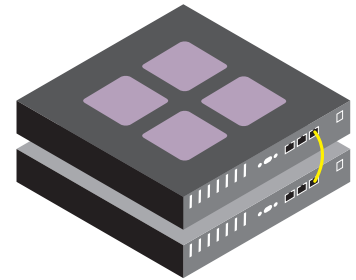


DNS One Network Identity Appliance

The Infoblox DNS One network identity appliance incorporates both DNS and DHCP services, as well as a web-based user interface, in a single product.



PROTOCOL FEATURES

Domain Name System (DNS) Features

- Standards-based name server, supporting
 - › RFCs 1034 and 1035
 - › Dynamic update, RFC 2136
 - › Incremental Zone Transfer, RFC 1995
 - › Notification of Zone Changes, RFC 1996
- DNS protocol engine based on the latest stable, secure release of BIND 9
- Secure DNS-DHCP integration updates DNS when leases are issued
- Conditional forwarding
- Microsoft Active Directory support
- IP address-based access lists on queries, zone transfers, and dynamic updates
- Zone import tools
- Customizable TTL settings

- VLSM (Variable Length Subnet Mask) support
- CIDR (Classless Inter-Domain Routing) support
- Multiple subnets per segment (supernetting)
- “Static leases” based on MAC address (manual allocation)
- MAC address-based filtering
- Address availability checking before assignment
- Support for custom DHCP options
- DHCP relay agent/Option 82 support
- Secure DHCP-DNS integration updates DNS when leases are issued
- Active lease viewer
- Windows, UNIX, and Mac OS compatibility
- External syslog server support

Dynamic Host Configuration Protocol (DHCP) Features

- Standards-based DHCP server, supporting
 - › RFCs 2131 and 1531
 - › BOOTP, RFCs 1534 and 2132

MANAGEMENT FEATURES

- Capacity to administer up to 100,000 IP addresses per unit
- One-button updates for entire code base
- Secure, web-based management via a graphical user interface
 - › No client software needed)
 - › 128-bit encryption
- Perl-based API for
 - › Programmatic remote management
 - › Integration into existing data management systems
- Tools for
 - › Importing/exporting data from/to various formats
 - › Importing/exporting entire database using XML
- Backup/Restore facilities
- “Cloning” feature to duplicate entire appliance to another DNS One
- “Phone Home”[®] feature for notification of hardware/software issues
- SNMP support (both MIB and trap)

Interface

- Secure, web-based GUI
- No additional software installation required
- Works with Netscape 4.7 or higher (Windows, Linux, Irix, Solaris, HP-UX, AIX)
- Works with Internet Explorer 5 or higher
- Intuitive DNS and DHCP administration
- Fine-grained user access control
- Graphical tools and wizards for
 - › Setting up initial configuration
 - › Importing existing data
 - › Setting up and calculating networking structures
 - › Viewing DHCP lease details
- Support for large address spaces
- Close correlation of PTR records with associated A records
- Ability to set default values for zones and networks
- Hardware and software monitoring
- Configurable system logging

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APPLIANCE FEATURES

Security

- Fine-grained user access control
 - › Support for multiple administrative accounts
 - › User access control by zone or network
 - › “Filtered views” allow for accounts to see only certain zones/networks
- IP address-based access list on access to the management interface
- IP address-based access lists on queries, zone transfers, and dynamic updates
- Minimal TCP and UDP ports available
- Zone transfers disabled by default
- One-button upgrades for CERT (Computer Emergency Response Team) advisories
- Optional high availability for critical name servers

Software Platform

- Custom, minimal Linux distribution with latest security patches

- Optimized kernel tuned for network and filesystem performance
- Journalled file system for unsafe shutdowns
- Transaction-protected, embedded database
- Real-time monitoring and failure notification of
 - › DNS and DHCP services
 - › Hardware
 - › Remote interface availability
- Minimal open ports
 - › 53 UDP/TCP (for DNS, access control available)
 - › 66/67 UDP (for DHCP, access control available)
 - › 443 TCP (for SSL, access control available)
 - › 15300 TCP (for optional scripting interface, access control available)

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