

Service-based Processes

– Design for Business and Technology

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ABSTRACT

Composition of software services is a fundamental part in supporting enterprise business processes. Designed properly, executable processes can be used to closely support business processes by the integration of existing software services. In order to support business processes the design of the executable process must closely follow the business events and activities, as perceived by business actors. However, the design must also consider technical issues such as limitations in existing technology and systems. In this paper we examine how technical system constraints influence the realization of business processes. Based on this examination we present a set of realization types that describes the transformation from a business process into its realization as an executable process. We also propose design criteria that need to be adhered to in order to cater to both business and technical needs.