Abstract

A personal dataspace includes all personal data of a user. This personal data is generally heterogeneous, rough and tumble in nature which is distributed over various data sources. So, a single system (Personal Data Space Management System) is needed to manage this data. In this paper, we have presented a prototype of Personal Dataspace Management System which is built on the vision presented in [1,2,3]. It represents data from different sources uniformly into triples that are similar to RDF. This paper presents the architecture of PDSMS, a MongoDB to SPARQL conversion tool and performance of MongoDB as a persistent storage.
- "http://jena.apache.org/
- "http://en.wikipedia.org/wiki/Triplestore"
- Steve Francia, "MongoDB and PHP," O'Reilly.
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Index Terms

Computer Science Dbms

Keywords

Dataspace Personal Dataspace Management System Triple Model Triple Store Mongodb