A Development-Oriented Process for Building Web Services Ontology using OWL-S Language: Application in Medical Web Services

Abstract

Semantic Web Services are considered to be the next step in the evolution of Web Services. In addition to Web Services, Semantic Web Services allows software agents to discover, select, call, compose, invoke, and execute automatically a Web services without the intervention of human beings. Specifically, there exists little support in terms of methodologies for designing a
semantic web services, and the Web service ontology development is a very complex, creative process, and it is comparable with software engineering in complexity. In this paper, we propose a development-oriented process for building web service ontology using the OWL-S language. This process is explained by relating it to a medical web services.

**Reference**


**Index Terms**

Computer Science    Semantic Web
Key words
Semantic Web service
Ontology engineering
OWL-S
Development Methodology