

PragmaDev Process V3.0 simulator to manage resources.

Paris - France - February 21st, 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 into account the resources necessary to the execution of each activity. Thanks to this new feature the simulation results are more accurate and the resources' usage can be optimized.

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.

Since version 2.0 PragmaDev Process integrates a statistical simulator based on BPSim, a complementary notation to BPMN. Time and cost information is added to any element in the model with a possible statistical variability. Executions are automatically launched with this information in order to evaluate the performance of the process.

Version 3.0 of PragmaDev Process introduces the concept of resources necessary to execute an activity. If the resource is not available, because of its own calendar, or because it is already being used by another activity, execution is put on hold until the resource becomes available. That impacts the overall execution time and cost of the business process.

Each resource can have several roles. An activity can require a resource directly or a resource that can fulfill a specific role. At the end of the simulation resource usage can be analyzed in order to identify bottlenecks or underused resources.

With this new version the BPMN execution engine can be called from the command line in order to be integrated in a larger environment. Finally the automatic exploration interface has been substantially improved.

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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