

A Survey Paper on Novel Approach to Improve Quality of Web Service Discovery

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Abstract:- Web services have vital role on the Web for supporting the distributed service-based economy on a global scale. There are number of web services are available today but they face several problems like isolation of services and lack of social relationship among related services has been known as reason for poor uptake. To overcome such kind of issues and provide quality of web service we propose the isolated services into the global social service network to improve the services scalability on the global scale. We introduce linked social service-specific principles based on linked data principles for publishing a services on the open Web as linked social services. Then, we consider a new framework for constructing the global social service network based on linked social service-specific principles based on complex network theories. Further an approach is proposed to enable the exploitation of a global social service network, providing Linked Social Services as a Service.

Keywords:: Global social service network, linked data principles, linked social service, link-as-you-go

I. INTRODUCTION

Web services have tremendous impact on the Web, as a strong solution for supporting a distributed service-based economy on a global scale. But despite outstanding progress, uptake on the Web has been significantly less than initially anticipated. The number of web services available on the Web is far less than expected and that to isolated one. On the other hand most services published on the web are not even used. This is because the following reasons. First up all the approaches based on current service descriptions like WSDL, Web APIs or ontology web language for services that only considers the isolated service island. That is there is no links to related services and unfortunately that hampers the service discovery and composition.

Now a days services that published in UDDI or current service description approaches know only about themselves but not with the peers that they would like to work with.

To minimise such drawbacks of the existing approaches, we need to potential web discovery methodology. So in this paper we propose innovative methodology from service island to global social service network. In this services are interlinked to related services. Moreover to connect isolated services proposed the linked social service and that proposed to connect global social service network with social link based on linked social service specific principles. Finally an effective service discovery approach called link as you go has been proposed.

II. BACKGROUND AND RELATED WORK

- 1) A Paper on "Comparative Study of Mechanisms for Web Service Discovery based on the Centralized Approach Focusing on UDDI"

AUTHERS : Netra Patil, Dr. Arpita Gopal

The work that is discovery mechanism tries to get the resulting mechanism not only applicable to web services, but also web-based or other software based components in general. This might require introducing some additional specifications about the platform, the system requirements etc. Many more approaches have been proposed using different view-points like the centralized approach, UDDI based mechanisms are very important. Web service discovery mechanisms are more important than the web searching, because they facilitate the need for the collaboration among business applications and consumers over widely accepted web standards and in general use.

- 2) A Paper on "Distributed Web Service Discovery Architecture"

AUTHERS : Brahmananda Sapkota, Dumitru Roman, Dieter Fensel

In this paper presented a discovery architecture that is designed to support distributed, scalable, reliable and address heterogeneity problems coming from resource limited devices such as PDA, mobile phone etc. But shared space is centralized one.

3) A Paper on “Why Web Services Need Social Networks”

AUTHERS : Z. Maamar, H. Hacid, and M.N. Huhns

Web services have progressed tremendously from their inception for addressing business problems to their subsequent democratization to their anticipated socialization. Social networks, with their underlying principles and metrics, can offer innovative solutions to some of the issues Web services face today. The growing number of initiatives reflecting the blend of social computing with service-oriented computing is certainly a positive impact of this area is gaining importance. In this paper, we achieved the web service discovery ,social networking has been achieved but suffers from isolated service island and lack of interaction among entities.

4) A Paper on “Improving efficiency of service discovery using the Linked data-based service publications”

AUTHERS : Wuhui Chen & Incheon Paik

Proposed the methodology to implement an innovation from isolated service platform to linked social service in order to reduce the threshold for both service providers and consumers. As well described the light weight ontologies using RDF.Linked the related services on the global social service network..

III. EXISTINGSYSTEM

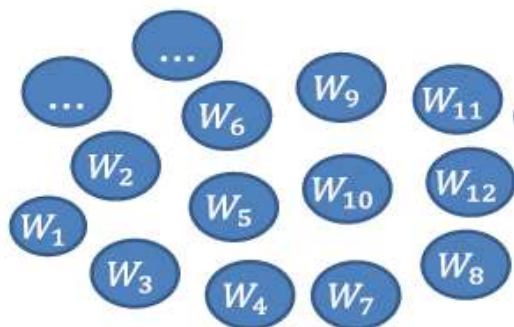


Fig.1 Existing System Architecture

Basically existing system consist of web services which are published on the web which treat services as isolated service island as shown in above figure.Such service island creates several challenging problems like a lack of social interaction between available services due to the separation of services and failure to assume social influence.

There are number of services are published everyday on the open web but most of the services are not used and only few of the services on the web has been discovered ,composed and invoked.Such services are WSDL ,UDDI etc.

IV. PROBLEM STATEMENT

To develop the services scalability for enhancing the quality of web service discovery, the global social service network is constructed considering not only the services own functional and non functional details but also the services past social interaction and popularity, to support a network model having properties that reflect social reality

V. PROPOSED SYSTEM and IMPLEMENTATION

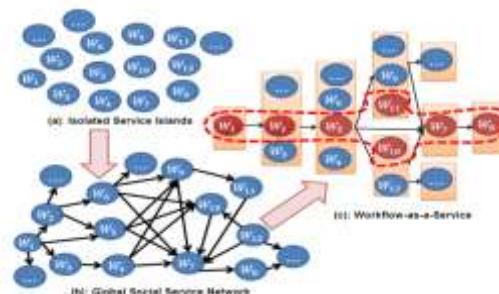


Fig :Quality Driven service composition based on global social service network

There are risks inherent in online social networking, there are also many potential benefits. Social networking can provide opportunities for new relationships as well as strengthening existing relationships.

Our approach is to develop GSSN to conduct the social influence aware service recommendations platform .In global social service network services are interconnected to related services from different sources around the web .To connect isolated services ,linked social service is proposed. That to connect service island into global social service network with social link by following linked social service specific principles.Finally potential service discovery approach called link as you go has been proposed.

We will be using the JSP/JSF and servlets for designing purpose.And using the MYSQL for storing data.We will be following technology for developing the application:

- 1.Operating System : Windows XP/7
- 2.Coding Platform : Java
- 3.IDE : Eclipse
- 4.Database : MySql

VI. CONCLUSION

Here, to improve the quality of service discovery, given a methodology to drive an innovation from isolated service islands to a linked social service. Thus, the services can link to and be linked by related services on the Web into a global social service network, enabling discovery from service to

service. Success rate is not only due to the service discovery but also due to the linked social service as service..

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