

Sentences™

“Lazysoft's Sentences lets you build sophisticated, web-enabled, multi-user database applications in days, not months.”

Sentences™ is a development environment and database management system based on the innovative **Associative Model of Data**. It dramatically reduces development timescales, and enables real-time aggregation of data held within legacy systems.

Every enterprise can benefit from custom-built applications. With Sentences, Lazysoft has reduced the cost of application development to the point where any enterprise, regardless of size, can afford them.

Sentences comes complete with a full set of development tools, interfaces and applications. Using the integrated Sentences Deployment Environment, users can design and deploy sophisticated database applications more quickly and with less technical know-how than has previously been possible.

As well as rapid development and deployment, and the security and scalability required by modern database management systems, Sentences and the associative model provide these unique capabilities:

- **Omnicompetent Programming**, which allows a single set of programs to implement many different applications, affording substantial development cost savings, delivering true program re-use for the first time.
- **Transaction Capability**, which allows Sentences to accept and originate database transactions in XML.
- **Application Feature Partitioning**, which allows application features to be visible or invisible to individual users or groups of users, ideally suited to the needs of a web services environment.
- **Schema Aggregation**, which allows disparate databases to be viewed together or amalgamated at any time without special tools, for data correlation and analysis.
- **Diagramming capability**, which allows both schema and data to be represented graphically, for clarity and ease of presentation.
- **Language Independence**, which allows an application to be accessed in many human languages simultaneously.
- **Instance Schema**, which enables schema and rules to apply to a single instance in the database with no overhead, for example to record the unique needs

of key customers, or unique features of product variants.

Sentences is available in three editions:

- **Sentences Enterprise Edition** is a robust, scalable, multi-user, web server based environment.
- **Sentences Workgroup Edition** is functionally identical to the Enterprise Edition, but includes only the core options that most customers will need.
- **Sentences Personal Edition** is a single-user edition with most of the functionality of the Enterprise and Workgroup Editions, available free of charge.

Sentences Version 3

Sentences comprises:

- **Sentences DB**, the Sentences database engine, which supports data update and retrieval, transaction processing and query execution. It includes full APIs for Java and for XML transaction processing. Sentences DB is written in Java and runs on Windows, Linux, Solaris and IBM iSeries platforms.
- **Sentences DE**, the Sentences Deployment Environment, provides development and deployment tools for database schemas, business rules and queries, and tools to create and maintain database profiles. Sentences DE includes a Java user interface that allow users to maintain, access and query data in Sentences DB via the web. Once developed, Sentences applications may also be deployed to browsers independently of Sentences DE, using HTML. Sentences DE runs as a Java applet in any browser with a Java 2 plug-in.

Sentences integrates well with other data-bases, application servers and desktop tools, exchanging data via XML and other protocols.

Sentences is scalable for informational and transactional database applications, and for casual browsing and information serving to web communities.

Sentences allows you to:

- **Derive more value** from your investment in Intranet infrastructure by rapidly deploying group productivity applications such as CRM, sales force automation, incident tracking, technology management, campaign management and HR.
- **Enhance and extend your enterprise applications** with additional features and functions that could not be cost-effectively deployed using relational capabilities.
- **Enhance your operations** with targeted business intelligence applications: analysing buying patterns, tracking asset utilisation; auditing HR assets such as staff skills, qualifications and languages; analysing marketing campaign responses.
- **Develop sophisticated databases** for your customers and audiences to browse via the web: eg. airline timetables; sporting fixtures and results; large product ranges and cataloguing.

LazyView™ Database Aggregation

Modern businesses frequently have to deal with islands of information residing in different database applications which are often geo-graphically dispersed. For example, disparate aspects of customer data may be held in an accounting system, a CRM system and a sales order processing system. Or a company may find that it can only obtain a global view of its sales pipeline by aggregating data from databases running in New York, London and Tokyo.

LazyView extends the capability of Sentences, providing real time aggregation of data drawn simultaneously from Oracle®, DB2®, SQL Server™ and other relational databases.

LazyView gives users the unique ability to integrate information from multiple, disparate relational databases quickly and easily without moving data, and without costly data warehousing and migration tools. In addition, Sentences' native ability to read and write XML also enables it to integrate relational data with data from non-relational and web-based sources.

Lazy Analytics™ OLAP Capability

Lazy Analytics™ adds OLAP capabilities to Sentences Version 3. It enables Sentences' users to manipulate, slice and dice data for analysis purposes, by applying analytical operations such as ratios, cumulative totals, trends and allocations across dimensions and across hierarchical levels, allowing users to make critical business decisions based on intelligent real-time reports without the need to develop a data warehouse. Pre-aggregation techniques are used to accelerate performance.

"Clear and compelling benefits in a number of key areas of data management"

- IDC

"Immediate utility in rapid application development with solid long-term value in mass-deployment and EII applications"

- Aberdeen Group

"As a departmental computing tool, Sentences has a great deal of potential for Argos"

- Argos Retail Group

"Sentences can supply organisations with a significant and rapid ROI."

- Bloor Research

"A solution that the market has been waiting for"

- Butler Group