



Enlist enables the reporting solutions by providing a server-side engine and data access clients to report against directory data. The report server is a powerful SQL processing engine. A set of management and data access clients make the server-side reporting functionality available on the client side. Compliance with ODBC, JDBC and XML standards provides a technology to enable existing server and client side applications for LDAP servers.

Server-side SQL Engine

Enlist provides a powerful SQL processing Engine, capable of executing SQL 92 standard statements. This allows execution of search, insert, update and delete operations on the directory data. Support for expressions based search condition enables use of various filters while retrieving the data.

Data Access Clients

The server-side SQL Engine functionality is leveraged using the ODBC, JDBC and XML compliant clients. These data access clients enable applications to execute SQL statements against the directory data. The data access clients comply with the latest version of these standards, for instance ODBC 3.5 and JDBC 2.0.

Resource Pooling

Connection pooling at the report server as well as at the data access client end improves the response to connection operations. Use of cached schema objects also improves connection and SQL processing.

Data Join

Enhanced SQL support with operators such as JOIN and GROUP BY satisfies complex query execution requirements for report generation. It also provides operators such as BETWEEN and IN, which enhances the filtering of directory data.

Script-based Extensions

Invocation of Perl scripts as part of SQL statement execution provides customizability and extensibility. The JOIN and GROUP BY operations, when coupled with Perl script extensions provide useful data manipulation capabilities. Support for aggregate functions such as SUM, AVG, MIN and MAX enable complex directory data analysis.

Internationalization

Supports data conversions for Latin-1 languages that cover the UTF-8 character set. This enables the SQL based international reporting and server side applications to leverage the directory data.

Data-type Conversions

Support for wide range of SQL data types enhances reporting capabilities. Conversion of special LDAP timestamp values in standard SQL timestamp data types helps generate statistical reports against directory data.

Enhanced LDAP Capabilities

Use of advanced LDAP sort and virtual list view controls improves data processing capabilities. Use of LDAP client-side cache reduces the subsequent report generation time.

Group Membership

Special filtering for distinguished names based attributes and multi-valued member attributes when coupled with the join operation provide a strong reporting capability for group-membership queries.

Scalability and Performance

The report server caters to a large number of concurrent connections. Support for block cursors improves the access times between the data access clients and the report server.

Management and Usability

Administration Console and Remote logging facilitates the configuration management of the report server. Simple command scripts can be employed to perform common administration and management tasks over the published text-based communication protocol.

Enlist 3.0 Features

Platform Support

- q Solaris 8
- q Windows NT/2K

Server

- q Multi-threaded
- q Concurrent read-write
- q XML enabled
- q GUI based Administration Console

Configuration Repository

- q Single universal repository
- q Persistent configuration settings
- q Runtime load and usage of settings

Data Access Clients

- q ODBC 3.5 compliant data access driver
- q JDBC-ODBC bridge based data access
- q Generic XML client

SQL Compliance

- q Subset of SQL 92 standard supported
- q Support for SELECT, UPDATE, INSERT and DELETE SQL statements
- q Support for JOIN and GROUP BY operations
- q Support for IN and BETWEEN operators
- q Support for aggregate functions

Extended operations

- q Extended operations using Perl scripts
- q Enhanced distinguished name attribute comparison and grouping support

Data Conversions

- q UTF-8 and Latin-1 character set supported
- q Wide range of SQL data type supported
- q Special support for timestamp based data types and values

High Performance

- q Connection pooling support
- q Block cursor support
- q LDAP cache used at the report server end

Deployment

- q Designed for scalability
- q Reduces client connection times
- q Server-side schema configuration sharable across multiple clients

System Requirements

- q A server machine running Solaris 8 or Windows NT/2K for Enlist Report Server
- q A machine running Solaris 8 or Windows NT/2K for the Enlist Data Access Clients
- q 128 MB of RAM (256 MB is recommended. RAM requirements are governed by the in-memory LDAP cache and query processing)
- q 50 MB of disk space (plus configuration and custom data storage)
- q Windows NT/Professional for Enlist Administration Console

Product Evaluation

The Enlist Evaluation Program provides you with access to a fully functional free evaluation version of Enlist Report Server. Please visit www.PersistentData.com web site to register.

Product Support

The Enlist Report Server is fully supported during the evaluation period. In order to seek prompt response and explore the capabilities of Enlist, please send an email to support@PersistentData.com.

Persistent Data Infrastructure Suite

The data infrastructure suite consists of solutions that provide a platform for satisfying evolving requirements. To learn about the offerings please send an email to products@PersistentData.com.



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