

PRODUCT OVERVIEW



codefutures

FireStorm/DAO

CodeFutures' first product, the award-winning FireStorm/DAO, makes Java software developers more productive by automatically generating Java source code for accessing relational databases.

"We used FireStorm/DAO on a major portal project. By eliminating a large amount of manual coding, our developers **were able to devote greater time to working through the complexities presented by the project** itself rather than the 'nuts and bolts' of the framework we had chosen to adopt. In this way, FireStorm/DAO complemented our existing development processes very well."
Paul Bernard, Web Services Manager, **Metcash**

Metcash (ASX: MTT) is a leading marketing and distribution company operating in the food and other fast moving consumer goods categories, with sales in 2003 of over AUS\$ 7 billion.



FireStorm/DAO imports database schema definitions from SQL scripts or from live databases through JDBC and then generates a complete persistence tier based on the Data Access Object (DAO) design pattern. The generated source code is well written, consistent, and contains documentation. FireStorm/DAO can generate source code based on different Java persistence technologies, including Java Database Connectivity (JDBC), Java Data Object (JDO), Hibernate, and Enterprise JavaBeans (EJBs).

The benefits provided by CodeFutures' approach include higher developer productivity, better software quality, and lower maintenance costs.

Measurable Productivity Gains: Generating code by definition is always going to be much faster than hand coding. The productivity gain when writing the data access code is at least 70%, with the coding part of the design, code, and test cycle eliminated.

Higher Quality: Generated code is error free and well designed. Development teams are more consistent. Automatic code generation ensures that software developers are more likely to be focused on the business requirements than the more mundane task of coding.

Lower Maintenance Costs: The code generated by FireStorm/DAO is very easy to understand and therefore easier to maintain. The true long-term value of code generation emerges when there are new business requirements. Ongoing maintenance costs are reduced because it is easier to regenerate code than make manual code changes.

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FireStorm/DAO Product Editions

There are three editions of FireStorm/DAO.



FireStorm/DAO Enterprise Edition

FireStorm/DAO Enterprise Edition offers the choice of generating a DAO tier using JDBC, Java Data Objects (JDOs), Hibernate, or Enterprise JavaBeans (EJBs). The Enterprise Edition generates a complete Struts JSP or plain JSP Web application for interacting with the generated DAO tier. It is also possible to select individual tables and views for DAO tier generation rather than import the entire database schema or stored procedure.



FireStorm/DAO Architect Edition

FireStorm/DAO Architect Edition offers all of the features of the Enterprise Edition but also allows new custom code generation modules to be developed and integrated with the FireStorm/DAO Studio environment. The code generation modules are written in standard Java so there is no need to learn a proprietary code generation template language as with other solutions. The Architect Edition enables developers to add in environment-specific features such as caching, security, auditing, and clustering.



FireStorm/DAO OEM Edition

FireStorm/DAO OEM Edition is specifically aimed at software product vendors. The functionality is the same as FireStorm/DAO Architect Edition, with additional, normally unavailable, internal technical documentation and access to source code as required. CodeFutures' commitment to flexible licensing arrangements and product packages ensures that ISVs of any size can be accommodated.

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Contact Details

Web: www.codefutures.com

Email: sales@codefutures.com

CodeFutures Software
Interlocken Center
11001 W. 120th Avenue
Suite 400
Broomfield, CO 80021
Fax US: +1 303 484 5134
Phone US: +1 303 604 9669
Toll Free US: 866 604 9669

CodeFutures Software
Dorset House, Suite 32,
Duke Street
Chelmsford, Essex
United Kingdom CM1 1TB
Fax UK: +44 845 280 1775
Phone: +44 777 568 8081

CodeFutures Software
1 Parkgate Place
Parkgate Street
Dublin 8
Ireland
Phone: +353 862 607 139
Fax: +353 1 633 5084