An Approach to Modeling Web Service QoS and Provision Price

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Abstract

As the exceptional potential of web services for unleashing the full power of web-accessible service content and application-to-application integration in business-critical contexts is becoming increasingly evident, management information is mainly modelled in high-level specifications on top of the basic protocol stack. After reviewing relevant work, we present a simple approach to model certain web service management attributes such as QoS and provision price, and discuss how this information can be accommodated within basic specification standards such as WSDL and exploited within the web service deployment and application life-cycle.