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SEMANTIC WEB SERVICE TO SUPPORT MODELING IN MAPPING FROM WEB SERVICE DESCRIPTION LANGUAGE

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ABSTRACT

Semantic Web Service represents the most recent and revolutionary technology developed for machine to machine interaction on the web 3.0. As for the accepted web services, the difficulty of discovering and choosing the most apt World Wide Web service comprises a challenge for SWSs. A mapping algorithm that helps to facilitate the integration of the current conventional web services into the new environment of the Semantic Web. The algorithm aims to redefine the conventional web services using semantic mark-ups. One of the most important components of the tool is the ontology store, which stores the ontology used by the system to annotate the web service. Search mechanism categories with linguistic search, structural refining, and statistical refining. In use many WSDL files as a case study to monitor the many WSDL files as a case study to monitor the mapping process specially the automatic phase and to evaluate its results. An unchecked check of the suggested techniques is described, showing the influence of the suggested algorithm in declining the time and the effort of the mapping process. Furthermore, the experimental outcomes pledge that the suggested algorithm will have a positive influence on the discovery method as a whole.

KEYWORDS: Semantic Web Service, Ontology, Mapping, WSDL, OWLS, Ontology Based Standardization, Business Process