

Demonstration Proposal

Real-World Application of Ontologies for Classifying Information

7th International Protégé Conference

Convera Technologies Corporation

Convera is the developer of the RetrievalWare product platform for search and categorization of unstructured content, including text, video, audio and images. Convera's core text search capability is built around the use of semantic networks modeled on Princeton WordNet to enhance search recall and relevancy. The Categorization and Dynamic Classification component of RetrievalWare uses taxonomy-based categorization to tag documents and organize them into persistent and ad hoc "classifications." Convera's Cartridge and Classification Workbench is a tool used by taxonomists, ontologists and other information professionals to create and deploy semantic network and taxonomy "cartridges."

Convera will demonstrate use of an OWL ontology created in Protégé to classify unstructured text documents. The flow of the demonstration will be:

1. View and modify an ontology in Protégé.
2. Export the ontology in OWL format.
3. Import the ontology into Convera's Taxonomy Workbench tool.
4. Automatically generate a Convera taxonomy "cartridge" based on the imported ontology.
5. Benchmark the performance of the imported ontology for classifying unstructured content in a particular domain.
6. Demonstrate the effectiveness of the ontology for information discovery, using real-world data and searching scenarios.

Technical Contact: Normand Bouffard / Jean-Marie Lessard

Business and Logistical Contact: Mark Myers