Abstract

Quality of Service (QoS) support in web services plays a great role for the success of web service selection. There exist many web services which has similar functional characteristics. Therefore, the massive growth of web services and also the forked view of services by both the parties (service provider and service consumer) make the task of service selection a complex job. To resolve this issue on divergent view of services, and to select an appropriate services, this paper propose Service discovery and selection model based on QoS Negotiation model that aims to facilitate the service selection process to consumer. QoS Negotiation model is responsible for creating negotiation with the service provider about the services that accept negotiation on its QoS attributes. After the success of negotiation process the service provider update the value of services attribute in the UDDI. The results show that the negotiation model enhances the discovery system performance and usability.
A Web Service Discovery based on QoS Negotiation Approach

- M. A. Serhani, R. . Dssouli. QOS Integration IN VALUE ADDED WEB SERVICES. The Second International Conference on Innovations in Information Technology (IIT&amp;apos;05) 2005.
- Jing Zhao and Sherry X. Sun, &quot;ServNegotiator: A Negotiation Based System for Service Composition&quot;, proceeding of the international multi conference of engineers and computer scientists 2011 vol I, IMCES March 16-8, 2011, HongKong.
- Sandeep Kumar and Nikose. Mastorakis, &quot;Multi-Agent Negotiation based Semantic Web Service Composition Models&quot;, Recent Advances in Software Engineering, Parallel and Distributed System.
- M. Swarnamugi, &quot;Context-Aware Web Service Selection – A Negotiation Model&quot;, proceeding in International.
- M. Adel & Rachida Dssouli &quot;QoS broker based architecture for efficient Web Services&quot; In proceedings IEEE International Conference on Web Services (ICWS&amp;apos;05), 2005.

Index Terms

Computer Science
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