Infoblox DDI for Amazon Web Services

FEATURES & BENEFITS

- Enterprise-grade DNS, DHCP, and IP address management across AWS EC2

- Fully automated allocation of IP address and DNS record creation for AWS workloads

- Automated discovery of virtual instances and VPCs within AWS deployment

- Multiple deployment options for scale and high availability

- Flexible licensing for investment protection—license portability across AWS and private clouds

- DHCP services for on-premise clients as well as DHCP failover between on-premise Trinzic appliances and Trinzics within AWS

The Challenge: Next Level DDI Management Across Cloud Networks

Enterprises are increasingly deploying workloads in industry-leading AWS EC2 for increased agility and elasticity. Often these deployments are a component of a hybrid cloud strategy that includes multiple platforms such as VMware, OpenStack, and traditional architectures.

However, most organizations lack the ability to consistently manage DNS, DHCP, and IP addresses across the environment. Furthermore, without an enterprise-grade solution to centralize management for DNS and IP addresses in a public/private cloud, there is limited visibility of the networks, VPCs, IP addresses, and DNS records that are being assigned—and no correlation of common resources such as DNS zones and networks across platforms. Without network automation, multiple handoffs between the cloud, network, and security teams delay provisioning and increase the number of trouble tickets. Infoblox DDI for AWS can help.

The Solution: Enterprise-grade DNS and IP Address Management for AWS

The Infoblox DNS, DHCP, and IP address management (DDI) solution can now be extended into Amazon AWS EC2 deployments, providing consistent DDI management across the entire public and private environment. With automated virtual instance discovery, IP address allocation, and DNS provisioning, organizations can improve agility, reduce provisioning errors, and enhance visibility of virtual machine network infrastructure inside AWS deployments. Benefits of the solution include:

- **Simplified DNS and IP Address Management across AWS EC2, Private Clouds, and Traditional Networks**
  With a single DDI platform for hybrid clouds, Infoblox helps to consistently manage networks, IP addresses, and DNS records with a virtual appliance option inside AWS. A unified console supports all platforms and ensures a uniform policy of DNS naming conventions

and network/IP address provisioning across clouds. In multi- cloud environments, Infoblox reconciles disparate terminologies such as tenants, VPCs, VMs, etc. to drive consistency, thereby simplifying these deployments.

- **More Agile and Faster Cloud Provisioning**
Infoblox dramatically shortens the time needed to provision new workload instances in AWS EC2 environments. Administrator overhead is reduced by eliminating handoffs between cloud and network teams in the provisioning process. And when virtual resources are de-commissioned, IP addresses and DNS records are automatically reclaimed.

- **Automated Discovery, Visibility, and Compliance Auditing**
Discovery and tracking of public cloud infrastructure and workloads is a challenge for many organizations. Infoblox DDI for AWS provides automatic discovery and visibility of VPCs and EC2 instances, making it easy to bring public cloud assets under common DNS and IP address management. Detailed auditing of DNS and IP address information for AWS resources across networks and geographic regions simplifies compliance reporting and ensures complete visibility.

- **Flexible Deployment Options and High Availability**
The Infoblox solution for AWS EC2 is tightly integrated with our industry-leading on-premises virtual and physical appliances. This enables a wide variety of deployment options, including high availability failover between AWS and on-premises appliances. Grid Masters, Grid Master Candidates, or Grid Members can all be deployed in AWS for maximum flexibility, scale, and service availability.

Why Infoblox

Infoblox provides the industry-leading solution with highly automated, elastic, and secure DNS, DHCP, and IP address management for traditional networks and public/hybrid cloud deployments. With Infoblox, IT administrators extend visibility into Azure resources in addition to multi-platform support for better security and audit capabilities for their virtualized and traditional network resources—all in a single, consolidated view. According to IDC, Infoblox is #1 with 50 percent market share in the DDI market. For more information about Infoblox DDI for Azure, visit our website, or contact your Infoblox sales representative.

Business Value

- Successful hybrid cloud deployments across Amazon, VMware vSphere, OpenStack, and other platforms

- Consistent policies and agile management of DNS and IP addresses across AWS EC2 and internal networks

- Elimination of complex administration associated with legacy options for DNS in AWS deployments

- Improved visibility with discovery and tracking of AWS cloud resources

- Hardened virtual appliance and optional DNS Firewall for security and malware detection

- Reduced risk and ensured compliance through current and historical visibility into dynamic cloud network resources
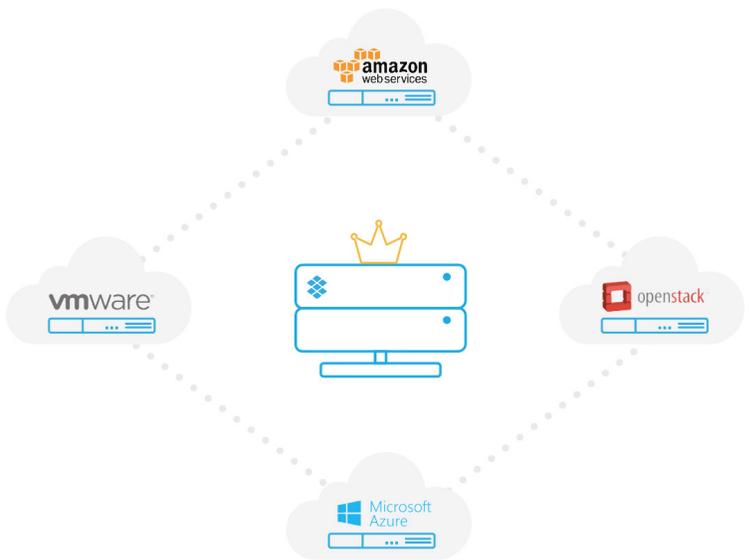

Figure 1. Only Infoblox supports traditional networks and multi-vendor private/public/hybrid clouds with the enterprise-grade DDI solution.