

SECURITY-HARDENED APPLIANCES FOR CORE NETWORK SERVICES DELIVERY

Infoblox appliances are purpose-built, high-performance hardware devices that form the foundation of Infoblox core network services solutions. Infoblox appliances ship standard with the security-hardened Infoblox NIOS® software and support a variety of Infoblox software packages tailored for specific applications. All models can be deployed individually or in high-availability (HA) pairs for optimal service resiliency.

Unlike alternatives that are based on general-purpose server hardware, Infoblox appliances have no extraneous hardware interfaces—such as keyboard, monitor, or mouse ports or CD drives—making them the only true network services appliances available on the market and providing the most secure and reliable platform for essential, nonstop core network services.

THE APPLIANCE ADVANTAGE

Appliance delivery of core network services has become a recommended industry best practice, because appliances are inherently more reliable, manageable, scalable, and secure than general-purpose, server-software-based architectures. Purpose-built appliances consolidate core network services into a unified architecture that can be efficiently administered and monitored enterprise-wide.

A SCALABLE FAMILY OF HARDWARE PLATFORMS

The Infoblox appliance family supports a wide range of models that are right-sized to deliver the performance, capacity, and availability required in each unique environment from the smallest branch office to the largest enterprise.



Infoblox-250

Network Services Appliance

The Infoblox-250 network services appliance is designed to serve small enterprise and branch-office applications, and can be deployed as a standalone unit or in high-availability pairs. The Infoblox-250 has the capacity to support 12,500 database objects and up to 3,000 DNS requests per second, making it ideally suited as an integrated DNS/DHCP/RADIUS/TFTP appliance in the branch office of a distributed or global enterprise.

The Infoblox-250 breaks the “white box barrier” because it’s priced at little or no premium to general-purpose servers with standard operating systems. Due to the operational savings provided by an appliance compared with managing standard servers, the Infoblox-250 pays back very rapidly and generates net savings as well as improved performance and availability.



For software packages that include the Infoblox DHCP module, two versions of the Infoblox-250 are available: One targeted at small sites such as retail stores and small branch offices that supports up to 100 dynamic IP leases; and one that supports up to 300 IP leases to accommodate larger stores and branches with more people and devices. By combining DNS, DHCP, RADIUS, TFTP, NTP and other services in a single, low-cost appliance, distributed organizations can now achieve more reliable, survivable branch operations while increasing security and lowering management costs.

Infoblox-550

Network Services Appliance

The Infoblox-550 network services appliance is designed to serve small to medium enterprises and regional branch-office applications, and can be deployed as a standalone unit or in high-availability pairs. The Infoblox-550 has the capacity to support 25,000 database objects and over 12,000 DNS requests per second, making it ideally suited as a stand-alone external DNS appliance in a medium enterprise or as a member of an Infoblox grid in the regional office of a distributed enterprise.

The Infoblox-550 supports all network service modules including DNS, DHCP, RADIUS, TFTP, and the Integration for VitalQIP® Software module. It also supports the grid module and deploys easily at remote branch locations.



The Infoblox-550 ships standard with the purpose-built, security-hardened Infoblox NIOS™ operating system software, which provides industry-standard, high-availability failover and also includes the powerful, built-in bloxSDB™ database.

Infoblox-1050

Network Services Appliance

The Infoblox-1050 network services appliance platform is designed to serve small- and medium-sized enterprises and branch-office applications, and can be deployed as a standalone unit or in high-availability pairs. When equipped with the DNSone® package, the Infoblox-1050 has the capacity to support 150,000 database objects and serves over 24,000 DNS requests per second, making it the most powerful DNS and DHCP appliance in its class.

The Infoblox-1050 can be deployed stand alone, as a grid member or as a grid master for smaller grids. In addition, the infoblox-1050 can be used to provide remote server functions in a Lucent VitalQIP® environment using the Integration for VitalQIP Software module.

The Infoblox-1050 ships standard with the purpose-built, security-hardened Infoblox NIOS™ operating system software, which provides industry-standard, high-availability failover and also includes the powerful, built-in bloxSDB™ database.



Infoblox-1550/1552

Network Services Appliances

The Infoblox-1550 and -1552 hardware platforms are designed to serve medium-sized and large enterprises in headquarters and regional office environments. When equipped with the DNSone® package, the Infoblox-1550 and Infoblox-1552 support 400,000 database objects and serve more than 36,000 DNS requests per second, making them the models of choice for medium-sized deployments.

The 1550 and 1552 models can be deployed singly or in high-availability pairs for delivering external DNS services for an enterprise's Internet presence, or for internal DNS, DHCP, RADIUS, and TFTP services in a small data center or in a large campus network. Equipped with the DNSone with Grid™ package, the Infoblox-1550 and Infoblox-1552 are also designed to serve as the grid masters for medium-sized grids of distributed Infoblox appliances. The Infoblox-1552 features redundant, hot-swappable power supplies for applications that require the highest levels of availability.

Both units ship standard with the purpose-built, security-hardened Infoblox NIOS™ operating system software, which provides industry-standard, high-availability failover and also includes the powerful, built-in bloxSDB™ database.



