USING PROCESS ONTOLOGY TO REPRESENT LIBRARY ACTIVITIES

Dragos VESPAN

Academy of Economic Studies, Bucharest, Romania
E-mail: dragos.vespan@ie.ase.ro

Abstract: This paper describes the concepts used to capture and organize web services, as simple processes or combination of processes, by using ontologies. The meta-model of process ontology and the process model specialization are described and applied on services provided by AES library.

Keywords: process ontology, library activities, web services, Semantic Web, OWL

Bibliography:
1. Ankolekar, A., Burstein, M., Hobbs, J., Lassila, O. M., McDermott, D., McIlraith, S., et al. (2002). DAML-S: Web service description for the Semantic Web. 1st International Semantic Web Conference—ISWC 2002 (pp. 348-363). Heidelberg: Springer Berlin. Biblioteca ASE. (2010, 08). Retrieved from http://biblioteca.ase.ro.
2. Klein, M., & Bernstein, A. (2001). Searching for services on the semantic web using process ontologies. International Semantic Web Working Symposium (SWWS), (pp. 431-446). Palo Alto.
3. Murat Şensoy, P. Y. (2008). A cooperation-based approach for evolution of service ontologies. International Conference on Autonomous Agents, (pp. 837-844). Estoril.
4. Zhuge, H. (2002). A process matching approach for flexible workflow process reuse. Information and Software Technology, 44 (8), 445-450.