Scope Database Link: https://sdbindex.com/documents/00000087/00000-65964.pdf
Article Link: https://iaeme.com/MasterAdmin/Journal_uploads/IJRCAIT/VOLUME_1_ISSUE_2/IJRCAIT_01_02_022.pdf

Manuscript ID : 00000-65964

Source ID : 00000087

International Journal of Research in Computer Applications & Information Technology

Volume 1, Issue 2, October-December 2013, Pages 164-170, Page Count - 7

Scope Database Indexed
www.sdbindex.com

Fuzzy Based Selection of Web Services in Open Source Environment

N. Hema Priya [1] A.M. Shobana Priya [2] S. Chandramathi [3]

[1] Assistant Professor, PSG College of Technology, Coimbatore, India.
[2] Post Graduate Student, PSG College of Technology, Coimbatore, India.
[3] Professor and Dean, Hindusthan College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

Abstract
Web Services are emerging technologies which satisfy users` requests on Web. Selecting appropriate services to suite the needs is a huge task. There are a huge number of service providers who offer same type of service, with differences in functional and non functional qualities. Also composition of services becomes important. So the consumers get confused in selecting apt services, which leads to the necessity of an automated service selection mechanism based on QoS metrics. And there will be fuzziness in the selection and composition based on QoS parameters. We take these constraints into account and implement a rule based algorithm for selection with fuzziness. The open source environment is preferred for a number of reasons. The simulation results show that this setup works well in Service oriented environments.

Author Keywords
Web Services, Selection and composition, QoS, Fuzziness.

ISSN Print: 2348-0009
ISSN Online: 2347-5099
Source Type: Journals
Document Type: Journal Article
Publication Language: English
DOI:
Abbreviated Journal Title: IJRCAIT
Access Type: Open Access
Publisher Name: IAEME Publication
Resource Licence: CC BY-NC
Major Subject: Physical Sciences
Subject Area classification: Computer Science
Subject area: Computer Networks and Communications
Source: SCOPEDATABASE

Reference

References (14)

1. Eyhab al-Masri, Qusay H.Mahmoud
QoS based Discovery and Ranking of Web Services

(2007) 16th International Conference on Computer Communications and Networks,

2. Zhongnan Shen, Jianwen Su
Web Service Discovery Based on Behavior Signatures

(2005) IEEE International Conference on Services Computing, Volume 1,

3. D.Palanikkumar
   An Algorithmic Evaluation of Optimal Service Selection using BCO

   (2012) European Journal of Scientific Research, Volume 68, Issue 4,

4. Shuping Ran
   AModel for Web Services Discovery With QoS

   (2003) ACM SIGecom Exchanges, Volume 4, Issue 1,

5. Kirti Tyagi, Arun Sharma
   Reliability of Component Based Systems – A Critical Survey

   (2012) WSEAS Transactions, Volume 2, Issue 11,

6. Luigi Coppolino; Luigi Romano; Nicola Mazzocca; Sergio Salvi
   Web Services Workflow Reliability Estimation through Reliability Patterns

   (2007) Third International Conference on Security and Privacy in Communications Networks and the Workshops,

7. Vuong Xuan TRAN; Hidekazu TSUJI
   qos based Ranking for Web Service: Fuzzy Approaches

   (2008) Proceedings of 4th International conferences on Next Generation Web Services Practices, Page No 77-82,

8. Mahdi Bakhshi Seyyed Mohsen Hashemi
   User-centric optimization for constraint Web service composition using a fuzzyguided Genetic algorithm system

   (2012) International Journal on Web Service Computing, Volume 3, Issue 3,

9. Chenying Mao
   Control Flow Complexity Metrics for Petri Net based Web Service Composition

   (2010) Journal of Software, Volume 5, Issue 11,

10. S.Susila, S.Vadivel
    Agent based discovery of web service to enhance the quality of web service selection

    (2011) International Journal of Computer Science and Network Security, Volume 11, Issue 2,

11. Rajesh Sumra, Arulazi D
    Quality of Service for Web Services-Demystification, Limitations and Best Practices

    (2003) IEEE Standard Computer Dictionary: A Compilation of IEEE Standard Computer Glossaries,

12. I.Sora, D.Todinca & C.Avram
    Translating user preferences into fuzzy rules for the automatic selection of services

    (2009) 5th International Symposium on Applied Computational Intelligence and Informatics,

13. Earl Cox
    The Fuzzy Systems - Handbook A Practitioner`s Guide to Building, Using, and Maintaining Fuzzy Systems

    (1994)

Scope Database Link: https://sdbindex.com/documents/00000087/00000-65964.pdf
Article Link: https://iaeme.com/MasterAdmin/Journal_uploads/IJRCAIT/VOLUME_1_ISSUE_2/IJRCAIT_01_02_022.pdf

14. K. T. Atanassov
Intuitionistic fuzzy sets

(1986) Fuzzy Sets and Systems, Volume 20, Page No 87-96,

About Scope Database
What is Scope Database
Content Coverage Guide
Scope Database Blog
Content Coverage API
Scope Database App

Customer Service
Help
Scope Database Key Persons
Contact us

© Copyright 2021 Scope Database, All rights reserved.