

PragmaDev tool to simulate deployment of connected objects in its latest release.

Paris - France - February 16th, 2015 - *PragmaDev RTDS latest release V4.6* introduces 18 new features making it the most complete model driven development and testing tool dedicated to communicating systems.

Real Time Developer Studio is based on a formal modeling and testing set of technologies allowing simulation, prototyping, verification, full code generation, debug on target, and test generation.

Among the main new features are:

- **Deployment simulator**
Mobile communication, M2M, and the Internet of Things deploys thousands or millions instances of small systems to build up a system of systems. PragmaDev's new Deployment simulator aims at verifying such a topology works correctly. The overall scenario describing the interactions of each instance is defined in a CSV textual file. Graphical traces can be obtained on-line or replayed off-line with the ability to step back and forth.
- **Internal traceability**
The latest release of RTDS can import requirements files. The modeler can keep trace from a requirement to a model and testing will automatically analyze which part of the model it has covered. Therefore the impact analysis is straightforward and it is possible to know which test cases should be run if a requirement is modified. This feature is a must have when dealing with certification.
- **Interrupt simulation**
In order to simulate an interrupt, RTDS simulator can call a procedure in the middle of a transition, modify the values of the variables of the process and return to the transition execution like an interrupt would do.

This new version is a major step towards certification of models and simulation of systems of systems.

About PragmaDev

PragmaDev is a privately held company based in Paris France that provides since 2001 a set of model driven tools dedicated to the development and test of real time and embedded software: *Real Time Developer Studio*. Customers include Airbus, Alcatel-Lucent, Renault, the French Army, Wipro, ST-Microelectronics, Korean Telecom, ESA, Toshiba, and LG Electronics.

About PragmaList

The French national nuclear research center CEA-List and PragmaDev have created in September 2013 a common laboratory called PragmaList. Based on the combination of two efficient tools, Real Time Devel-

oper Studio from PragmaDev and Diversity from CEA-List, PragmaList will ease and secure the design and the development of communicating systems used in telecommunications, transportation, and energy, as well as the automatic generation of validation test cases.

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