Abstract

As Web services have become the grand vision these days, more and more people are seeking out the practicalities of implementing and using them for business benefit. Thus Web services make application functionality available over the Internet in a standardized, programmatic way. QoS support for Web service has become a widely researched area and has shown to be an effective mechanism in Web services' discovery particularly in differentiating between services that share similar functionalities and finally by evaluating QoS and providing interface for selecting the web service. In this paper, we are providing a sophisticated architecture for quality driven web service evaluation. Agents are used to evaluate the QWS parameters. This work also discussed about the quality attributes with organized set of design related questions which helps an evaluator to analyze the ability of the architecture to meet quality requirements, and provides a brief sample evaluation. ATAM method of software
architecture evaluation is used to evaluate the proposed model. The assessment justifies the proposal in terms of the performance attributes such as reliability, availability, modifiability, security and interoperability etc.

Reference

- Henry Song and Doreen Cheng, “Web Service Discovery Using General Purpose Search
Engines” IEEE International Conference on Web Services, ICWS 2007.

Index Terms

Computer Science
Information Science

Key words

Web services
QWS parameters
agents
software architecture

ATAM