



# eNetwork LDAP Directory Server

## Highlights

**Delivers cross-platform directory function as a component on AIX, OS/390 and OS/400**

**Provides users with an easy-to-use and highly scalable LDAP-based directory server**

**Reduces time-consuming directory updates**

**Reduces administration of individual application side files and directories**

**Improves access to directory information – with faster performance and high reliability**

**Provides a central repository for configuration and security information**

IBM® eNetwork™ LDAP Directory Server, a component on AIX®, OS/390® and OS/400®, is used by applications and services requiring Lightweight Directory Access Protocol (LDAP) standards-based directory services. This highly scalable directory server meets the demand of e-business in mission-critical environments. It centrally updates information that can later be used by multiple applications, networks and systems across a variety of platforms, significantly reducing the time needed to update individual application side files and directories.

eNetwork LDAP Directory Server, based on the Internet Engineering Task Force (IETF) LDAP standards, uses

DATABASE 2™ (DB2®) as the directory data storage facility. DB2 provides a robust, scalable, industry-tested repository for directory data.

eNetwork LDAP Directory Server offers:

- High performance and scalability. The eNetwork LDAP Directory Server can support millions of entries.
- Secure Sockets Layer (SSL) support for the directory server and client. SSL provides encryption of data and authentication using X.509v3 public-key certificates. The directory server runs with or without SSL support.



- Redirection of directory operations to another eNetwork LDAP Directory Server. Replication support allows additional copies of the directory to be available for directory-read operations, increasing performance and reliability of access.

### A common repository

By consolidating directory information, the eNetwork LDAP Directory Server offers significant benefits to the customer, such as:

- Consolidates administration of application-specific side files
- Provides a central repository for public-key certificates
- Delivers scalability and performance for extranet applications

### Easy to use

The eNetwork LDAP Directory Server can be administered and configured from a Web browser-based GUI. The administrator can:

- Perform initial setup of the directory
- Change configuration options
- Manage the daily operations of the directory

User access control is provided for information stored in the directory and can be defined by an administrator. From a Web browser, users can search for or add to information in the directory.

Client access to the eNetwork LDAP Directory Server is supported using LDAP or HTTP protocols. LDAP client

applications can be built for a wide range of platforms using the IBM LDAP Clientpack, which can be purchased separately. IBM LDAP Clientpack consists of:

- LDAP Version 3, client for Java™ that supports Java Naming and Directory Interface (JNDI)
- LDAP-shared library
- C header files
- Sample programs
- Documentation for the LDAP application programming interfaces

You can develop LDAP client applications to provide secure access to an eNetwork LDAP Directory Server using SSL technology. Implementations of SSL, which employ RSA software, allow LDAP server access with data confidentiality.

### Standards

The eNetwork LDAP Directory Server uses the following Request for Comments:

- RFC 1777 Lightweight Directory Access Protocol
- RFC 1778 String Representation of Standard Attribute Syntaxes
- RFC 1779 String Representation of Distinguished Names
- RFC 1823 LDAP Application Program Interface
- RFC 1960 A String Representation of LDAP Search Filters

### Platform support

eNetwork LDAP Directory Server is included when you purchase:

- AIX, Version 4.3
- Security Server for OS/390, Release 5
- OS/400, Version 4 Release 3

Directory servers are also available for Sun Solaris and Microsoft® Windows NT®.

### Software requirements

Netscape FastTrack Server, Version, 2.01 (available in the AIX, Version 4.3, Bonus Pack) must reside on the eNetwork LDAP Directory Server for Web-based administration using HTTP. (HTML 3.0 and 3.2 are supported.)

### For more information

To find out more about the eNetwork LDAP Directory Server, contact your IBM representative or IBM business partner, or visit our Web site at [www.software.ibm.com/enetwork/directory](http://www.software.ibm.com/enetwork/directory).



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