Abstract

One of the challenges of the semantic Web is to integrate the information already available on the standard Web, usually stored in relational databases. We propose in this paper a transformation process from existing relational database schema defined by a set of tables into OWL ontologies using XSLT. This process allows us to mapping some constraints on columns such as primary key, foreign key, unique, not null. Our approach start by translate the database schema into a XML document validate by a suitable XML schema. Since our process is based on XSLT stylesheets, its transformation rules can be modified in a very flexible manner in order to consider different mapping strategies and requirements.

References

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