



Telelogic Rhapsody Gateway

Gateway Eases the Challenges of Reporting, Traceability, and Requirements Management

New in Telelogic Rhapsody® 6.1, the latest version of Rhapsody Gateway includes a modeling solution that extends the benefits of traceability and interoperability to developers, as well as the flexibility to meet the most demanding design documentation requirements in the industry.

Rhapsody Gateway creates a complete traceability solution by providing seamless, bi-directional information exchange with third-party requirements and authoring products. Rhapsody Gateway's open architecture structure supports multiple workflows and is engineered to easily organize complex requirements scenarios.

BENEFITS

- Easy traceability of requirements workflows on all levels, in real-time
- Clear traceability analysis for SysML and DoDAF* modeling artifacts
- Automatic management of complex requirements scenarios for intuitive and understandable views of up-stream and downstream impacts
- Accurate impact reports and requirements traceability matrices to meet the most rigorous industry safety standards
- Rapid monitoring of all levels of the workflow for better project management and efficiency
- Bi-directional information exchange capability
- Bi-directional navigation supports seamless integration of all products used in the workflow

FEATURES

- Provides full support for industry standard SysML and DoDAF* domain-specific languages
- Imports requirements from third-party RM products
- Flexible and open architecture that supports multiple RM products, workflows, requirements definitions, and hyperlinks
- Comprehensive reporting capabilities, including coverage, impact, traceability matrix, project data, and other customizable reports

Requirements Reporting Made Easy

Users can organize complex requirements scenarios from several sources into a single requirements management (RM) environment. They can then automatically collate these scenarios into detailed impact reports and requirements traceability matrices for easy-to-understand traceability analysis.

Rhapsody Gateway provides full compatibility with SysML 0.91, UML® 2.0, and DoDAF Version 1.0. With Gateway, it is now possible to quickly create traceability links using SysML requirements dependency relationships, and then to analyze them.

The Rhapsody Gateway solution is particularly valuable for programmers, developers, and systems architects involved in engineering projects, where specific requirements traceability reports are critical deliverables. In particular, Gateway helps organizations meet the demanding safety regulations of standards-driven industries.

A Flexible Approach to Traceability

Gateway accommodates traceability with a flexible approach to the end user's workflow. You can import requirements from requirements management or authoring solutions. You can then quickly link requirements to model elements stored within the Rhapsody model. Gateway ensures that model elements and requirements are up-to-date and synchronized throughout the development lifecycle. Gateway also provides traceability across multiple Rhapsody models, as well as test designs and final code delivery.

Import Requirements from Third-party RM Products

Importing requirements from third-party RM products to Rhapsody Gateway is easy. Users can rapidly view MDD or requirements changes and track between information exchanges for easy comprehension. The open architecture supports multiple requirements management products, workflows, requirements definitions, and links. Gateway's comprehensive reporting capabilities include coverage evaluation, impact analysis, traceability matrix, and project data reports.

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How it Works

Gateway takes the formalized requirements and systems definitions as inputs and monitors the design and implementation of these inputs throughout the project lifecycle.

Rhapsody Gateway effectively manages requirements traceability, coverage, and impact analysis across the project lifecycle, enabling teams to quickly and effectively analyze their requirements using the standard SysML 0.91 requirements notation.

Rhapsody Gateway also allows users to automatically produce traceability documents from which the end user can then customize his reports.

About Telelogic

Telelogic® is a leading global provider of solutions for automating and supporting best practices across the enterprise — from powerful modeling of business processes and enterprise architectures to requirements-driven development of advanced systems and software. Telelogic's solutions enable organizations to align product, systems, and software development lifecycles with business objectives and customer needs to dramatically improve quality and predictability, while significantly reducing time-to-market and overall costs.

Visit us at www.telelogic.com for more information.

Global Headquarters

P.O. Box 4128, SE-203 12
Malmo, Sweden
P: + 46 40 650 00 00
F: + 46 40 650 65 55

Americas Headquarters

9401 Jeronimo Road
Irvine, CA 92618 USA
P: + 1 949 830 8022
F: + 1 949 830 8023

Offices across Europe, America, Asia
and Australia. Distributors worldwide.

info@telelogic.com
www.telelogic.com