

Ontology Based Information Retrieval In Semantic Web A Survey

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Ontology Based Information Retrieval In

Research on information retrieval model based on ontology Abstract. An information retrieval system not only occupies an important position in the network information platform,... Introduction. Information retrieval is the process to extract relevant document from large data sets. Along with the... ..

Research on information retrieval model based on ontology ...

In the proposed article a new, ontology-based approach to information retrieval (IR) is presented. The system is based on a domain knowledge representation schema in form of ontology. New ...

Ontology-based Information Retrieval - ResearchGate

We define a general framework for ontology-based information retrieval (IR). In our approach, document and query expansion rely on a base taxonomy that is extracted from a lexical database or a Linked Data set (e.g. WordNet, Wiktionary etc.). Each term from a document or query is modelled as a vector of base concepts from the base taxonomy.

An Ontology-Based Approach to Information Retrieval ...

such as ontologies in the information retrieval process can contribute to the solution of major problems currently found in information retrieval. This utilization of ontologies has a number of challenges.

Ontology-based Information Retrieval - UNC Charlotte

The domesticated plants ontology provides certain semantic help to improve the efficiency of information retrieval for the webpage information. Therefore the semantic relationship of the concept should be provided as much as possible to improve the information service based on ontology.

An Ontology-Based Information Retrieval Model for ...

move from keyword based to concept based information retrieval utilizing ontologies as reference for conceptual definitions. The main aspects in this project are the following: 1.Recognition and mapping of information in documents and queries into the ontologies. 2.Improvement of retrieval process by use of similarity

Information Retrieval System Based On Ontology

ontology-based knowledge representation, or are based on boolean retrieval models, and therefore lack an appropriate ranking model needed for scaling up to massive information sources. In the former case, ontologies provide a shallow representation of the information

An Ontology-Based Information Retrieval Model

Textpresso is already a useful system, and thus serves not only as proof of principle for ontology-

based, full-text information retrieval, but also as motivation for further development of this and related systems to achieve higher precision and hence even greater time savings.

Textpresso: An Ontology-Based Information Retrieval and ...

In this paper, we present an ontology-based information extraction and retrieval system and its application in the soccer domain. In general, we deal with three issues in semantic search, namely, usability, scalability and retrieval performance. We propose a keyword-based semantic retrieval approach. The performance of the system is improved considerably using domain-specific information extraction, inferencing and rules.

An ontology-based retrieval system using semantic indexing ...

Ontology can be used in information retrieval. In software engineering and information science, ontology is a formal naming and meaning of the types, properties, and interrelationships of the elements that truly or in a broad sense exist for a specific domain of discourse.

Information Retrieval Techniques based on Ontology for ...

In computer science and information science, an ontology encompasses a representation, formal naming and definition of the categories, properties and relations between the concepts, data and entities that substantiate one, many or all domains of discourse. More simply, an ontology is a way of showing the properties of a subject area and how they are related, by defining a set of concepts and ...

Ontology (information science) - Wikipedia

MELISA. An ontology-based agent for information retrieval in medicine. Jose María Abasolo, Mario Gómez Institut d'Investigació en Intel·ligència Artificial (IIIA) {abasolo, mario}@iia.csic.es Abstract This paper describes MELISA - MEDical Literature Search Agent - a prototype of an ontology-based information retrieval agent. We have designed a

MELISA. An ontology-based agent for information retrieval ...

The use of ontologies for effective knowledge modelling and information retrieval 1. Introduction. In information management systems, structured query formulation languages are one means of retrieving... 2. Ontologies and knowledge representation. Over the past few years, many ontology development ...

The use of ontologies for effective knowledge modelling ...

document retrieval. In the information retrieval model, an. ontology server is added to tags and indexes the retrieval. sources based on ontology; the query conversion module. implements semantic processing in users' needs and ex-. panses the initial query on its synonym, hypernym, and its. senses.

Research on information retrieval model based on ontology

ImageCLEF [20] can be used for ad-hoc image retrieval tasks via text and/or content-based image retrieval of CLEF from 2006 onwards [21]. To query results from ontology, SPARQL [22, 23] is used as the query language using Jena Fuseki [24], which is a server that stores all RDFs.

A generic framework for ontology-based information ...

of design information retrieval, we have developed ontology-based query processing, where users' requests are inter-preted based on their domain-specific meanings. Our approach contrasts with the traditionally used keyword-based search. An experiment to test the retrieval performance is conducted by using the design documents from a product

Ontology-based design information extraction and retrieval

Abstract: In the proposed article a new, ontology-based approach to information retrieval (IR) is presented. The system is based on a domain knowledge representation schema in form of ontology. New resources registered within the system are linked to concepts from this ontology. In such a way

Ontology-based Information Retrieval

definition of an ontology-based IR model, oriented to the exploitation of domain Knowledge Bases (KBs) to support semantic search capabilities in large document repositories, stressing on the one

hand the use of fully-fledged ontologies in the semantic-based perspective, and on the other the

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