HCL

CREATING COMPLEX, EVENT-DRIVEN AND **REAL-TIME APPLICATIONS**

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HCL RTist provides software engineers with feature-rich tooling for designing, analyzing, building, debugging and deploying realtime applications.

Supporting the Unified Modeling Language (UML) and its realtime profile (UML-RT), RTist allows developers to design their applications at a higher abstraction level than code.

CAPABILITIES AND BENEFITS

BUILDS EXECUTABLES YOUR WAY

- Builds applications interactively and from batch builds
- Allows for easy setup of build configurations
- Provides a highly-customizable run-time environment

DESIGNS AT A HIGHER ABSTRACTION LEVEL THAN CODE

- Provides UML Realtime models, statecharts, composite structure and other diagrams
- Utilizes a powerful Code Editor built on an Eclipse CDT
- Realizes thread safety using state machines and message-based communication
- Supports industrial-scale applications

ALLOWS FOR TEAMWIDE COLLABORATION

- Supports Git and other SCM systems
- Features an interactive and intuitive compare/merge of both model and code
- Provides a powerful command-line interface

DEBUGS AT A HIGH-LEVEL (VERIFIES DESIGN AND DETECTS FAILURES)

- Features interactive model debugging
- Allows for trace management and visualization
- Provides run-time structure monitoring and behavior animation
- Offers combined model and code debugging

ANALYZES THE APPLICATION

- Features navigation and search with diagram highlighting
- Supports refactoring of models and code
- Synchronizes code changes back to the model

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