Abstract

The WWW (World Wide Web) containing volumes of web documents developed in HTML and other markup languages does provide us feature of browsing through interlinked documents and exploring the entire WWW. However the entire WWW is appropriate for human consumption, but the other associated features need the WEB to be made Semantic where the web documents are interpreted by the machines and thus minimizing the need for human intervention. Addressing the above need Tim Berners-Lee and W3C consortium has suggested a layered architecture. This paper proposes to critically evaluate the functional aspects of the Semantic Web Layered cake and suggests inclusion of an interface layer to interchange data in an interoperable format amongst the layers of the Semantic Layered cake.
Interoperability between Semantic Web Layers: A Communicating Agent Approach

- URL:http://www.w3schools.com/xml/default.asp
- URL:http://www.w3.org/DesignIssues?semantic.html for layer definition
- Ontology Definition Metamodel – OMG adopted Specification.ptc/06-10-11 dated October 2006

Index Terms

Computer Science
Semantic Web

Key words
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