Abstract

Ly, Rinderle and Dadam [13] have worked on process semantic correctness and introduced the concept of semantic contraints (mutual exclusion and dependency) in order to introduce semantic concerns in process modeling. In this paper, we attempt to refine their work by proposing a solution to two kinds of problems generated by semantic constraints as they initially defined it: how to maintain the constraints set when a new task is introduced in a model? How to allow mutual exclusive tasks to coexist in the same process via the desactivation of the cause of the mutual exclusion by a third party. Our solution takes advantage of a context-based business process modeling approach presented in [11].

References


Index Terms

Computer Science  
Information Sciences
Keywords
Business Process  Semantic correctness  Conflict  Dependency