

PRODUCT OVERVIEW



codefutures



“FireStorm/DAO Architect Edition gives us full control and ownership over the code that is much preferred over other proprietary products. In our experience, most other database mapping tools and products provide great productivity over the short term, but over the long term, the inability to control the generated JDBC introduces bugs that are very difficult to fix and maintain. FireStorm/DAO will definitely stay part of our tool set within the foreseeable future!”
Kobus Steenekamp,
Senior Java Developer,
Discovery Health

FireStorm/DAO Architect Edition

Firestorm/DAO Architect Edition is a powerful and flexible Java Java persistence tier code generator that provides users with complete control over code generation. Code generation can be customized to the exact user requirements by modifying the Java source code of the code generation templates.

FireStorm/DAO Architect Edition includes the source code for the code generation templates of all the FireStorm/DAO Enterprise Edition DAO options (JDBC, EJB CMP, Hibernate, JDO).

The code generation templates are written in standard Java so there is no need to learn a proprietary code generation template language as with other solutions. There is no limit on the number custom DAO design templates can be developed and distributed – possibly using different DAO templates for different parts of the same application. Additional non-DAO custom code generation templates can also be developed by Architect Edition users and distributed without restriction. The customized code generation templates can be used with both the Enterprise Edition or Architect Edition as part of a team license.

FireStorm/DAO Architect Edition includes the source code for the each of the DAOs (JDBC, EJB CMP, Hibernate, and JDO) and also JSP code generation. This allows FireStorm/DAO to be customized:

- Optimize performance based on specific project requirements
- Integrate more closely with existing development procedures and build environments, such as internal coding standards
- Add environment-specific extra custom features such as caching, security, auditing, and clustering

There are no restrictions on customization or the number of custom templates that can be produced.

The maximum benefits of FireStorm/DAO are usually derived by a software development group using the Architect Edition to customize the DAO design template for its environment.

An experienced software developer within a software development team customizes the DAO template. Then any other programmers that want to develop a database persistence tier use the Enterprise Edition and the custom DAO template provided by the DAO architect.

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“FireStorm/DAO is a great tool not only for rapidly prototyping, but also for doing production quality code. During code reviews and load testing, we have found that the code generated by FireStorm/DAO performs exceptionally well. We have eliminated the concern of connections remaining open and each developer implementing persistence layers differently.”

Robert Peck, Lead Architect,
Ahold USA

Ahold USA (NYSE: AHO) is a leading food provider in the United States. Its six successful U.S. retail companies operate more than 1,600 stores along the US eastern seaboard.

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FireStorm/DAO with Development Teams

The DAO templates in FireStorm/DAO Architect Edition can be customized to a project's exact requirements: optimize performance, integrate more closely with existing build environments, and add environment-specific extra custom features such as caching, security, auditing, and clustering.

The benefits of using FireStorm/DAO Architect Edition with development teams includes:

- The DAO architect has control over the code generated by all other developers using FireStorm/DAO Enterprise Edition, so they can benefit from the DAO architect's specialist expertise.
- The DAO architect can ensure that programmers are strictly following coding standards/best practices. This benefit is important in large organizations with multiple development teams, or where there are multiple development projects, because it ensures a consistent approach to the common task of database access.
- Multiple custom DAOs can be developed as required for different types of projects (for example, optimization for different databases)
- Additional features can be added to the DAO templates by the DAO architect
- FireStorm/DAO can be more closely integrated with existing development procedures (for example, special build system requirements, internal coding standards)
- The Architect Edition can be used to address certain skill shortages – where the DAO expert can control the activities of less skilled developers. It is particularly useful for software developers with database skills that may not have sufficient Java experience to write Java persistence code from scratch.

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