Advanced UML 2.1 Modeling

Telelogic Modeler™ is a Unified Modeling Language™ 2.1 Modeling Environment for Systems and Software Design and Documentation

The complexity of today's software applications and systems designs is increasing. Managing this complexity across distributed design teams requires effective formulation and communication of the design and its intent. To address these challenges, engineers are turning to UML 2.1. Telelogic Modeler, created by one of the authors of UML 2.0, provides users with the ability to easily capture and document the design.

BENEFITS

- Increase productivity and shorten design cycles with visual design and automated document production
- Manage design complexity with the UML 2.1 standard
- Communicate design via a common graphical language
- Target your domain with a customizable and extendable design environment
- Upgrade to leading Model-Driven Development environments Telelogic Rhapsody and Telelogic Tau to obtain simulation, complete application code generation, and collaborative development

FEATURES

- Model-aware design environment: diagrams form a unified model, enabling Modeler to guide you in the creation of complete and correct applications
- Robust modeling: supported UML 2.1 diagrams include: activity, class, component, composite structure, deployment, interaction overview, object, package, state machine, sequence, use case
- Advanced features: Modeler supports complex UML 2.1 elements, including ports, state machine inheritance, detailed activity models
- Integrated documentation: designs can be automatically documented and communicated

Robust Model-driven Design with UML 2.1

Based on technologies found in market-leading Telelogic Rhapsody® and Telelogic Tau® environments, Telelogic Modeler features a robust and thorough implementation of the Object Management Group's (OMG) standard Unified Modeling Language. Modeler enables users to specify, visualize, and document systems and software models. With Modeler, users can analyze requirements, design a solution that meets their needs, and represent the results in a consistent and clearly understood format.

Automatically Generate Complete Documentation from the Model

With the push of a button, Telelogic Modeler enables users to create a document comprised of all the model elements contained within the design. This eliminates the mundane and error-prone task of design documentation.

Customize the Modeling Language to Meet the Needs of Your Domain

Various design disciplines often use different notations to describe their work. In order to effectively communicate within these disciplines, it is best to use the domain-specific terminology. Modeler enables users to customize the modeling language to their specific domain through the UML 2.1 profiling capability.

Promote Team Collaboration with Telelogic Modeler Corporate Edition

For large development teams that need to manage many design configurations, Telelogic offers Telelogic Modeler Corporate Edition, which includes interfaces to popular configuration management tools such as Telelogic Synergy™, and full customer support.

How it Works

Telelogic Modeler is an advanced modeling environment that enables the development of precise, easy-to-understand system and software designs. Using a feature-rich, standardized set of purpose-built diagrams and connectors, developers specify the structure and intended behavior of their system and use this visual specification to drill down to software and platform design. UML 2.1 diagrams supported by Modeler include: activity, class, component, composite structure, deployment, interaction overview, object, package, state machine, sequence, and use case.

Telelogic
Requirements-Driven Innovation

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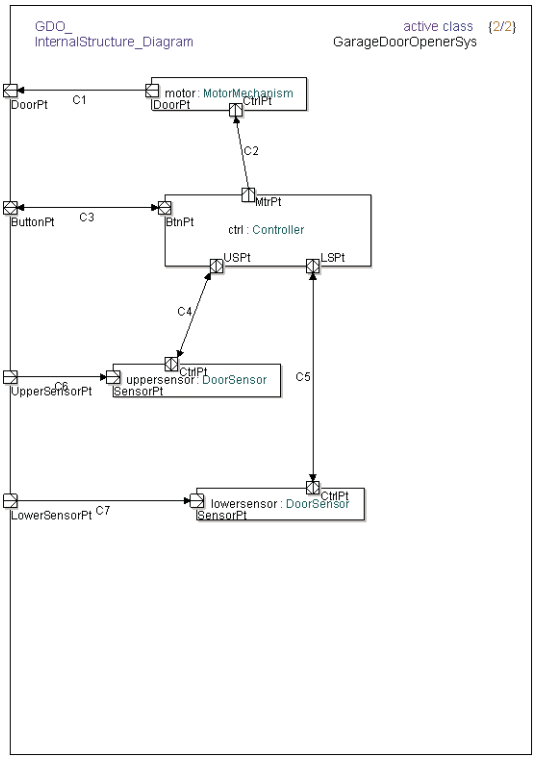
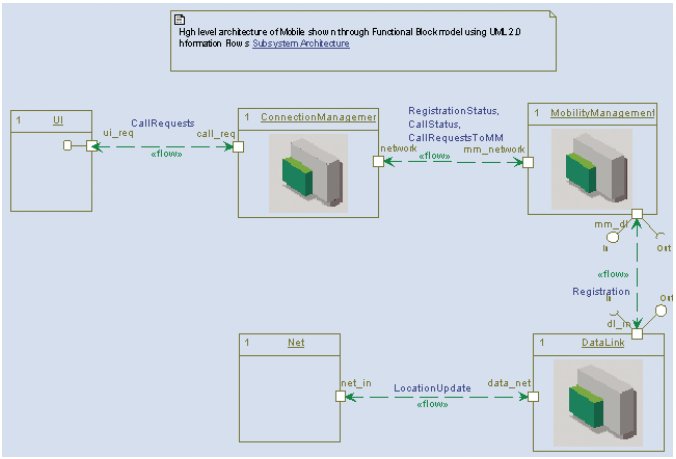
Telelogic Modeler brings modeling into the development process while lowering risk and cost. Organizations' domain-specific language requirements are met through the extension of the environment with custom profiles and add-ins. Critical design data and documentation is automatically generated.

Based on proven technology and standards, Modeler ensures that developed intellectual property can be leveraged in the future. Because Modeler is compatible with Telelogic's robust Rhapsody and Tau environments, designs can be migrated to these environments when users or organizations decide to automate their development process to include advanced MDD capabilities like requirements capture, model-based testing, and automatic code generation.



UML Composite Structure diagram depicting internal architecture



UML Object diagram depicting high-level architecture

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.

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