The Semantic Enterprise - bringing Meaning to Business Processes

Abstract:
This paper presents an answer on the demand for more interoperability of data, systems and thus organisations. PROCESSUS as a particular project of the German national funded high-tech-initiative THESEUS has the objective to create an IT-based corporate system that will allow companies to compare products, solutions and details of business associates, as well as locating the complex and sometimes obscure specialist information needed by employees whose work involves high-density knowledge bases. The research teams are also aiming to develop a basic semantic platform that will integrate a company's internal planning of resources with management of the digital content of agile business processes. One specific scenario taken from the domain of mechanical engineering will demonstrate the requirements of intra- and interenterprize communication and the envisaged solution.

Stichworte:
Business processes; semantic platform; SOA; Internet of Services; agile workflows; ontologies; design methodology

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