Survey on Web Service Discovery and Availability in Mobile Environments and Future Trends in Mobile Web Services

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Abstract

The advancement in technology related to mobile devices has become a very important platform to share mobile information among millions of users across the globe. Also the mobile devices are easily available and accessible among the people. Recently, the mobile devices have been powered by faster and multicore processors, more available memory and sophisticated user display. People prefer smart phones rather than carrying laptops or desktops because of their small size, light weight and anywhere anytime information provider. Many users need to access the services on these mobile phones connecting through the web. Just like centralized service providers there is a great need of providing service through mobile phones. In most scenarios, personal smart phones also provide web services. These services are referred as mobile web services since the devices are in mobility. In this paper, a review on the availability and discovery of web services in resource constrained mobile specific environments and the future trends have been discussed.

References

Index Terms

Computer Science

Information Sciences

Keywords

SOAP, UDDI, WSDL, XMPP, OWL-S, SAWSDL, WSMO, REST