



View500 Directory Server



Product

View500 is an X.500/LDAPv3/XED/ACP133 directory system specially optimised to hold corporate directory information. It can be used by both switchboard operators and casual web users, and provides facilities for the production of quality printed directories. It is also suitable for use as a public telecommunications directory, a Military (ACP 133) Messaging Directory Service, as a PKI and User credentials directory service for online authentication and access control or as a Directory for a public CA.

View500 supports the Distributed Operations protocol of X.518 for inter-working with other Directory System Agents (DSAs). Version 6.0 of View500 is the first directory server to implement the XED (XML Enabled Directory) standard. (Refer <http://www.xmlmed.info/>)

View500 also includes a full-function stand-alone Directory User Agent (DUA) for MS Windows and a CGI-based DUA for running on a World Wide Web server. Other types of DUA are also provided for printing, administration and batch-mode operation.

Performance

View500 is based on a custom database optimised to support searches in hierarchically structured data. The database supports multiple simultaneous queries and on-line modifications, and allows searches to proceed without interruption even while extensive changes are made to stored data. View500 has been optimised for large databases and high transaction rates, and gives sub-second search performance on databases with hundreds of thousands of entries.

Searching

View500's search processor performs complex searches combined with extensive approximate matching without significant loss of performance. It supports phonetic and typing correction (e.g. "tomson" and "thopmson" will match "Thompson"), prefix matching (e.g. "thomp" will also match), keyword matches, and synonyms, all without loss of speed. This makes the system friendly to ordinary users, and fast for switchboard operators. In addition to simple name and phone number matching, View500 fully supports complex organizational hierarchies, searches by function, and a wide range of information parameters per entry (any of which can be searched on).

Replication & Distribution

By utilising DISP & DSP robust and redundant environments can be designed to ensure maximum availability.

Product Features

- Manages identities, devices and policies.
- Supports current standards and leads in the development of new standards. (X.500, LDAP and XED)
- High performance storage and retrieval.
- Windows Interface for access.
- Web Interface for access and administration.
- Runs on Linux, Solaris, AIX and Windows.
- Powerful searching capability.
- Highly scalable.
- Fully supports Subtree search and component matching for use in Online authentication
- Provides for failover and disaster and recovery.
- Tested in the Defence Border DSA (ACP 133) environment and in High Assurance Guard deployments

Key Benefits

- Provides the hub for identity management
- Open standards adherence ensures success in a heterogeneous environment.
- Fine grained access control and interface, coupled with strong security ensures data is available appropriately and securely.
- Scales to millions of entries, and virtually only limited by available disk space, ensuring future requirements.

Security Features

- Password Protection
- Strong Authentication:
 - SASL Digest-MD5
 - Strong Authentication through X.509. (Users and other DSA's)
- Communications Security:
 - LDAP over SSL
 - SSLv2
 - SSLv3
 - TLSv1

About eB2Bcom

eB2Bcom is an innovative Australian owned company specialising in the distribution, implementation and support of best-of-breed products for Identity Management, Security, MetaDirectory infrastructure & applications, Telecommunications, Melbourne +61 3 9896 7800 and ISP Messaging and solutions for Defence, Police, Intelligence & Enforcement.

An experienced team of software engineers are available for consulting in and around X.500/LDAP directories. These services including:-

- X.500, X.509 and LDAP architectural consulting and design of directory and security solutions.
- X.500 schema and basic access control design and implementation.
- Interface design and implementation for directory centric solutions.

Partnerships

eB2Bcom partners with major vendors to exploit the power of the directory. This includes Meta directory, Virtual directory, User Provisioning and Identity Management.

Applications

- Corporate Directories including:-
 - White Pages (Find People)
 - Yellow Pages (Find Organisations)
 - Blue Pages (Find Services)
- Identity Management
- Secure Email

Supported Standards

ITU-T Directory Standards:

- X.500 – The Directory: Overview of Concepts, Models and Services
- X.501 – The Directory: The Models
- X.509 – The Directory: Authentication Framework
- X.511 – The Directory: Abstract Service Definition
- X.518 – The Directory: Procedures for Distributed Operations
- X.519 – The Directory: Protocol Specifications
- X.520 – The Directory: Selected Attribute Types
- X.521 – The Directory: Selected Object Classes
- X.525 – The Directory: Replication

ITU-T ASN.1 Standards

- X.680 – Abstract Syntax Notation One (ASN.1): Specification of Basic Notation
- X.681 – Abstract Syntax Notation One (ASN.1): Information Object Specification
- X.682 – Abstract Syntax Notation One (ASN.1): Constraint Specification
- X.683 – Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 Specifications
- X.690 – Abstract Syntax Notation One (ASN.1): Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER).

IETF LDAP Standards

- RFC3377 - Technical Specification
- RFC2251 - On-the-wire protocol
- RFC2252 - Attribute Syntax Definitions
- RFC2253 - UTF8-String representation of Distinguished Names
- RFC2254 - String representation of LDAP Search Filters
- RFC2255 - URL Format
- RFC2256 - User Schema
- RFC2829 - Authentication Methods

- RFC2830 - Transport Layer Security Extension
- RFC3641 - Generic String Encoding Rules
- RFC3642 - Generic String Encoding Rules
- RFC1778 - String representation of Standard Attribute Syntaxes
- RFC1278 - String encoding of Presentation Address
- LDAP Password Policy (draft-behera-ldap-password-policy-05)
- RFC 3687—Component Matching Rules

IETF SASL Standards

- RFC2831 - Using Digest Authentication as a SASL Mechanism

IETF XED (Working Drafts)

- XML Enabled Directory
- Schema Operational Attributes
- Protocols
- Transfer Encoding Options
- Schema Language Integration
- XML Representation for ASN.1
- Extended LDIF

Other IETF Standards

- RFC1157 – SNMP
- RFC2605 - Directory Server Monitoring MIB

System Requirements			
Platform	Operating System	Web Server	
Windows version	Windows 2000 Windows 2003	Microsoft Internet Information Server 4 or higher or Netscape Enterprise Server 3.6 SP 3 or higher or Apache HTTP server 1.3.24 or higher	
Solaris SPARC version	Sun Solaris for SPARC 2.6, 7, 8, 9 or 10	Netscape Enterprise Server 3.6 SP 3 or higher or Apache Web server 1.3.24 or higher	
Linux i386 version	RedHat Linux 7.0, 7.1, 7.2, 7.3, 8 or 9.	Apache Web server 1.3.24 or higher	
Programming Interfaces			
C	C++	Perl	PHP
Java	JavaScript	HTML	JNDI Compliant
Scales to millions of entries			



Melbourne: +61-3 -9896-7800
Sydney: +61-2-9779-1597
Canberra: +61-2- 6288-1753
Brisbane: +61-7-3871-1440
Singapore: +65-6841-7374
email: sales@eb2bcom.com
Web: www.view500.com or www.eb2bcom.com