Abstract

Using search engines (e.g. Google), service registries (UDDI), peer-to-peer networks, service portals, and various other sources, Web service interfaces can efficiently be searched. In order to find out relevant Web services, clients have to dedicate extreme amount of time to surf through available service resources and be capable to distinguish between services that share
alike features. Discovering Web services all over diverse environments is becoming a difficult task and elevates a lot of anxieties such as performance, consistency, and sturdiness. This paper deals with ranking and selection of Web services on the basis of Entropy-Based Discretization with the help of using QoS constraints values provided by the client, and classifying them under corresponding service classifier. Using ranking (service classifier), client can easily choose the relevant Web service.

Reference

- Ellis J. Clarke, Bruce A. Barton, “Entropy and MDL Discretization of Continuous Variables for Bayesian Belief Networks”, INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS, 2000.
- Al-Masri, E., and Mahmoud, Q. H., "Discovering the best web service", (poster) 16th
Index Terms

Computer Science  Web Applications

Key words
Web service selection  Quality of service (Qos)
entropy

WSRF (web service relevancy function)
data normalization