fully virtualized Cloud Platform Appliances that run on ESXi, Hyper-V, or XenServer hypervisors. Optional licensed software organizes and manages DNS, DHCP, and IP address information for cloud environments. And free adapters integrate with cloud management and orchestration platforms from VMware, Microsoft, and OpenStack. The solution provides tenant and administrator views of private-cloud network infrastructure, automates network provisioning and reclamation, and increases system reliability and scalability.

Combining Enterprise-grade Core Network Services with Cloud Automation

IT organizations are deploying private clouds to accelerate the delivery of business services, respond to customer demands, and give their businesses an edge on the competition. But many of them get less than they bargained for because of challenges posed by traditional network management techniques.

Network configuration for virtual machines (VMs) often lags behind more automated server and storage deployment processes, delaying application rollout. Piecemeal management of IP addresses and DNS is costly and risky. Multiple management tools result in costly staffing, inconsistencies, and noncompliance with policies. Manual IP address and DNS provisioning causes errors. And the DDI services provided in popular cloud orchestration platforms are incomplete and unreliable.

The Infoblox approach to overcoming these obstacles is based on automation, visibility, and integration, and Infoblox Cloud Network Automation can put you in control of the outcomes of your private-cloud deployment to deliver valuable business benefits that include:

- The convenience of self-service for lines of business
- Automated IP address and DNS record changes for VMs to simplify and accelerate business processes
- Seamless scalability of workloads
- Granular delegation of administrative authority to give organizations control of their own processes
- Support for DevOps initiatives
- Automated reclamation that prevents the sprawl of unused resources

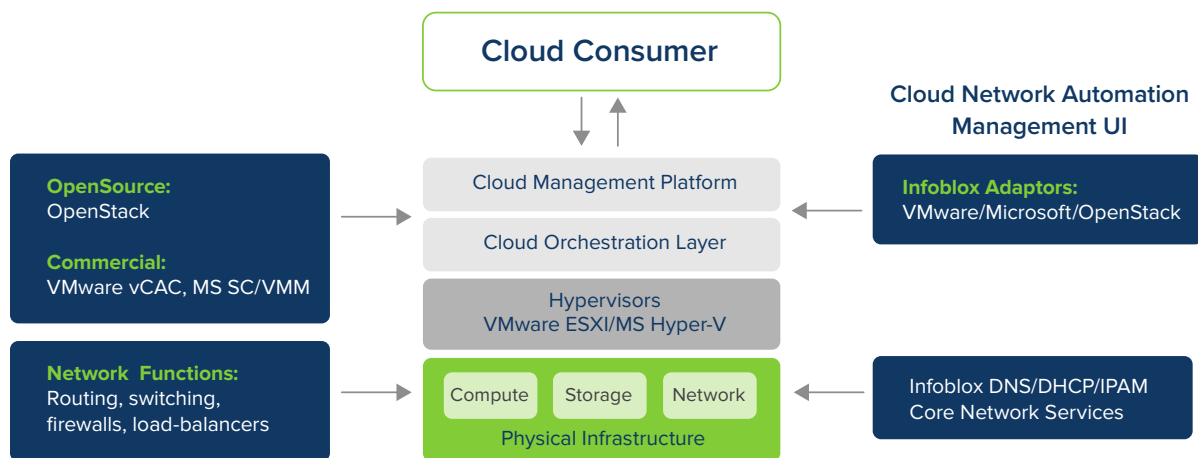


A Unique Approach Based on Industry-leading Technology

Automation is the key to bringing network services up to speed with other IT functions and reducing administrative overhead. Infoblox Cloud Network Automation combines extensive, proven automation with:

- New purpose-built Cloud Platform Appliances
- Adapters for integrating with cloud-management platforms from VMware, Microsoft, and OpenStack
- An infrastructure and a DDI solution built for high availability and disaster recovery

By bringing industry-leading, enterprise-grade core network services together with cloud automation in a single management interface, Infoblox Cloud Network Automation eliminates many of the challenges raised by the complexity of private-cloud environments and the insufficiency of traditional processes for managing network services.



Four Major Benefits

Infoblox Cloud Network Automation optimizes private-cloud deployments in four major ways.

Agility

Accelerate the provisioning and de-provisioning of IP addresses and DNS and DHCP records for VMs—performing functions that take hours or days when performed manually in minutes or even seconds—and reduce time-consuming staff effort with a single, centralized point of DDI management for all major cloud-management platforms.

Scalability

Precisely match your network service delivery capabilities to your demands. Whether you need to add more tenants to a cloud or more clouds at new locations, expansion is a simple matter of deploying a new appliance into your Infoblox Grid™. You can also increase scalability with multiple Cloud Platform Appliances in a single data center sharing API workload. And all Cloud Appliances are centrally managed and are provisioned per cloud and per data center, so you can expand cloud support within segments of your network without hampering performance.

Reliability

Give your private-cloud deployment the advantages of the Infoblox Grid and Infoblox enterprise-grade DDI services—both built for redundancy, high availability, and disaster recovery. Each Cloud Platform Appliance can operate independently of the Grid Master for serving protocols and API calls, ensuring local survivability if the connection with the Grid Master is lost.

Reduced Staffing Cost

Cut the administrative overhead of your private cloud deployment through extensive labor savings from the automation of tasks such as the provisioning of IP addresses and DNS records and through our single central management interface, which reduces overall staffing requirements.

Optimize Your Private Cloud

Contact us to learn more about Infoblox Cloud Network Automation. We can help you make your cloud environment orders of magnitude easier to operate and manage.



Infoblox is the leader in modern, cloud-first networking and security services. Through extensive integrations, its solutions empower organizations to realize the full advantages of cloud networking today, while maximizing their existing infrastructure investments. Infoblox has over 12,000 customers, including 70 percent of the Fortune 500.

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