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Research on real time enterprise-oriented Event-Driven Process Chains

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- Contributors
- Bibliography
- Quotations
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Abstract

This article proposes a Event-Driven Probabilistic Process Chains(EPPC) by adding a parameter which can represent execute-time distribution of function to Event-Driven Process Chains(EPC). We define the syntax of EPPC, and discuss the relationship of EPPC and Continous-Time Markov Chains(CTMC). Then this paper analyzes the method of process measurment. At the same time, we discuss the possibility of applying EPPC to real-time enterprise modelling.

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An 'Event-driven process chain' (EPC) is a modeling language you can use to describe business processes and workflows. The ARIS Elements edition supports the modeling of EPCs with its model type 'Event-driven process chain'. With the smart modeling feature ARIS Elements helps you to have an easy start into the world of process modeling. Design the most common EPC constructs such as branches or loops in seconds. The most common EPC constructs such as branches or loops can be designed with Event-driven process chains are used to describe the operational sequence of processes. A blog on process management and process-oriented organizational design. Menu. Skip to content. A The Event-driven Process Chain (EPC) is a type of flowchart and was developed by Prof. Wilhelm-August Scheer at the Universität des Saarlandes in the early 1990s. There are four basic elements of the EPC: Functions consume resources and time. A verb should be used for the name of a function. Logical Connectors: By using the three different logical operations (AND, OR, and XOR), branchings can be inserted between events and functions.