



# eNetwork LDAP Directory Server

## Highlights

**Delivers cross-platform directory function as an operating system component on AIX and OS/390. Directory components will also be available for OS/400, Sun Solaris, and Windows NT\***

**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 higher reliability**

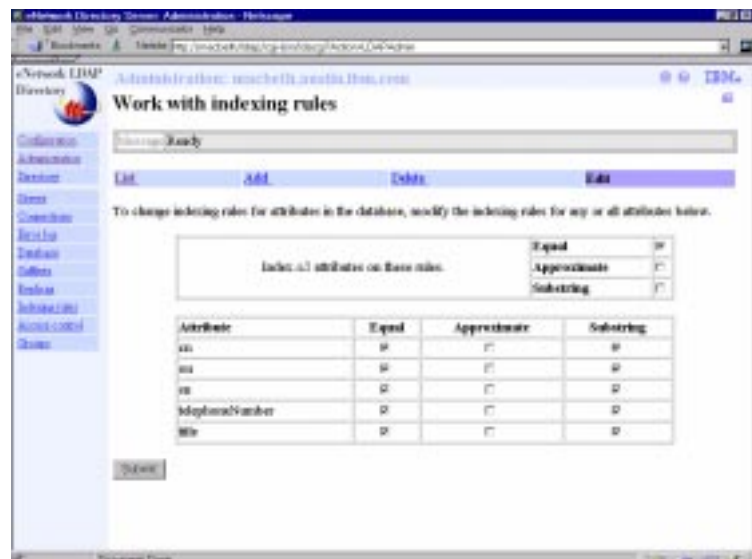
**Provides a central repository for configuration and security information**

IBM® eNetwork™ LDAP Directory Server can be 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-consuming process of updating individual application side files and directories.

eNetwork LDAP Directory Server is based on the IETF LDAP standards. The eNetwork LDAP Directory Server 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 can be configured to run with or without SSL support.
- Support for LDAP referrals, allowing directory operations to be redirected to another eNetwork LDAP Directory Server. Replication of the eNetwork LDAP Directory Server is supported, allowing additional copies of the directory to be available for directory-read operations, increasing performance and reliability of access to the directory information.



### 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

Administration and configuration for the eNetwork LDAP Directory Server is supported by a Web browser-based GUI. The administration and configuration functions allow the administrator to:

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

User access control is provided for the information stored in the directory and can be defined by an administrator. A Web browser enables users to add or search for information stored 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<sup>®</sup> that supports JNDI
- LDAP shared library
- C header files

- Sample programs
- Documentation for writing programs that use 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

Directory Servers for OS/400<sup>®</sup>, Sun Solaris, and Windows NT will be available in the second half of 1998.\*

### Software requirements

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

### For more information

Find out more information about the eNetwork LDAP Directory Server. Visit the Web site listed below, or contact your IBM representative or IBM Business Partner at:

[www.software.ibm.com/enetwork/securitysolution](http://www.software.ibm.com/enetwork/securitysolution)

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