Comparative Study of Semantic Search Techniques using RDF

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Abstract

In the sea of information available to us today, the prevalent searching techniques using keywords and ranking algorithms fall short on many aspects. In such a scenario, the emergence of semantic searching techniques is attempting to fill this void. It is required by Semantic searching techniques to understand the intent of users and the meaning of the query entered using Natural Language. The query is semantically broken down and stored in the Resource Description Framework (RDF) format. Such a structured format is more useful for implementing the search. In this paper, a comparison of various searching techniques which make use of RDF is done, based on certain parameters. The main intention is to identify the searching techniques which will be best suited for different purposes.

References

2. Debajyoti Mukhopadhyay, Rituparna Kumar, Sourav R. Majumdar, Subhobroto Sinha: “A New Semantic Web Services to Translate HTML Pages to RDF.” 10th International Conference on Information Technology.


7. Xiang Lian, Lei Chen and Zi Huang. “Keyword Search over Probabilistic RDF Graphs.” IEEE Transactions on Knowledge and Data Engineering, VOL. 27, NO. 5, MAY 2015


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Keywords

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