



BigLever Software Integration Solutions for Perforce®

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.

The Gears Universal Configuration Management Bridge™ enables companies to manage the evolution of product line assets over time, while the Gears Framework efficiently manages the variations among the different products within the space of the product line portfolio. The result is an elegant solution for managing both the variation in time and space for systems and software product lines.

BigLever offers the following integration solution for Perforce:

Perforce/Gears Connector for the Universal Configuration Management Bridge™: Provides seamless integration of time-based configuration management (CM) and feature-based variation management for product assets in the Gears PLE Lifecycle Framework, enabling the automated execution of CM operations as the product line evolves.

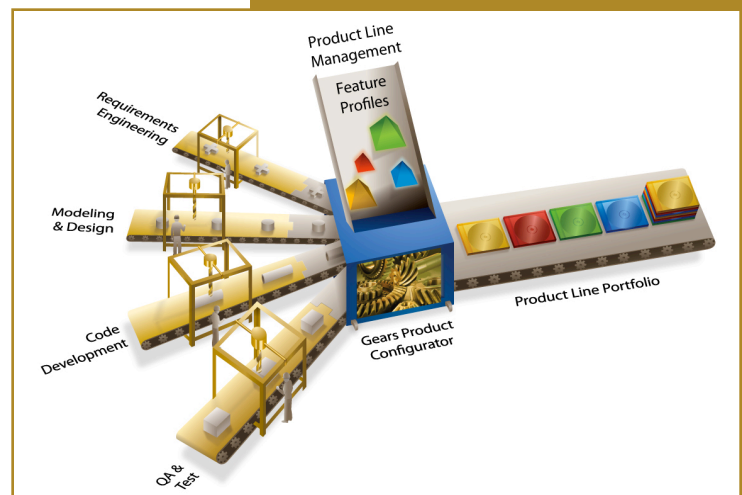
More specifically, the Perforce/Gears Connector enables the associated CM operations to be automatically executed in Perforce when the following commands are performed in Gears:

- New common files or directories, variation points, and product line data files are created.
- Existing common files or directories are converted into variation points.
- Product line data or source files are edited.
- Product line data files, source files, or source directories are renamed.

BigLever's CM Bridge solutions also allow both online and offline operation, so that users can continue to work effectively when disconnected from their CM system – for example, when traveling with their laptops.

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™*
- Microsoft: *Visual Studio/Gears Bridge™*
- Open Source: *Eclipse/Gears Bridge™, Subversion/Gears Connector™, CVS/Gears Connector™*

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