Abstract

Reasoner is a software that is used to derive new facts from the existing ontologies. Some of the popular reasoners developed in the last few years are: Pellet, RACER, FACT++, Snorocket, Hermit, CEL, ELK, SWRL-IQ, TrOWL and others. This survey describes the reasoners that can be used as plug-in for either protégé or NeOn toolkit since these are most widely used ontology development tools. The current study describes the reasoners with their important features such as soundness, completeness, reasoning method, incremental classification etc. Finally this paper presents comparison of the reasoners with respect to their features.

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Index Terms

Computer Science Information Sciences

Keywords

Description Logic Ontology Reasoners Reasoner Attributes Protégé NeOn toolkit