Abstract

The rapid progression of network technology and vibrant market demand constrains enterprises to collaborate and interact with their business partners in a coordinated and
A Novel Approach for Dynamic Service Integration using Business Logic Property Evaluation System

well-organized fashion. The demand also extends to have a secure atmosphere to share and integrate information such as data, service logics, etc. with their partners to achieve their target goals. Integrating service logics from diverse enterprises is not an easy task. It requires developers to understand the business logic entirely and in more important, there should be a system to confine the enterprises to access the shared resources as stated in the Service Level Agreement. There is no standard model to carry out these necessities. The model proposed in this paper integrates the service logics dynamically without breaching SLA. Here Enterprise Service Bus (ESB) is employed to share the resources between the organizations. Source control management system in the model facilitates enterprises to carve up the resources as stated by the SLA. Integration layer integrates the service logics dynamically though the dedicated matching module, Functionality Analyzer and BPEL engine. This allows enterprises to expose and integrate the service logics flexibly and reliably.

Reference

- Lu Liu, Jie Xu, Duncan Russell, KP Lam, Zongyang Luo, Kaigui Wu, Dave Collins “Dependable Dynamic Service Integration on Service-Oriented Peer-to-Peer Networks”, 2009 First International Conference on Advances in P2P Systems.
- Michael zur Muehlen, “Business Process and Business Rule Modeling Languages for Compliance Management: A Representational Analysis”, Twenty-Sixth International Conference


Index Terms

Computer Science  
Web Services

Key words

Service integration  B2B integration  B2B collaboration

Web service

Business Logic Model

Enterprise Service Bus(ESB).