

PragmaDev Process V1.1 identifies unreachable paths in business processes.

Paris - France - April 15th, 2020 - *PragmaDev Process* aims at verifying business process models described with BPMN (Business Process Model Notation). Thanks to its exploration engine, the new version can automatically identify unreachable paths in the business process.

Complex organizations or system operations are based on processes described in graphical models. The most popular notation is BPMN (Business Process Model Notation). It describes what the different participants in the organisation do and how they interact with each other. These processes must be thoroughly discussed before they are applied in a real situation. Any misunderstanding of the process might lead to a catastrophic situation in operation.

PragmaDev Process includes an editor, an executor, and an explorer. It is the outcome of a 2 years research project financed by the French Army with use cases from Eurocontrol and Airbus Defence & Space. The editor is free of charge without any restrictions and the executor offers free execution of small models.

"The idea of identifying the unreachable paths came from our first user. It turned out we had all the required information internally, it was just a matter of organizing and presenting it. This feature makes our tool set even more unique on the BPMN tools market." says Emmanuel Gaudin, PragmaDev Founder & CEO.

Among the main features are:

- **Coverage viewer**
When executing the model manually or automatically the coverage information can be extracted. Coverage information can be merged in order to make sure all paths have been explored in the model.
- **Unreachable paths**
As a result of a collaboration with ENSTA Bretagne research lab the tool can explore all possible paths of execution automatically. Combined with the coverage information the tool can identify unreachable paths. Once identified, the impossible paths are shown in red in the editor for detailed analysis.
- **Extended property definition**
A property is something that is always true during execution, for example a sequence of events. Properties can be expressed graphically in *PragmaDev Process* with the PSC (Property Sequence Chart). The first version could only support properties based on message exchanges. This new version now supports tasks in the property definition. Once the property is defined it can be verified automatically with OBP (Observer Based Prover) tool from our partner ENSTA Bretagne. The tool will automatically explore all possible scenarios.

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 their models. It integrates a BPMN editor, executor and explorer. 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>