Abstract

Ontology matching is a key interoperability enabler for the Semantic Web, as well as a useful tactic in some classical data integration tasks. It takes the ontologies as input and determines as output an alignment, that is, a set of correspondences between the semantically related entities of those ontologies. These correspondences can be used for various tasks, such as ontology merging and data translation. Thus, matching ontologies enables the knowledge and data expressed in the matched ontologies to inter-operate. In this paper we present an overview of recently proposed matching techniques which is participated in OAEI and Ontology matching tools which achieve high match efficiency with respect to conference track of OAEI 2010. In particular we discuss lessons learned on strong points and remaining weaknesses of various matching techniques is summarized.
A Study of Different Ontology Matching System

cquisition 5920:199-220
- He Tan and Patrick Lambrix by A method for recommending ontology alignment strategies
- The Ontology Alignment Source http://alignapi.gforge.inria.fr/
- ALCOMO Software http://web.informatik.uni-mannheim.de/alcomo/
- NetBeans IDE http://netbeans.org/
- Alignment, Reference alignments, ontology
- Yves R. Jean-Mary, E. Patrick Shironoshita, Mansur R. Kabuka Ontology matching with semantic verification
- Jakob Huber, Timo Szyler, Jan Noessner, and Christian Meilicke CODI: Combinatorial Optimization for Data Integration – Results for OAEI 2011
- Jérôme David-AROMA results for OAEI 2011

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