Profile

The customer: A North American integrated provider of mobile and wireline services— including mobile voice, data, and broadband Internet services—to consumers, businesses, and government agencies.

The challenge:
The consolidation of the company’s operating companies required a more consistent and coordinated approach to DNS and DHCP management.

The solution:
- Infoblox Grid™ technology
- Integrated DNS and DHCP across all business units
- More than 50 Infoblox appliances

The results:
- Lower operational support costs
- Retirement of legacy hardware
- Better change control and faster Internet response times
- Reduced administrative burden

The Infoblox Solution

In order to replace the highly distributed architecture across multiple entities, the operator consolidated its DNS systems into three regional data centers and tuned the architecture to reduce DNS latency while eliminating remote DNS servers in twelve regions. By adopting Infoblox appliances, the operator was able to eliminate the many hardware and software integration issues and to eliminate the need for multiple server OS and security patches. Infoblox helped the IT team to adopt a total of more than 50 Infoblox appliances and a best-practices design approach, including:

- High-availability pairs of appliances at every location
- Dedicated client DHCP and DNS resolvers in each datacenter
- Dedicated DNS resolvers for network devices and servers in each datacenter
- Dedicated resolvers in DMZs for network devices and systems within protected security zones in each datacenter.
The Results

By automating many manual administrative tasks with the Infoblox Grid™, the operator considerably reduced operational support cost, accelerated change control and made it more consistent, and retired legacy server hardware. A single DNS administrator now runs the entire Infoblox system, where five administrators were required before. Customers are also experiencing better Internet response times due to reduced DNS latency, and the operator is able to plan better by using the Infoblox Reporting Server, which provides centralized, system-wide performance overviews as well as in-depth detailed troubleshooting views.

About Infoblox

Infoblox (NYSE:BLOX), headquartered in Santa Clara, California, delivers network control solutions, the fundamental technology that connects end users, devices, and networks. These solutions enable more than 7,000 enterprises and service providers around the world to transform, secure, and scale complex networks. Infoblox (www.infoblox.com) helps take the burden of complex network control out of human hands, reduce costs, and increase security, accuracy, and uptime.