An analysis of BPMN 2.0 as a Business Process Execution Language

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Abstract

The use of process modeling concepts in business scenarios enables designers to specify process requirements in terms of interactions, enacted by human agents. Inter-operation of Business Processes at the human level, rather than the software engine level, can be solved with the standardization of the Business Process Model and Notation (BPMN). BPMN 2.0 is a step forward for the whole business process management community because it introduces not only a standard graphical notation, but also concise execution semantics for process execution, that can be used to enable the real execution of business processes which are modeled using it.

In this paper, we analyze BPMN 2.0 standard with regard to its expressiveness as a Business Process Execution Language and propose an implementation of a native BPMN 2.0 execution engine using Apache ODE’s JACOB framework.