Infoblox-2000

Network Services Appliance

The Infoblox-2000 hardware platform is designed for deployment in data centers, large enterprises, and service provider environments. Key features, such as redundant power supplies, fans, and four-disk RAID storage, provide the availability needed for nonstop delivery of core network services. The Infoblox-2000 supports both AC and DC power options, facilitating deployment in any enterprise or carrier environment.

The fault tolerant Infoblox-2000 includes fully redundant, hot-swappable components to assure the reliability of all moving parts. Any failure of a component will not cause a failure of mission critical network services. There is no need to stop services or power down the appliance to perform maintenance or to replace a failed component.

When equipped with the DNSone® package, the Infoblox-2000 supports 1,200,000 database objects, serves more than 75,000 DNS requests per second and 750 DHCP leases per second, providing the capacity and performance required for the most demanding applications.

The Infoblox-2000 can be deployed singly, in high-availability pairs, or as a master candidate for delivering external DNS services for an enterprise's Internet presence, disaster recovery site, or for internal DNS, DHCP, RADIUS, and TFTP services in a data center or a large campus network. Also, equipped with the DNSone with Grid™ package, the Infoblox-2000 can serve as a grid master or master candidate for large Infoblox grids consisting of hundreds of distributed Infoblox appliances.



In addition to the DNSone and DNSone with Grid packages, the Infoblox-2000 also supports all Infoblox NIOS™ modules and packages including Network Services for Authentication (NSA), Network Services for VoIP (NSV), Network Services for Alcatel-Lucent VitalQIP (NSQ), and the Network Services Suite (NSS).

As with all members of the Infoblox appliance family, the Infoblox-2000 includes the purpose-built, security-hardened Infoblox NIOS™ software, which provides industry-standard, high-availability failover and also includes the powerful, built-in bloxSDB™ database.

Performance and Capacity Specifications

	Infoblox-250	Infoblox-550	Infoblox-1050	Infoblox-1550/2	Infoblox-2000
DNS Queries Per Second	3,000	12,000	24,000	36,000	75,000
DHCP Leases Per Second	25	75	150	225	750
Capacity (Database Objects)	12,500	25,000	150,000	400,000	1,200,000

Infoblox-250/550/1050/1550/1552 Hardware

Network interfaces	2 10/100/1000 Base-T Ethernet (LAN ports) 1 10/100/1000 Base-T Ethernet (HA port) 1 10/100/1000 Base-T Ethernet (MGMT port)
AC power supply	<p>Infoblox-250/550/1050/1550 Input voltage: 100 to 240 VAC switchable, 47 to 63 Hz, 3A Output Power: 250W</p> <p>Infoblox-1552 Input voltage: 100 to 240 VAC switchable, 47 to 63 Hz, 4A, redundant, dual input Output Power: 250W</p>
Operating temperature	35°F to 104°F (1.7°C to 35°C) 5% to 95% relative humidity, non-condensing
Storage temperature	-40°F to 122°F (-40°C to 50°C) 5% to 95% relative humidity, non-condensing
Dimensions and weight	<p>Infoblox-250/550/1050/1550 Enclosure: 19 in. rack-mountable Height: 38.1 mm (1.5 in.); 1 rack unit Width: 438.2 mm (17.25 in.) Depth: 381 mm (15 in.) Weight: 13 lbs. (11 lbs. for 250)</p> <p>Infoblox-1552 Enclosure: 19 in. rack-mountable Height: 38.1 mm (1.5 in.); 1 rack unit Width: 438.2 mm (17.25 in.) Depth: 545 mm (21.5 in.) Weight: 20 lbs.</p>
Certifications	Safety: UL, FCC, CE, TUV, CB, VCCI, C-Tick, CCC; Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable

Infoblox-2000 Hardware

Network interfaces	2 10/100/1000 Base-T Ethernet (LAN ports) 1 10/100/1000 Base-T Ethernet (HA port) 1 10/100/1000 Base-T Ethernet (MGMT port)
AC power supply	Input voltage: 100 to 240 VAC switchable, 50 to 60 Hz, 4A, redundant, dual input. Output Power: 400W
DC Power Supply	Input voltage: nominal -48 VDC (-32 ~ -72 VDC.), 15A, dual input Output power: 400 W
Disk and Fans	Four disks in RAID 10 array. Automatically resynchronizes with the disk array Three 42.5 CFM fans.
Operating temperature	35°F to 104°F (1.7°C to 35°C) 20% to 80% relative humidity, non-condensing
Storage temperature	-20°F to 122°F (-40°C to 50°C) 10% to 90% relative humidity, non-condensing
Dimensions and weight	Enclosure: 19 in. rack-mountable Height: 114.3 mm (4.5 in.); 3 rack units Width: 438.2 mm (17.25 in.) Depth: 558 mm (22 in.) Weight: 57 lbs.
Certifications	Safety: UL, FCC, CE, TUV, CB, VCCI, C-Tick Environmental: WEEE and RoHS
Support	Standard warranty includes 90-day software support with one-year hardware support; upgradable

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.