Abstract

Web services ontologies formally represent the knowledge and define helps in information processing with the help of concepts, relations, axioms etc defined in them. This paper outlines various services interfaces in services systems with intent to describe them ontologically. We identify two types of services interfaces in the system discussed in this paper and propose
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semantic-based model for the ontologies and services identified in the system differently for both the kinds of interfaces. As we delve deeper in the interfaces, we also identify that we need a state-of-the-art access control framework for both the interfaces and present a brief discussion on currently available approaches for the same. We aim to describe the system completely using WSML, so that we can look on various future aspects of the research problem like formal specification, verification, and development.

Reference

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3.0, Committee Specification 01.

Index Terms

Computer Science                      Semantic Web

Key words
SWS     WSMO     WSML     Web Services