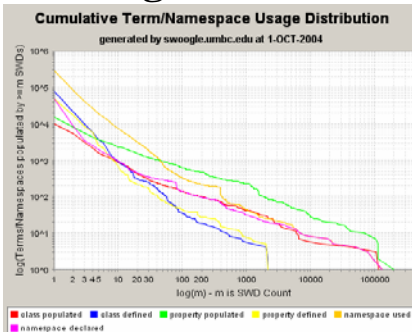


Swoogle is a crawler based search & retrieval system for semantic web documents (SWDs) in RDF and Owl. It discovers SWD, computes their metadata and relations, and stores them in a database and an IR system.

Ontology Dictionary

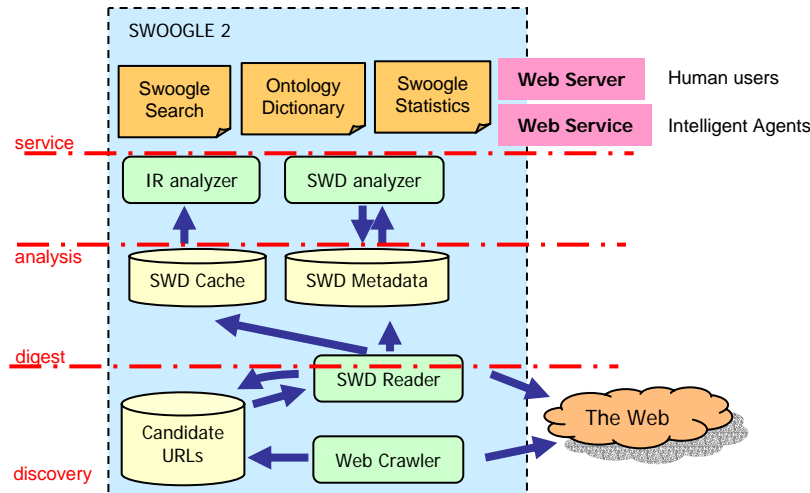


Swoogle Statistics



Swoogle

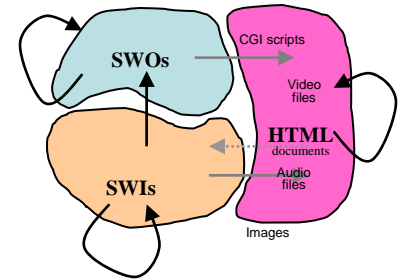
search and metadata for the semantic web



Swoogle uses four kinds of crawlers to discover semantic web documents and several analysis agents to compute metadata and relations among documents and ontologies. Metadata is stored in a relational DBMS. Services are provided to people and agents.

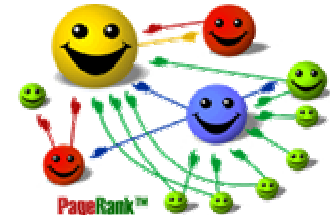
<http://swoogle.umbc.edu/>

Swoogle's database has 230K documents with 37M RDF triples, defining 90K classes, 11K properties and 5.8M instances.



$$\text{SWD} = \text{SWO} + \text{SWI}$$

The web, like Gaul, is divided into three parts: the regular web (e.g. HTML), Semantic Web Ontologies (SWOs), and Semantic Web Instance files (SWIs)



SWD Rank

A SWD's rank is a function of its type (SWO/SWI) and the rank and types of the documents to which it's related.



SWD IR Engine

Swoogle puts documents into a character n-gram based IR engine to compute document similarity and do retrieval from queries



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