Infoblox

Breathe New Life Into Your Network Infrastructure

HEALTHCARE SOLUTION NOTE

DELIVER "Life Critical" Network Uptime

AUGMENT Current HIPAA & PCI Strategies

SIMPLIFY Tasks Through Automation

Healthcare Quotes

"The Infoblox product helped us stabilize, simplify and strengthen our infrastructure. Now, instead of spinning cycles managing multiple domain controllers and ad-hoc systems, my team can focus more on the tough things like the clinical applications themselves."

Mark Rein, Mercy Medical Center

"Leveraging the Microsoft Domain Controllers, we previously found that DNS and DHCP services were a source of network downtime. Since installing the Infoblox devices, we have a more effective, available, secure and resilient solution that also decreases the administration overhead for us."

Mark Walker, Sussex HIS Team

Ensuring availability of network services that doctors and patients rely on is life critical in healthcare - doctors need immediate access to critical data in order to provide proper care. The myriad of IP enabled life saving devices must keep working without fail. In addition to these challenges, healthcare IT groups are tasked with meeting security and compliance mandates - The Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and the Health Insurance Portability and Privacy Act (HIPAA) require protecting patient privacy and ensuring fine-grained access control.

Challenges in Healthcare are on the Rise

As if the requirements for uptime and compliance were not enough, several trends in IT landscape are placing more demands on healthcare IT:

- The sheer number of devices on networks has multiplied as medical devices and systems are becoming IP enabled. In addition, patients and visitors alike want access to the network using their own devices. To make matters worse, the majority of these devices are dynamic and as they tend to come and leave frequently, they make networks vulnerable to resources crunch and IP exhaustion.
- While virtualization and cloud computing simplify server infrastructure, they have put a strain on network infrastructure. The dynamic nature of virtual machines generates more network tasks e.g. IP allocations, DNS changes and network infrastructure configuration changes, while making it challenging to keep track of where a specific virtual machine is connected to on the physical network. Simple tasks such as identifying affected applications when a switch is upgraded are exponentially difficult in a virtual data center – especially when the infrastructure is supporting life and death situations.
- Both the scale and dynamic nature of networks can make it impossible to ensure compliance without automation.

Specific IT challenges that healthcare organizations face :

- Unreliable and manual DNS and DHCP infrastructure, which can cripple an organization when there is a failure
- Manual management of IP addresses and network change management – not having control of what is being connected to the network, and who is making changes to the network
- Standardization and compliance mandates – risks of compliance failure and fines with mandates from HIPAA, PCI and others
- Small change windows to support multiple updates across different platforms – the hospital never closes
- Security threats – high vulnerability to both internal and external attacks and threats with multiple access points
- Disparate, inconsistent network services with no centralized visibility & management
- Limited tracking and audit logs to investigate issues impacting network stability & security

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Why the world's largest hospitals, pharmaceuticals and other healthcare organizations run their networks on Infoblox technology?

Up to an 80% increase in network availability and up to a 50% reduction in network capital and operational expenses.

Rein in the Complexity, Increase Uptime and Ease Audits through Automation

Infoblox helps healthcare customers automate and control network services and deliver business services by ensuring an agile, resilient and predictable network infrastructure. Instead of relying on local experts and manual processes, the centralized control improves staff efficiency and reduces the risk of business-impact degradations or outages.

With high-availability, resilient appliances, Infoblox helps healthcare institutions meet network service requirements for their ever-changing needs. The single, integrated interface and hardened appliances with patented high-availability Grid™ technology reduce the risk for outages normally associated with Microsoft or Unix server platforms. The tracking and auditing for DNS, DHCP, IP address and network changes meet compliance requirements and help identify potential issues faster and easier than the traditional reactive troubleshooting approach.

Healthcare Requirements	Key Infoblox Benefits
• Continuous uptime	• Delivers high-availability & secure infrastructure with easy to deploy, resilient appliances • Ensures continuous uptime with patented Grid™ technology & centralized management
• Allow experts to work on other critical projects • Eliminate unnecessary risk of human error or miss configurations across multivendor environments	• Automate tasks, reducing administrative overhead and costs
• Increase security and support regulatory compliance processes	• Mitigates risks with proactive monitoring and tracking for malicious attacks or unplanned events • Built-in, single-click HIPAA, PCI and other regulatory compliance reporting
• Increase visibility into and control of who is on the network, when and where	• Real time reporting on impact of changes to the health and stability of the network • Built-in, automated IP address management
• Scalability	• Infoblox Distributed architecture and Grid™ technology allows for scalability to meet the most complex, distributed environments within the healthcare sector

Infoblox Solution

Infoblox products work together to give operators automated mission-critical networks and visibility into configuration, change, compliance and essential network services.

At the heart of the Infoblox solution is the Infoblox NIOS™ software platform for delivering secure name services, such as DNS, DHCP and IP address management (IPAM). Our NetMRI Network Configuration and Change Management (NCCM) product line ensures business uptime by giving you control of network change and configurations. Both NIOS and NetMRI run on security-hardened Infoblox appliance platforms, or virtualized appliances.

Together, NIOS and NetMRI provide network operators network infrastructure control & visibility, in addition to automation that increases efficiency, reduces risk, and improves productivity.

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Infoblox Product Warranty and Services

The standard hardware warranty is for a period of one year. The system software has a 90-day warranty that will meet published specifications. Optional service products are also available that extend the hardware and software warranty. These products are recommended to ensure the appliance is kept updated with the latest software enhancements and to ensure the security and availability of the system. Professional services and training courses are also available from Infoblox. Information in this document is subject to change without notice. Infoblox Inc. assumes no responsibility for errors that appear in this document