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 Dataspase 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/
- A. Muys, Building an Enterprise Scale Database for RDF Data.

**Index Terms**

Computer Science  
Dbms

**Keywords**

Dataspace  
Personal Dataspace Management System  
Triple Model  
Triple Store  
Mongodb