



IBM Rational DOORS® / BigLever Software Gears™ Bridge Product Overview

BigLever and IBM have joined forces to integrate IBM's industry-leading Rational toolset into BigLever's Gears Software Product Line Lifecycle Framework™ to support seamless product line engineering across the full systems and software development lifecycle. Current technology and methodology integrations into the BigLever SPL framework for the IBM Rational toolset include DOORS, Rhapsody, Synergy, ClearCase, Build Forge, Rational Publishing Engine, Focal Point and Jazz-based Rational Quality Manager and Rational Team Concert.



The IBM Rational DOORS/BigLever Software Gears Bridge provides fully integrated requirements management and software product line (SPL) lifecycle technologies. With the

DOORS/Gears Bridge solution, you can utilize: 1) DOORS modules as first-class reusable assets in the Gears SPL development lifecycle, and 2) Gears constructs as first-class software engineering mechanisms for managing product requirement diversity in your product line, all within the context of the SPL framework. More specifically, the DOORS/Gears Bridge allows you to:

- Use SPL mechanisms to manage requirement diversity for a full product line portfolio from a single, consolidated set of requirements, as a highly scalable alternative to clone-and-own, low-level attribute scripting and one-size-fits-all.
- Automatically configure requirements for individual products based on Gears feature profiles, in synchrony with other assets in all lifecycle stages.
- Convert any DOORS requirement into a Gears variation point to encapsulate SPL diversity – such as requirements options, alternatives and refinements.
- Use one or more DOORS modules in a larger collection of reusable core assets for the full development lifecycle of a Gears SPL portfolio.
- Perform integrated SPL operations – such as product configuration, variation point editing and variation impact analysis – directly from DOORS menus.

For more information regarding BigLever Software Gears SPL Lifecycle Framework integrations, see the Solution section of the BigLever website at www.biglever.com or call 512-426-2227.

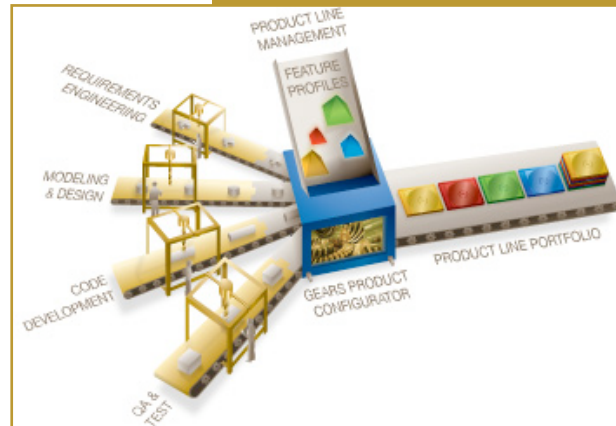
DOORS/GEARS BRIDGE AT A GLANCE

Key Features

- Use DOORS modules in a Gears production line
- Convert any DOORS requirement into a variation point
- Edit logic for DOORS module variation points
- Run Gears actuator from within DOORS
- Execute Gears Membership to perform product impact analysis of requirements changes

Variation Point Types

- Optional requirements
- Alternate requirements
- Text substitution refinements



Product Versions

- DOORS Version: 7.1 – 9.X +
- Gears Version 5.5 +

Operating Systems

- Windows

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