# BigLever Software Integration Solutions
# for MadCap Software

*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.*
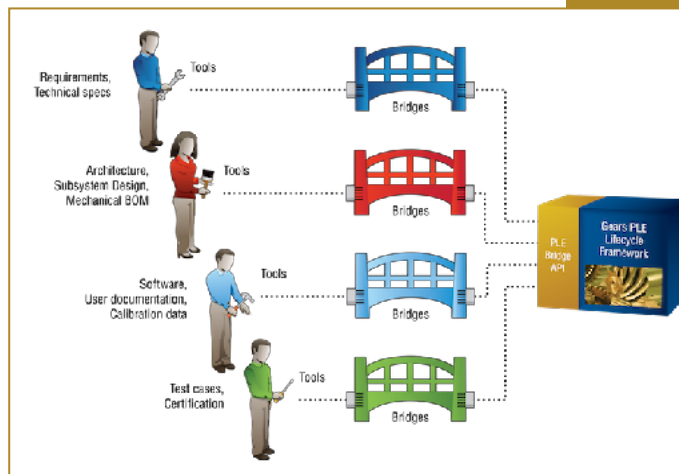
*BigLever provides enhanced integration solutions that utilize Gears concepts and constructs to extend third party tools and ensure consistent PLE capabilities directly from the framework. BigLever's Bridge solutions make third party tools "product line aware" by incorporating standardized variation 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 for MadCap:**

*MadCap Flare/BigLever Software Gears Bridge*: Provides fully integrated documentation management and product line engineering capabilities. With the Flare/Gears Bridge solution, engineering organizations can utilize: 1) Flare projects as first-class shared assets in the Gears PLE lifecycle, and 2) Gears constructs as first-class mechanisms for managing document diversity across the lifecycle and an entire product line.

Specifically, the Flare/Gears Bridge allows users to:

- Use PLE mechanisms to manage document diversity for a full product line from a single, consolidated Flare project, as a highly scalable alternative to cloned copies or ad hoc variation techniques.

- Automatically configure documents for individual products based on Gears feature profiles, in synchrony with other assets in all lifecycle stages.

- Convert any Flare topic, section, or text into a Gears variation point to encapsulate PLE diversity.

- Perform integrated PLE operations – such as product configuration, variation point editing and variation impact analysis – directly from Flare menus.

## THE PLE ECOSYSTEM AND BIGLEVER BRIDGE SOLUTIONS

The Product Line Engineering (PLE) Ecosystem is an open community of world-class tool providers – including developers of commercial, open source, customized, integrated or proprietary Application Lifecycle Management (ALM) and Product Lifecycle Management (PLM) tools – established for the benefit of engineering organizations seeking consistent, compatible, fully unified PLE solutions.

BigLever's Gears PLE Lifecycle Framework provides the technology foundation for the ecosystem. Gears delivers the PLE Bridge API, enabling tool makers to create bridges for connecting their tools directly with the framework.

BigLever offers built-in and Bridge integration solutions for engineering tools and integrated development environments across the full lifecycle:

- Requirements Engineering
- Modeling and Design
- Software Development
- Mechanical Engineering
- Test Case Engineering
- Slideshow Development
- Spreadsheet Development
- Document Engineering
- Configuration Management
- Build Management

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