

StrongHold: An Automated PowerHouse-to-Java Tool

Eliminate legacy technologies and reduce costs in the process.

Modernizing PowerHouse

Responding quickly to business needs will keep your company competitive - and being able to reduce costs and risk in the process is a bonus. By modernizing your legacy PowerHouse code to Java, you can move to a modern environment that permits a high level of integration with modern technologies. At the same time, you can reduce your dependence on specialized skill sets and proprietary software.

Flexible Solution, Maximum Efficiency

The Speedware solution features StrongHold, an automated tool that converts PowerHouse code to Java while retaining all business logic.

StrongHold provides maximum efficiency as it automatically converts 90% of your code. It gives you the freedom to configure the conversion process to a high degree, so with little effort the remaining 10% can be automatically converted. StrongHold also helps you identify calls that are made to external programs or through the operating system and then gives you a quick method of converting those calls.

Your converted application looks and operates just like the original application, significantly minimizing the need for end user retraining. StrongHold delivers a converted application that is 100% Java. On the client side, it provides a full graphical user interface or an AJAX-enabled Web application.

You will also have the option of defining how reports are formatted. In your application, you'll be able to send the report to a printer as usual, but you can also define output as PDF, Excel, Word, XML, plain text or stream your output to another service or application.

StrongHold Advantages

As the converted application is 100% Java, it will be easy for developers to maintain the code and extend its functionality with a wide variety of third-party products.

StrongHold does all of the following:

- Automatically converts all PowerHouse sources to a 100% Java application
- Automatically conserves all business logic
- Works out of the box, but provides customization of the process to fully support your needs
- Provides a modern graphical user interface, or an AJAX-enabled Web application, but functions in the same way as your old application
- Provides all the features of a modern application, including printing to multiple targets, distribution of the workload of your application, and a well-supported programming language
- Delivers an application that will be easy to maintain and expand through the Java language, as resources for Java are widely available.

Running Batch Jobs

How do you prefer to run batch jobs in the new environment? The StrongHold solution gives you a variety of options. Batch jobs can be:

- Called and controlled from within the application
- Run from the application as separate processes
- Run by your preferred job controller
- Run through separate application servers.

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The Conversion Process

StrongHold includes conversion tools, a framework for running the application and tools for conversion project management. These management tools help you determine the complexity of the PowerHouse sources and generate reports showing similar sources and interdependency of sources. There is also a tool to determine referential integrity from existing source code.

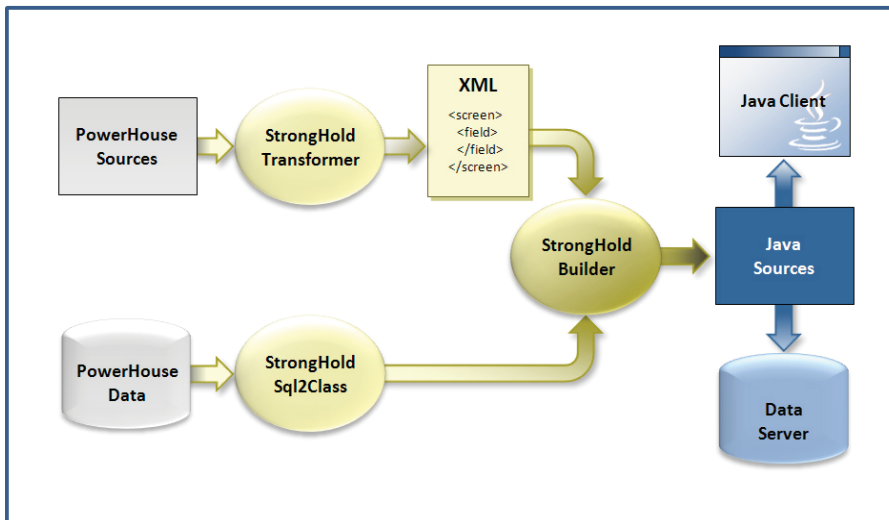
StrongHold gives you the power of an automated conversion with the capacity to customize the process as much as necessary.

- StrongHold reads the PowerHouse sources to determine where GUI items such as tabs, radio buttons and selection lists can be used
- Batch sources are converted to Java programs which can run locally or through an application server

- External processes, including reports, can be integrated into the converted application; PL/SQL integration is supplied with StrongHold, and it is easy to integrate other external processes.
- Reports are converted to XML with style sheets to generate output to printers, HTML, e-mail, etc.
- Labels, tooltips and context-sensitive help are generated from the data dictionary
- Data structure information is converted to scripts for relational database systems
- Every step in the conversion process can be modified through an API. This lets you make custom changes and additions to the conversion process, which helps you enforce company standards for comments, coding, navigation and layout.

Modernization Benefits

- Reduces cost of running legacy applications on expensive technologies
- Permits a staged conversion, reducing potential impact of modernization on company resources
- Gives the company access to a wider resource pool, reducing dependence on resources who have experience in maintaining specialized legacy technology
- Increases capacity for integration with a wide range of modern technology
- Reduces or eliminates concerns about the cost and availability of support for legacy software systems.



PowerHouse sources are run through the StrongHold Transformer. Quiz is transformed to XML; USES and ELEMENTS from the dictionary are also stored in XML files throughout the conversion to access relevant field information. Data structure information is converted using the StrongHold Sql2Class converter.

About Speedware

Speedware has been dedicated to helping companies modernize their business applications for over 15 years and enjoys a 100% project success rate. The company specializes in developing end-to-end modernization solutions that allow industry and government leaders to increase their business agility and reduce their operational costs. Speedware has been a leading provider of enterprise software solutions since 1976, offering a complete suite of legacy modernization, migration and application portfolio management solutions, business intelligence tools and application development solutions.

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