

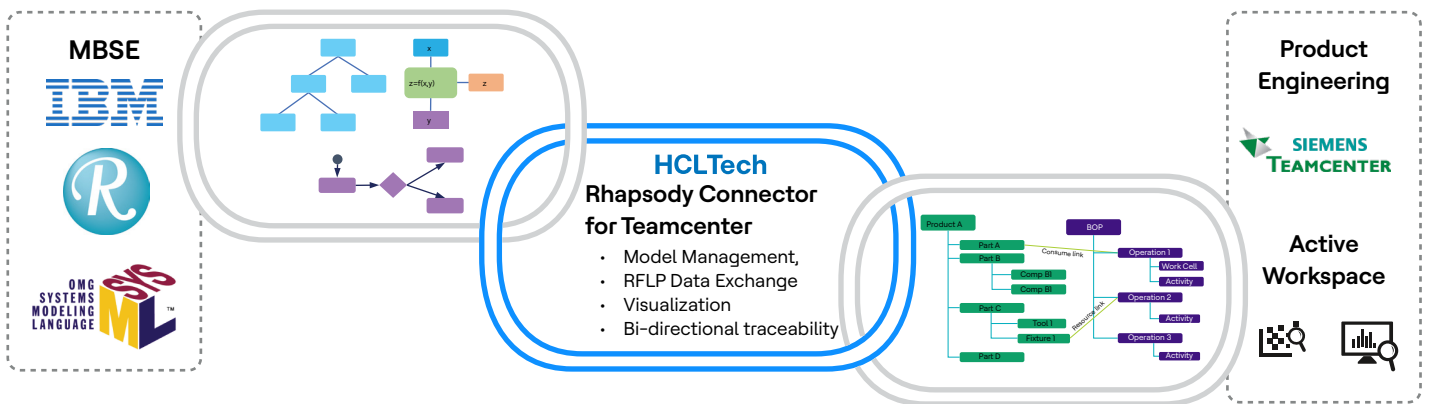


Rhapsody Connector for Teamcenter

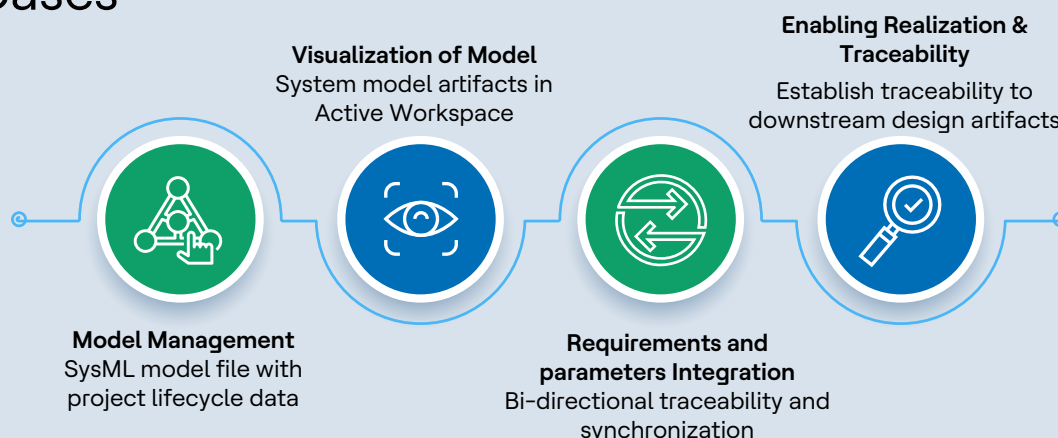
Enabling collaboration across architecture and design

In today's Digital Era, conventional products are being transformed into smart, connected, multi-disciplinary products. Modernizing the product engineering and design methodologies to handle the complexities and scale is becoming inevitable. Model Based Systems Engineering tools (MBSE) address the challenges of architecting multi-disciplinary systems consisting of mechanical, electrical, electronic and software components. Product Lifecycle Management (PLM) tools enable management of detailed engineering artifacts to develop the product definition.

Smooth exchange of data between the MBSE tools & product design and development tools (PLM), is necessary to ensure seamless communication and consistency across different functional teams. HCLTech's "Rhapsody Connector for Teamcenter" delivers capability to integrate system modeling data and artifacts from Rhapsody system modeling tool with Teamcenter PLM, ensuring the downstream connectivity of data and the bi-directional traceability across these tools. The solution offers unique features, such as support for used projects, embedded views, etc. to enable seamless experience in native tools, while facilitating reuse, synchronization, and change propagation.



Use Cases



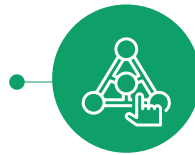
Key Functionalities

- Model and Diagram Publication to Teamcenter and retrieval
- Teamcenter check-out/check-in/revise operation through Rhapsody
- Support for used projects / dependencies
- Requirement Import from Teamcenter
- Customizable mapping for RFLP concepts and attributes
- Bi-directional synchronization
- Concurrent modeling with element check-out and diff-merge
- Support for comparing revisions
- Model revisioning, release workflow triggering

Solution Benefits

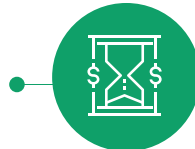
Effective Model Management

Expose Teamcenter PLM operations, such as saving, updating and revising, within Rhapsody modeling tool. In addition, the connector enables you to save selected diagrams (as images) and external files together with a project file in Siemens Teamcenter.



Reduction in Time to market

Better MBSE can improve and shorten the development time by enabling teams to collaborate and understand the impact of their design in early in the product lifecycle. It minimizes the unnecessary rework and expense.



Traceability

Traceability across requirements, SysML models by closing the loop between downstream implementation with upstream plans.



Reusability

Increase reusability of product requirements and system models as a byproduct of development process. That helps in quickly achieve complex interdependent product targets, attributes and constraints for quick analysis before detailed design begins.



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