Comparative Study on Semantic Search Engines

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Abstract

Current World Wide Web also recognized as Web 2.0 is an immense library of interlinked documents that are transferred by computers and presented to people. Search engine is considered the most important tool to discover any information from WWW. Inspite of having lots of development and novel research in current search engines techniques, they are still syntactic in nature and display search results on the basis of keyword matching without understanding the meaning of query, resulting in the production of list of WebPages containing a large number of irrelevant documents as an output. Semantic Web (Web 3.0), the next version of World Wide Web is being developed with the aim to reduce the problem faced in Web 2.0 by representing data in structured form and to discover such data from Semantic Web, Semantic Search Engines (SSE) are being developed in many domains. This paper provides a survey on some of the prevalent SSEs focusing on their architecture; and presents a comparative study on the basis of technique they follow for crawling, reasoning, indexing, ranking etc.
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