

M-VAULT

INTRODUCING M-VAULT

A high performance X.500 and LDAP (Lightweight Directory Access Protocol) directory server including replication, high functionality access control and security management, graphical administration tools and web access.

LIGHTWEIGHT DIRECTORY ACCESS PROTOCOL (LDAP)

LDAP is the Internet standard directory access protocol. LDAP directories are ideal for use where there is a requirement for very high access performance for large volumes of data, standard protocol access to data with a core standard schema and the ability to easily extend schema definitions.

WHY M-VAULT?

M-Vault provides a high performance, replicated and managed LDAP infrastructure which can be accessed by LDAP applications and services using any widely available LDAP toolkit, often in the context of web applications.

M-Vault features:

HIGH PERFORMANCE

M-Vault manages millions of entries and processes thousands of queries per second. Performance can be monitored and tuned based on usage and service needs. SMP (Symmetric Multiprocessing) is supported to exploit the power of multiprocessing architectures. Recent performance tests against SunONE and OpenLDAP using industry standard DirectoryMark tests showed M-Vault to be faster than Sun on a majority of tests and considerably faster than OpenLDAP on all measures.

HIGH AVAILABILITY

A high-end database transaction subsystem provides assurance that hardware operating system or application failures do not corrupt a directory server database. Transaction support also enables online backup procedures for disaster recovery.

POWERFUL CROSS-PLATFORM TOOLS

M-Vault features the most powerful and flexible directory management tools available. Our Linux, Solaris and Windows Management GUIs are designed to enable low cost management within complex environments. Server configuration, security control and data administration can be managed centrally or delegated to suppliers, partners, customers. M-Vault has the flexibility to allow you to define different access profiles for the multiple administrative management and user groups requiring a relationship with data and data administration features.

X.500 & SSL SUPPORT

M-Vault fully supports X.500, providing rigorous standards for data replication, access control, X.509 strong authentication and other security features. LDAP over SSL/TLS (Secure Sockets Layer, Transport Layer Security) provides online encryption and preserves information confidentiality (including user names and passwords).

EASE OF USE

Straightforward to install and run, the M-Vault 'Getting Started Guide' should ensure that servers are installed and running within 30 minutes.

KEY FEATURES

- High Performance
- High Availability
- Powerful cross-platform tools
- X.500 and SSL support use
- Quick to install, easy to use

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DIRECTORY SOLUTIONS

Applicable to a wide range of solution areas, any organisations can base their entire solution on an Isode directory or use third-party products to add value.

The main M-Vault application areas are:

IDENTITY MANAGEMENT

An important building block for an e-Commerce solution, Identity Management involves the control of the identity, account and associated customer or employee information.

WHITE PAGES

Holding data on user and customer data is the classic LDAP directory application. Access to this data is typically provided via a web interface, such as Isode's WebXS product, or via a custom web application.

EMAIL ROUTING

Sorting data in M-Vault is an efficient way to support complex mail environments where mail delivery and configuration information needs to be shared between and managed across many messaging servers.

APPLICATION MANAGEMENT

Managing authentication for access to applications provided to customers and other users should ideally be done at the directory level. By giving each user an entry in the directory, applications can use M-Vault to authenticate users, check authorisation and store configuration information.

PKI SUPPORT

Use of an LDAP backend is ideal for supporting an X.509 PKI (Public Key Infrastructure). M-Vault has been used in conjunction with all of the major PKI vendors to achieve this.

M-VAULT MODULES

M-Vault Server

An LDAP/X.500 distributed directory server offering high performance, proven scalability and full interoperability with other LDAP and X.500 directory servers.

EDM (Enterprise Directory Management)

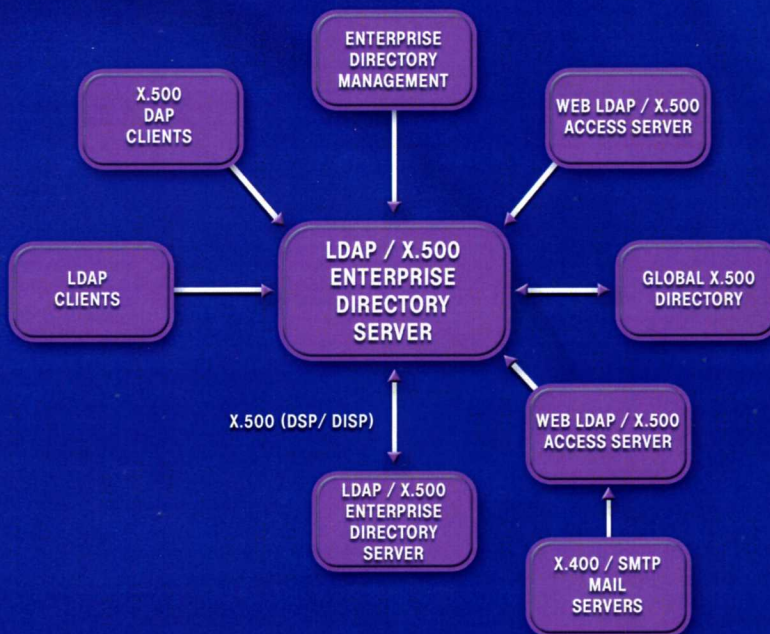
The EDM GUI is provided for configuring and maintaining the directory service and implementing security management

DDM (DIRECTORY DATA MANAGER)

An easy to-use GUI front end for the efficient management of large volumes of data. Simple, fast and efficient when searching data, DDM also incorporates sophisticated functionality for more complex requirements.

WEBXS

The WebXS server provides Web access to the directory service via a standard web browser. It can be used to both directly access information and undertake straightforward data modification.



CLDAP SERVER

CLDAP (Connectionless LDAP) caching server delivers high-performance directory access for simple lookup queries.

SUPPORTED PLATFORMS

M-Vault is available on Solaris 7, 8 and 9 for Sun UltraSPARC, Windows 2000 Server and Advanced Server, and RedHat Linux 7.2, 7.3, 8.0 and Advanced Server.

