Abstract

Information retrieval from web has been a tough task due to an increased amount of contents dynamically day by day. In that current information retrieval results are only based on syntactic description for web service which may not provide an accurate solution for all service requests. On the other hand semantic based information retrieval has been the better option for precise and accurate results for queries. This paper proposes a semantic based hybrid matching approach that comprises different kinds of matching strategies combined together with an aim of flexible and efficient service retrieval in terms of accuracy. Using semantic based web ontology language service (OWL-S) conversion of non semantic description into corresponding semantic description is proposed. We also extend prototype to support save-off pre-processed data. The proposed work showed an attractive result after experiments by considering the functions namely recall and precision.
Information Retrieval based on Semantic Matching Approach in Web Service Discovery


Index Terms

Computer Science

Information Sciences
Keywords
Information Retrieval  Web Service  OWL-S  Semantic  Save Off Pre-processed data