Abstract

In cross enterprise collaboration, business domains need to interoperate and collaborate to each other for receiving profits. To create an understanding of enterprises and the ways they do business, a starting point could be business models. The goal of business modeling is to create semantically representations of business domain concepts like transactions, processes, value chains. Business domain ontologies can be used as a reference model for concrete business models. Business domain ontology describes concepts, concept relations and axioms that are potentially relevant for business models. The three main business modeling ontologies are REA, the e3-value ontology and the Business Model Ontology (BMO). In this paper, a mapping is proposed between these three well known business domain ontologies (REA, e3-value and BMO). The proposed mapping helps business domains with different ontologies in a cross enterprise collaboration, to be understandable and interoperable, but it does not force each business domain to have a common vocabulary and a unique ontology in order to be interoperable to each other.
- F. Giunchiglia, P. Shvaiko, "Semantic matching," The Knowledge

**Index Terms**

Computer Science  
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**Keywords**

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Ontology  
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Business Domain Ontologies

Mapping Ontology

Evidence Node