Towards a Vocabulary Terms Discovery Assistant

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ABSTRACT

The Linked Open Vocabularies (LOV) curated directory list of vocabularies has changed radically the way that engineers are assisted to explore the vocabulary space by searching for terms and vocabularies using the provided keyword based search. Running a survey regarding the decision of the vocabulary terms that can be used to annotate a specific webpage, we realised the gap between the vocabulary creators side and the vocabulary users. In this direction, the presented framework, namely the LOVR framework, aims to facilitate the vocabulary terms discovery by providing a Web service with a set of endpoints that can be invoked to get a list of recommended terms for a given webpage. Within this work, we present the framework architecture and the fundamental parts of the prototype that implements the methodology behind the LOVR framework, which leverages the LOV search. Furthermore, the various endpoints of the Web service are described by explaining their usage scenarios.