

Abstract

Based on the data storage operations, we often encounter the process of finding information that sometimes does not find results. This condition is caused by a system that still apply syntactic search, where the search process is done by matching the string. As a result, the search results are relevant and less than accurate.

Through the ontology data storage model that is able to understand the information provided by humans, so the system is able to interpret the information context and not merely technical. This excess facilitate interaction and communication between human and computer, so that the results tend to be more relevant and accurate views of precision and recall.

Uschold and King methodology has four main phases as follows : (1) defining the purpose and scope of the ontology, (2) build an ontology with ontology step is gathering knowledge capture, ontology coding construct models of concepts and integrating existing ontologies (reuse), (3) evaluation of the verification and validation, (4) any instructions and documentation phase .

With the application of ontology-based data model with Uschold and King ontology is obtained more relevan and accurate.

Keywords : Operational, Ontology, accurate, relevan.