Abstract

Service oriented architecture is an architectural principle that positions IT services as the primary means through which business services are offered by the organization to its ecosystem. Therefore, SOA offers the prospect of better alignment of Academic and Administrative goals and Information Technology (IT) solutions in Education Organizations. The aim of this paper is to describe SOA in detail with considering all the approaches, concepts and methodologies that surrounds architectural model of SOA. Service based application development, frameworks and other related requirements are discussed in this paper in order to have a complete and accurate figure of SOA and be competent in utilizing service orientation concepts in enterprise application development. Service-Oriented Architecture (SOA) is a method for publishing services hosted by computer systems for the use of other computer
systems. This method can be used to integrate applications and is therefore called Service-Oriented Integration (SOI). Integration brokers are a traditional method of integrating different kind of systems by sending messages from one system to another. This paper gathers requirements for an integration broker in Service-Oriented Architecture and presents framework that can be used to build SOI architecture.

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Index Terms

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