

# LDAP One Network Identity Appliance

Secure, simple, reliable appliance for scalable LDAP storage services.

## OVERVIEW

The Lightweight Directory Access Protocol (LDAP) is the protocol of choice for accessing network-based directory information. As more devices are deployed in the infrastructure, more identity data has to be managed, often in an increasing number of data stores. With this proliferation of user, device, and policy data along with heightened security concerns, the need for centralized administration and distributed enforcement is growing. An LDAP directory becomes a key part of the security architecture as sensitive network identity information is consolidated and accessed over LDAP.

LDAP One appliances are designed to provide the foundation for next-generation network identity services in a secure and easy-to-manage implementation. The hardened appliance design and intuitive graphical user interface (GUI) simplify the application and administration of LDAP-based network identity services.

## BENEFITS AND FEATURES

### Simplified LDAP Security

LDAP is a key part of any security architecture because sensitive network identity is often managed by the protocol. Infoblox delivers LDAP via a hardened appliance, the most secure approach to delivering directory-driven network identity services. LDAP One also supports lookups over SSL or TLS. This ensures private communication of user data, such as cleartext passwords, across the network to devices authenticating users.

### Streamlined Data Management and Interoperability

LDAP One reduces the configuration and time involved with setting up an LDAP server. As an appliance, there is no base platform that needs to be configured and locked down. The directory software is already installed and schemas for common applications are pre-loaded. You're ready to import user and device data as soon as you've configured the name of your directory information tree. Based on the latest versions of the Internet Engineering Task Force (IETF) standards specifications for LDAP v3, the LDAP One appliance interoperates with all the newest clients and, with compatibility mode enabled, is backwards-compatible with v2 clients.

### Highly Available Critical Data Services

In a directory-enabled data environment, the availability of LDAP services is critical, and costly if compromised. Infoblox's highly evolved HA architecture and straightforward API allow

## LDAPone



### Introducing the LDAP One Appliance

- › Hardened appliance design for secure service delivery
- › Directory and schema administration via intuitive web GUI
- › Quick installation and intuitive, secure management
- › Easy importing of LDAP schemas
- › Suited for all levels of directory administrators
- › One-click upgrades and customized monitoring
- › True hardware and software redundancy
- › Advanced logging and reporting tools
- › On-board help and diagnostics

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organizations to deploy a truly resilient and customizable LDAP architecture in the enterprise backbone and in remote sites.

## A Better Approach to Scalability and Total Cost of Ownership

Infoblox delivers network identity appliances via hardened, distributed appliances. In addition to security, simplicity, and reliability gains, the appliance approach offers unmatched scalability and reduced total cost of ownership when compared with traditional, centralized software-based approaches.

## APPLICATIONS

### NIS/NIS+ Migration

LDAP One comes pre-loaded with the schemas necessary to import NIS or NIS+ data. Once imported, UNIX clients are easily reconfigured to use LDAP One to retrieve data.

### Directory-Enabled Firewalls

User authentication and authorization information for various directory-enabled firewall and VPN devices can be centrally stored in LDAP One. Schemas for well-known vendors are already pre-loaded, and because the user and group data is centrally managed, enabling and disabling access is simplified.

### Directory Deployment at the Edge of the Network

Even if your enterprise supports a central or distributed directory infrastructure consisting of one or more flavors of directories, there is a need to deploy directory instances outside the perimeter of defense at the edge of the network with minimal identity content. The LDAP One secure appliance is the ideal solution for deployments that demand such specialized, secure and highly available directory service instances.

### Scaled-Down Directory Instances

LDAP One complements application deployments with a standards-based, application-specific directory service. LDAP One is used to perform application-specific authentication, authorization, access control, and profiling. The appliance can also be configured to maintain application-specific data and requires minimal effort to setup and maintain, reducing overall cost of ownership. Deploying an LDAP One appliance with a subset of the central directory data frees up network bandwidth and system resources that would otherwise be used for replicating unnecessary data.



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