Abstract

The area of Web Service Discovery (WSD) is a primary area of research today. It has root importance for utilizing web services for personal or organizational needs. However the users of web service are yet facing a challenge to find the desired web service due to rapid growth of web services available on internet. There is a need of a strategy to locate web services with
issues covering like performance, flexibility and reliability across multiple heterogeneous registries, which is a challenging task yet. Our proposed framework covers the limitations of current techniques; it actively obtains user required web service by crawling among different repositories. We have used Google Custom Search API for this purpose. The search is both interface based and functional level and there is flexibility to add more links to expand the needs of user request. We have performed some verification and validation checks to confirm the retrieved document is a web service and is currently available.

Reference

- Eyhab Al-Masri and Qusay H. Mahmoud, “WSCE: A Crawler Engine for Large-Scale Discovery of Web Services” (ICWS 2007)
- Karastoyanova and A. Buchmann, "Components, Middleware and Web Services,"
Technische Universität Darmstadt, 2003
- Liang-Jie Zhang, Qun Zhou, Tian Chao “A Dynamic Services Discovery Framework for Traversing Web Services Representation Chain”, Proceedings of the IEEE International Conference on Web Services
- Holger Lausen and Thomas Haselwanter “Finding Web Services”.
Service Crawling using Google Custom Search API

Index Terms

Computer Science
Information Retrieval

Key words

Web Service
Discovery
Interface

Functional

Google API