

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 are optimized for the security-hardened NIOS® software and support Infoblox's multi-protocol core network services architecture. All models can be deployed individually or in high-availability (HA) pairs for optimal service resiliency.

Purpose- Built Appliance

- Real-time system environmental and fault monitoring
- SNMP monitoring with Infoblox MIBS
- Redundant cooling fans
- ECC RAM
- Top quality, enterprise-class components
- Custom-designed chassis to meet US Government security requirements

THE APPLIANCE ADVANTAGE

Appliance platforms provide the key benefits of performance, reliability, resiliency and manageability in a network infrastructure deployment. Nearly all devices used for network infrastructure (routers, firewalls, gateways, etc.) are deployed as appliances and have been for nearly two decades. Infoblox provides core network services as the last major component of network infrastructure that is still deployed using white box server hardware.

PURPOSE BUILT FOR OPTIMUM PERFORMANCE AND RELIABILITY

Our appliances are designed and manufactured by Infoblox. Unlike alternatives that are based on general-purpose server hardware, Infoblox appliances are optimized for maximum performance and reliability. Infoblox appliances run NIOS software, a security-hardened, real-time operating system that includes a built-in, zero-administration database, extensive support for high-availability operation, and comprehensive capabilities that automate appliance deployment and maintenance and simplify data management.

Infoblox appliances are built specifically for core network services and have no extraneous hardware interfaces—such as keyboard, monitor, or mouse ports or CD drives—making them the only true network services appliances available. Our designs are unique and include quality, reliability and performance features that are typically not found in off-the-shelf solutions.



Infoblox appliances ship with the Network Services One (NS1) package that includes DNS, DHCP, RADIUS, NTP, and file distribution using FTP, TFTP and HTTP. Infoblox Grid technology can be added initially or later for real-time data replication and centralized management. All platforms except the Infoblox-250 also support the Infoblox Vital QIP integration module which provides a centrally managed, appliance-based solution for Alcatel Lucent VitalQIP software.

MULTIPLE HIGH AVAILABILITY AND FAILOVER OPTIONS

Infoblox appliances take fault tolerance and failover to new levels for core network service appliance. All of our platforms can be deployed either standalone or in high-availability pairs with failover in less than five seconds. The appliances have two data ports, LAN1 and LAN2 that can be cabled as a failover pair of network ports to either the same or different switches. If the link to the LAN1 port is interrupted, the LAN2 port takes over in less than a second. Some of our platforms feature fully redundant, hot-swappable components to assure the reliability of all moving parts.

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 breaks the “white box barrier” because it’s priced at little or no premium to general-purpose servers with standard operating systems.

Infoblox-550-A Network Services Appliance



The Infoblox-550-A network services appliance is designed to serve small to medium enterprises and regional branch-office applications. The Infoblox-550-A can be deployed stand alone, as a grid member or as a grid master for smaller grids.

Infoblox-1050-A Network Services Appliance



The Infoblox-1050-A 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.

Infoblox-1550-A & Infoblox-1552-A Network Services Appliances



The Infoblox-1550-A and Infoblox-1552-A hardware platforms are designed to serve medium sized and large enterprises in headquarters and regional office environments.



The Infoblox-1552-A features redundant, hot-swappable power supplies for applications that require enhanced availability.

Infoblox-1852-A Network Services Appliance



The Infoblox-1852-A core network services appliance is targeted at large ISPs, telcos and other network operators that require high DNS caching throughput at the lowest possible TCO while increasing resilience and security.

Infoblox-2000 Network Services Appliance



The Infoblox-2000 hardware platform is designed for deployment in data centers, large enterprises, and service provider environments. 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.

The Infoblox-2000 can be deployed singly or as a grid member for delivering scalable, high-performance external DNS services for an enterprise's Internet presence. In addition the Infoblox-2000 is ideal for Large-scale grid master for hundreds of grid members, a grid master candidate in a disaster recovery site or for internal core network services in a data center or a large campus network.

Performance and Capacity Specifications

	Infoblox-250	Infoblox-550-A	Infoblox-1050-A	Infoblox-1550-A	Infoblox-1552-A	Infoblox-1852-A	Infoblox-2000
WinConnect IPs	2,000	5,000	30,000	100,000	100,000	N/A	N/A
DNS Queries Per Second	3,000	12,000	24,000	36,000	36,000	110,000	75,000
DHCP Leases Per Second	25	75	150	225	225	225	750
Vital QIP Support	N/A	Yes	Yes	Yes	Yes	N/A	Yes
Hardware Redundancy	N/A	N/A	N/A	N/A	Hot swappable redundant power supplies	Hot swappable redundant power supplies	Hot swappable redundant power supplies, fans and four disk RAID

Infoblox-250/550-A/1050-A/1550/52-A/1852-A

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-A/1050-A/1550-A Input voltage: 100 to 240 VAC switchable, 47 to 63 Hz, 3A Output Power: 250W</p> <p>Infoblox-1552-A/1852-A Input voltage: 100 to 240 VAC switchable, 47 to 63 Hz, 4A, redundant, dual input Output Power: 1552-A - 250W 1852-A - 360W</p>
Operating temperature	35°F to 95°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-A/1050-A/1550-A 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-A/1852-A 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 Physical 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
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 95°F (1.7°C to 35°C) 20% to 80% relative humidity, non-condensing
Storage temperature	-40°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.