



BigLever Software Integration Solutions for Microsoft®

BigLever's industry-standard Gears Product Line Engineering (PLE) Lifecycle Framework™ enables the integration of tools, assets and processes across the entire systems and software development lifecycle – from requirements to design, implementation, testing, maintenance and evolution.

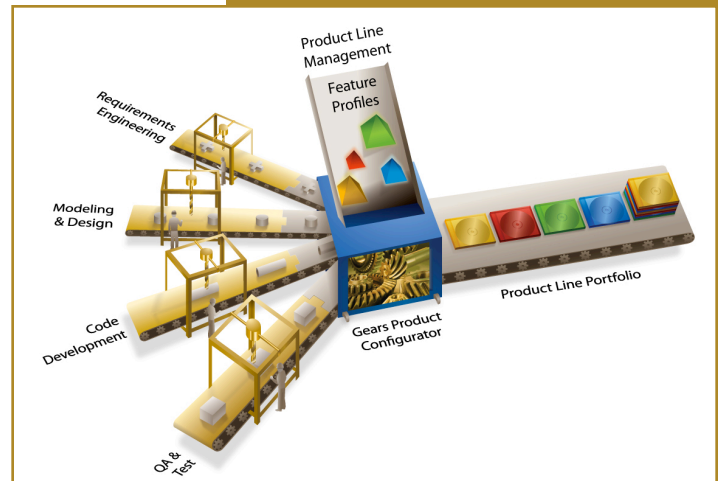
BigLever Software™ provides enhanced integration solutions that utilize Gears concepts and constructs to extend third party tools and ensure consistent PLE capabilities directly from the framework. BigLever's Bridge solutions make third party tools "product line aware" by incorporating standardized variation point mechanisms and enabling the execution of PLE operations – such as product configuration, variation point editing and variation impact analysis – directly from within third party tools.

BigLever offers the following Bridge solution and enhanced Gears support for Microsoft tools:

- **Visual Studio/Gears Bridge™:** Enables Microsoft developers to access and utilize the Gears PLE Lifecycle Framework directly from the Visual Studio user interface and menus. Key capabilities of the Bridge include:
 - Allows the Gears feature model to be viewed within Visual Studio and used to express the feature diversity (optional and varying feature choices) among all the products in a product line portfolio.
 - Provides direct access to the Gears variation point mechanism that can be uniformly applied to product line assets – such as source code, test cases, word-based documents and so forth – to manage feature-based variations in all stages of the development lifecycle.
 - Enables the Gears product configurator to be actuated from within Visual Studio to automatically assemble and configure assets and their variation points – based on feature selections made in the feature model – to produce all of the products in the product line portfolio, with the push of a single button.
- **Gears Support for Microsoft Office Suite:** Enhanced Gears capabilities are also provided for enabling the efficient management of product line variations in Excel, Word and PowerPoint documents by automatically producing different flavors of data worksheets, requirements, user guides and manuals, presentations, legal documents and contracts, instructions to distributors, and so forth.

ABOUT THE BIGLEVER GEARS PLE LIFECYCLE FRAMEWORK

The Gears PLE Lifecycle Framework is agnostic and extends rather than replaces your existing systems and software engineering toolset. Gears is compatible off-the-shelf with many of the industry standards in programming languages and compilers, IDEs, requirements management, change and configuration management, build systems, quality management, model driven development, word processors and documentation.



BigLever Bridge products also include:

- IBM Rational: *DOORS/Gears Bridge™*, *Rhapsody/Gears Bridge™*, *Rational Quality Manager/Gears Bridge™*, *ClearCase/Gears Connector™*, *Synergy/Gears Connector™*, *Rational Team Concert/Gears Connector™*
- Serena: *Dimension RM/Gears Bridge™*, *Dimensions CM/Gears Connector™*
- Open Source: *Eclipse/Gears Bridge™*, *Subversion/Gears Connector™*, *CVS/Gears Connector™*
- Perforce: *Perforce/Gears Connector™*

BigLever Software, Inc.

Tel: +1-512-426-2227
info@biglever.com
www.biglever.com