

HCL RTist

The Only Tool You Need to Develop Stateful, Event-Driven and Real-Time Applications

HCL RTist is a development environment for creating complex, event-driven, real-time applications in C++ to provide software engineers with feature-rich tools for designing, analyzing, building, debugging and deploying real-time applications.



Benefits & Value



Designing at a Higher Abstraction Level than Code:

Providing UML real-time models, state-charts, composite structure and other diagrams and utilizing a powerful Code Editor built on an Eclipse CDT.



Building Executables Your Way: Building applications interactively and from batch builds to enable easy setup of build configurations while providing a highly-customizable run-time environment.



Application Analysis features navigation and search with diagram highlighting, supports refactoring of models and code and synchronizes code changes back to the model.



Debugging at a High-level (Verifies Design and Detects Failures):

Providing interactive model debugging and allowing for trace management and visualization. The software also provides run-time structure monitoring and behavior animation, and offers combined model and code debugging.



Teamwide Collaboration with Support from Git and other SCM systems: HCL RTist features an interactive and intuitive compare/merge of both model and code, and provides a powerful command-line interface. It also allows models to be accessed via web browsers and linked to requirements.

Capabilities

- **NodePlus** is a major capability in HCL RTist 11 is NodePlus. With NodePlus you get all the necessary tools for developing Internet of Things (IoT) applications with HCL RTist.
- You can use it for extending your existing RTist applications with features often needed in IoT applications, such as **communication with web servers, emitting MQTT events, accessing databases** etc. Even if such things also can be done directly in the RTist application using C++, it is often significantly easier to do it in a language that is more commonly used for web-related tasks.
- NodePlus lets you develop using Node-RED, which is a popular **low code tool** where graphical flows of interconnected nodes can realize sophisticated functionality without almost writing a single line of code.
- Thousands of pre-made nodes are available for free on the internet, and you can **simply drag-and-drop** them into your application to use them.



About HCL Software

HCL Software, a division of HCL Technologies (HCL) develops, markets, sells, and supports over 30 product families in the areas of Customer Experience, Digital Solutions, DevSecOps, and Security and Automation. HCL Software is the cloud native solution factory for enterprise software and powers millions of apps at more than 20,000 organizations, including over half of the Fortune 1000 and Global 2000 companies. HCL Software's mission is to drive ultimate customer success with its IT investments through relentless product innovation. please visit www.hcltechsw.com