An XML Web Service Application Architecture Based on Microsoft BizTalk Server

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ABSTRACT

Using Microsoft BizTalk Server, We can develop a kind of XML Web Service application architecture, which is robust, stable, asynchronous and transactional. This architecture takes full advantage of protocol standard feature of web service, combined with the message integration and automatic e-business process of the BizTalk, it acts as a long run-time, couple and distributed e-business process, so that it meets the requirement of the application which needs good stabilization, compatibility and fault tolerance. In this paper, firstly we give the detailed introduction on the concept concerned with XML Web Service and some problems existing in XML Web Service application. Then we describe the concept and function of BizTalk architecture, and at last put forward a solution on how to develop the XML Web Service using BizTalk to settle the application problems of XML Web Service.

Keywords: BizTalk, XML Web Service, SOAP, WSDL, UDDI, XLANG, Orchestration.