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Performance analyzer in PragmaDev Process V3.2.

Paris - France - June 6th, 2024 - *PragmaDev Process* aims at verifying and optimizing business process models described with BPMN (Business Process Model and Notation). The new version of the tool allows to automatically explore a business process with a set of scenarios against a set of resources.

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. Version 3.2 allows to automatically simulate a set of scenarios against a set of resources.

When the process lead time does not meet the expected dead line, one of the possible correcting actions is to allocate more resources to the process. But which resources ? How much ? When ? This new feature helps to identify the type of resources, their quantity, and their calendar for a specific scenario.

PragmaDev Process V3.2 is a major step forward to identify and allocate resources to optimize a process.

This new feature has the following steps:

- **Define a set of scenarios**
  Evaluation of the lead time or the cost of a process is done on specific scenarios. A typical variation in a scenario is how many times and how often a process is started. But the possible variations can go much deeper.

- **Define a set of resources**
  A set of resources defines the quantity, the availability and a time factor to perform a specific activity. A typical variation in resources is the available quantity of resources. The more resources are available, the faster the process will go but will cost more.

- **Configure cross execution**
  Select the scenarios and the resources that will be cross-executed, and define composite results with weights.

- **Performance results**
  The process is automatically simulated on the basis of the set of scenarios against the set of resources. A result for each target as well as for the composite target is produced.

The results are presented with a background color that helps to visualize the best resources for each scenario.

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modeling and testing tools

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.

Contact

Emmanuel Gaudin
PragmaDev
Tel: +33 1 42 74 15 38
http://www.pragmadev.com