Extending Networks for Reliable Networking and for New Customer Services

Expanded Customer Service Opportunities

As reliance on networks increases, the need for local DNS and DHCP services grows. For example, as Voice Over IP (VoIP) phone utilization grows, losing the core network link, usually a Wide Area Network (WAN), means losing dial tone for the phone. Further, today's consumers have quickly grown accustomed to portable approaches to customer service and now expect them everywhere, causing many businesses to play catch-up. As soon as Avis debuted rental lot check-in and check-out, other car rental agencies hurried to follow suit. Internal efficiencies are also realized via portable devices. For example, adding portable credit card scanners brought Nordstrom a 15% increase in sales. Bedside devices are now greatly reducing human error in the healthcare industry.

While these portable-device assisted approaches provide competitive and cost-efficient advantages, they worsen an already existing problem: How can all of these devices be effectively managed? Providing device integration and ensuring reliable operations add complexity to increasingly dynamic network environments that are usually already struggling to accommodate ever-evolving demand.

Product Summary

An appliance purpose-built for extending vital network services to the network edge for Retail, Hospitality, Restaurants, Healthcare, Education and other industries:

Drop-in Ease
- Fits anywhere because of its small form factor: on a Desktop, in a Closet, or Rack mount.
- Doesn't need special cooling
- External power supply with orderable spares
- No local networking expert needed

Service Flexibility
- Enables all network services from ANY location, including DNS, DHCP and IPAM, file and time services
- Supports all IP-based devices, including stationary equipment and mobile devices
- Central management ensures that appliances can be effectively controlled and maintained from a central view

Local Survivability
- Even if the link to the main network is down, you can get to printers, the Web, applications, and more.
- Survives even extended outages since it logs data and syncs up with the Infoblox Grid once connected
- Improves availability, scalability, performance via placement on the 'network edge' with a backup network connection
A New Solution for New Opportunities

Infoblox, the leader in Automated Network Control, has developed an entirely new, groundbreaking approach to enabling mobile customer service and remote applications such as inventory management. The Trinzic 100 Network Edge Services Appliance (Trinzic 100) is small enough and powerful enough to perform anywhere at any time to meet the needs of our market- and thought-leading customers, particularly the retail, hospitality, and healthcare industries.

Now you can utilize the same powerful networking capabilities as your branch office anywhere — in a parking lot, in a warehouse, in an operating room or an ER, in a side office, in a mall kiosk, even by the hotel swimming pool! — and have it operate day and night, 24x7. The Trinzic 100 enables full communications capability literally wherever it is placed, and it can be placed anywhere. Its form factor is small enough to put it on a desktop, on a hospital bedside table, or even in a warehouse.
Trinzic 100
Network Edge Services Appliance

Benefits

- Delivers local survivability – ensuring availability of critical network services - even for extended network outages due to ability to log data then sync when connected
- Operational simplicity with central management, software, and configuration management
- Full visibility through tight integration with Infoblox Grid and Report Server
- Enables ‘point of transaction’ services that are often demanded by consumers as well as critical to improvements in sales revenues and customer satisfaction

A Fully-Networked Branch Office Anywhere

The opportunities opened up by the Trinzic 100 are endless. Anywhere you once wished you could enjoy connection to your network but didn’t see how it was possible is now a reality:

- **In retail sites** for customer service, portable checkout, ad hoc point-of-sales, warehouses, and mobile sales;
- **In healthcare environments** for patient record flow, pharmaceutical tracking, equipment monitoring for ICUs and operating rooms, and remote diagnosis;
- **In education** for field learning, transportation tracking, remote campuses, and supply inventory.
- **In the field for law enforcement** investigations, military missions, disaster relief efforts, and first responder units;

The Trinzic 100 Network Edge Services Appliance:

- Provides full “branch office” networking at any point of transaction by:
  - Connecting all IP-based devices, including the usual stationary equipment, such as VoIP phones, printers, workstations, and mobile devices
  - Providing access to all your customary applications and the Web
  - Enabling interconnections and resource connections so that all your usual network services and capabilities are available on-site, wherever that site is located

- Delivers survivable network services — DNS, DHCP, time services (NTP Server) and file distribution services (TFTP, FTP, HTTP) that:
  - Remain resilient even when WAN links become disrupted
  - Auto synch when connected
  - Continue to operate even during extended core network outages

- Enables visibility to the branch — so that you can monitor what is happening at all times — by:
  - Leveraging Infoblox’s management efficiencies that scale to 1000’s of appliances in a worldwide configuration
  - Sending data to the Infoblox Report Server to allow reporting for network-wide usage and trend analysis

Benefits

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Hardware Specifications

USB Ports
• One USB 2.0/1.1 compliant (reserved for future use)

AC Power Supply
• One (1) external PSU
• Input voltage: 100 - 240 VAC switchable 50 - 60 HZ
• Output Power: 60W

Disk and Fans
• One (1) fan
• One (1) disk (fixed)

Operating Temperature
• 41°F to 95°F (5°C to 35°C)
• 10% to 90% relative humidity, non-condensing

Storage Temperature
• -13°F to 158°F (-25°C to 70°C)
• 10% to 90% relative humidity, non-condensing

Dimensions and Weight
• Enclosure: 1-U desktop. Rack-mountable with optional rack mount kit
• Height: 44mm (1.73 in.); 1 rack unit
• Width: 200 mm (7.87 in.)
• Depth: 233 mm (9.17 in.)
• Weight: Approximately 4 lbs. (1.81 kg)

Certifications
• Safety: FCC, CE, TUV, CB, VCCI, C-Tick, KCC, CCC, NOM
• Environmental: WEEE and RoHS

Support
• Standard warranty includes 90-day software support with one-year hardware support; upgradable

Software Features

NS1GRID Licensing Only
• NIOS Operating System
• Grid-Member only
• Full compatibility with the Trinzic Report Server
• DNS, DHCP, time services (NTP Server), and file distribution services (TFTP, FTP, HTTP)

Non-Supported Features
• Grid-Master and Standalone mode
• HA (VRRP)
• Anycast-DNS BGP
• bloxTools
• NIOS Discovery
• vDiscovery
• DHCP Lease History and DNS Query logging (replaced by interface with the Trinzic Report Server)

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.