PRAGMADEV
modeling and testing tools

Multicore simulation and fast edition in PragmaDev Process V3.1.

Paris - France - October 10th, 2023 - *PragmaDev Process* aims at verifying and optimizing business process models described with BPMN (Business Process Model and Notation). The new version of the tool takes advantages of multicore CPUs and introduces some fast edition features to speed up the edition of models.

Complex organizations or system operations are based on processes that can be modeled graphically. The most popular notation is BPMN. It describes what the different participants in the organisation do and how they interact with each other.

Version 2.0 has introduced a statistical simulator of the process performance and version 3.0 has introduced resource management associated to the processes. Due to the statistical nature of simulation a substantial number of replications is required to have the results to converge. Simulation of large models can therefore be quite heavy. Version 3.1 takes advantage of todays CPU architecture and introduces multicore simulation to deal with large models. No matter how many cores are configured the simulation results will remain the same.

Because of the number of possible symbols in a process, editing can be quite time consuming. V3.1 introduces handles on the symbols to have a quick access to categories and finally the target element to be added to the process. Also the containers such as Participants and Lanes now automatically adjust to the new size of the process when a symbol is added. Last but not least when lanes are added to a participant it will automatically adjust to the container. All these editing features substantially speed up editing of processes.

About PragmaDev

PragmaDev is a privately held company based in Paris France that provides two lines of product: 1) PragmaDev Process is a simple and powerful tool that aims at helping business process modelers to verify and optimize their models. It integrates a BPMN editor, executor, explorer and simulator. 2) PragmaDev Studio is a set of 4 tools to specify and design communicating systems. On the market since 2001 customers include Airbus, Nokia, Renault, the French Army, Wipro, ST-Microelectronics, Korean Telecom, the European Space Agency, Toshiba, and LG Electronics.

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