

SOLUTION OVERVIEW

Infoblox DDI for SD-WAN

SD-WAN technology can reduce costs and increase flexibility by leveraging the Internet to connect to data centers and cloud-based applications. While SD-WAN revolutionizes connectivity, it relies on established DNS, DHCP and IP address management (DDI) network services to ensure reliable and secure communication.

BENEFITS OF INFOBLOX DDI

- **Based on NIOS:** Infoblox is the industry leader in DDI. The Infoblox NIOS platform is the basis for DDI services that enable scalability, manageability and network visibility.
- **Advanced Security:** NIOS delivers in-depth security to prevent the spread of malware, network intrusion and data exfiltration.
- **Single Source of Truth:** Infoblox provides an accurate and consolidated storehouse of IP address and DNS information that spans traditional and SD-WAN networks and is managed through a single pane of glass.
- **Cloud Integration:** Infoblox DDI supports private, hybrid and public cloud architectures and integrates with the leading cloud orchestration and automation tools.

Business Challenges

SD-WANs are powering digital transformations within the enterprise, enabling cloud migrations and elevating business efficiency. But SD-WANs also introduce challenges. It can be hard to provision and manage devices across distributed networks. And SD-WAN branches connect directly to the Internet—but without the full safeguards of the headquarters' network. In order to overcome such obstacles and fully deliver on its goals, SD-WAN requires secure and reliable network services, namely DNS, DHCP and IP address management (DDI).

Key Features

Enterprise-grade DDI

DDI services, and DNS in particular, are foundational to your organization's presence on the Internet. Your DNS deployment needs to be scalable and resilient, so your online services are always available to your users. The security, reliability and automation functions of Infoblox DDI ensure successful DNS operation whether DNS is backhauled to the data center or hosted in remote locations.

Network Visibility

Infoblox visibility tools provide granular insight to connected devices and to the network itself, including wired, wireless, cloud, VLAN and SD-WAN. Infoblox Network Insight monitors and maintains the network and security infrastructure based on Common Vulnerabilities and Exposures (CVEs) and vendor product lifecycle announcements. These combined capabilities help make migration and management across networks simpler and more efficient.

SD-WAN Branch Security

Infoblox provides protection at the DNS layer. This is a critical capability for SD-WAN branches that directly connect to the Internet without access to the complete security controls available through the corporate network. Infoblox Advanced DNS Protection provides a solid first line of defense for SD-WAN branches. The Infoblox DDI platform is itself secured with advanced password management, support for SAML-based single sign-on (SSO) services and user access controls.

Cloud Ready

Infoblox DDI integrates with the industry's leading virtualization, orchestration and automation tools, including VMware, Hyper-V, OpenStack, vRealize, Cloud Orchestrator, BMC and Ansible. Infoblox DDI can also be deployed within the leading cloud offerings, including Amazon Web Services, Azure and Google Cloud Platform. No matter where your workloads reside, Infoblox DDI ensures reliable access via SD-WAN.

Cost-effective and Scalable Subscriber Services

Service providers are eager to offer differentiated value-added services for their SD-WAN offerings. Infoblox provides a complete DNS-based platform for Subscriber Services for both fixed and mobile access that ensures you of

a predictable ROI with flexible physical, cloud and virtualized technologies that can evolve as you transition to network functions virtualization (NFV). With subscriber management information from Infoblox, you can associate traffic with subscriber identities, associate identity to traffic, enable policy enforcement and identify security incidents per subscriber for granular visibility.

With Infoblox's pre-packaged Subscriber Services, service providers can easily implement one or more services to increase revenue, improve performance, reduce security risk, and exceed customer expectations.

Conclusion

Organizations depend on reliable Internet connectivity, which in turn requires high availability DDI services. By coupling SD-WAN with Infoblox DDI, branch office connectivity can achieve new levels of efficiency, robustness and security.



Infoblox is leading the way to next-level DDI with its Secure Cloud-Managed Network Services. Infoblox brings next-level security, reliability and automation to on-premises, cloud and hybrid networks, setting customers on a path to a single pane of glass for network management. Infoblox is a recognized leader with 50 percent market share comprised of 8,000 customers, including 350 of the Fortune 500.

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