



SodiusWillert AI Modeling Assistant for IBM Rhapsody

Transform how you work in IBM Rhapsody and leverage an AI assistant that simplifies model creation, accelerates analysis, and makes legacy systems easier to understand.

OVERVIEW

Fewer clicks, more thinking – let AI take on the time-consuming and repetitive parts of modeling and stay focused on design decisions

AI Modeling Assistant for IBM Rhapsody transforms natural language requirements into structured models. Instead of spending hours building diagrams from scratch, engineers receive an initial framework they can refine and extend. This makes it easier to get started, stay productive, and reduce the overhead of manual modeling.

Simplify legacy and complex systems: Large or undocumented systems no longer need to be a mystery. AI Modeling Assistant for IBM Rhapsody reads through existing code, generates diagrams, and produces documentation that restores visibility. Teams can approach legacy software with greater confidence and less risk.

KEY CAPABILITIES

Interacting with IBM Rhapsody

AI Modeling Assistant takes care for interacting with the user interface of IBM Rhapsody. Users are relieved from learning how to efficiently leverage the comprehensive user interface of IBM Rhapsody.

Engineers interact in natural language while the Assistant establishes a bridge between IBM Rhapsody and any AI solution that supports the Model Context Protocol standard (MCP).

Interactive and Conversational Modeling

AI Modeling Assistant lets you work interactively with an existing model, with full context awareness regarding existing interfaces, requirements already traced, or the current state machine structure.

It supports a dialogue with the model, enabling interactive refinement similar to how engineers typically work.

USE CASES

- **Review and correct models:** let AI inspect your models, detect inconsistencies, and propose corrections.
- **Generate models from requirements:** Describe the system in natural language, and let AI build the initial model structure. Classes, relationships, and interfaces are created automatically.

Incremental Refinement with Immediate Validation

Any amendments initiated with AI Modeling Assistant will be immediately validated by IBM Rhapsody. You catch modeling errors immediately, at the moment of creation, maintaining consistency of your model.

All the history a model carries, e.g. requirements traces, stereotypes, tags, diagram layouts, property settings, etc. will be preserved.



PRODUCT FEATURES

AI-powered capabilities for every stage of modeling with IBM Rhapsody

Review and correct models

AI Modeling Assistant for IBM Rhapsody inspects models, detects inconsistencies, and proposes corrections. Engineers no longer need to manually comb through diagrams to ensure consistency.

Generate models from requirements

Describe the system in natural language, and AI Modeling Assistant for IBM Rhapsody will build the initial model structure. Classes, relationships, and interfaces are created automatically, giving engineers a head start.

Contextual modeling

Analyze existing models as reference points for new design projects. By providing contextual understanding, it enhances model reuse and supports informed decision-making in complex engineering environments.

Understand domain-specific profiles

AI Modeling Assistant for IBM Rhapsody applies industry or custom modeling profiles, respecting stereotypes, semantics, and constraints so that the generated models align with the engineering context.

Create a model from almost nothing

Even when starting from a blank page, AI Modeling Assistant for IBM Rhapsody can take a minimal prompt and generate a full model, complete with structure and relationships.

Coach for engineers new to IBM Rhapsody

AI Modeling Assistant for IBM Rhapsody acts as a seasoned coach for engineers new to IBM Rhapsody or for occasional users. No in-depth knowledge of the tool is needed to create sophisticated designs or models – the user interface is operated by your AI Modeling Assistant.

BENEFITS

Impacts your team will feel from day one!

- **Free your experts from time-consuming routine tasks.** Let your system and software engineers focus on their core task: creating models that identify the best possible way to solve a problem. In the meantime, AI Modeling Assistant for IBM Rhapsody takes on all the tasks that consume a lot of time but are tedious to accomplish, such as creating documentation, inspecting large models for potential safety issues, or creating a model from a long list of requirements, and much more.
- **Reuse existing models.** No need to re-invent the wheel again. Let AI Modeling Assistant for IBM Rhapsody explore existing models and create a meaningful documentation. Take an informed decision whether existing IP contains valuable components that you can reuse and how you can further develop and use these in your projects.
- **Simplify and accelerate impact analysis.** A thorough analysis of side effects induced by a planned change is key to ensuring high quality deliverables. However, depending on the model's size or complexity, performing this analysis manually can be extremely time-consuming. No need to bother any longer! Let AI Modeling Assistant for IBM Rhapsody inspect models of any size for potential impact of changes and focus on taking informed decisions based on its findings.
- **Minimize ramp-up times.** Jump-start your modeling projects and leverage the coaching capabilities of AI Modeling Assistant for IBM Rhapsody. Your engineers no longer need to be tool experts before they can do any meaningful modeling. AI Modeling Assistant for IBM Rhapsody takes care for operating the user interface as a very experienced user. Communicate with the AI Modeling Assistant in natural language and get down to the actual work without having to complete lengthy tool training first.

