

Re: Cypher – Natural Language to RDF/SeRQL for the Semantic Web

Source: <http://sci.tech–archive.net/Archive/sci.lang/2006–08/msg00486.html>

- *From:* "smonroe" <sdmonroe@xxxxxxxxxx>
 - *Date:* 29 Jul 2006 07:27:51 –0700
-

Hi Harlan,

The program requires a description of language phrase patterns, as well as a lexicon (vocabulary) which links the natural language phrases to RDF output. The RDF is always needed, as it serves the the semantic serialization for natural language constructs. The novice NLP developer is needed to encode the grammars and/(or at the least) the words in the lexicon.

–sherman

Harlan Messenger wrote:

smonroe wrote:

Hi All,

I thought our technology might interest the group.

Cypher is one of the first software program available which generates the RDF graph and SeRQL query representations of a natural language input. The Cypher framework provides a set of robust definition languages, which can be used to extend and create grammars and lexicons. The Cypher specifications are designed to allow a novice to quickly and easily build transcoders for processing highly complex sentences and phrases of any natural language, and to cover any vocabulary.

Why would a novice need to do this? If software exists that is that effective at parsing the semantics out of natural language, then the search engines will start using it themselves, applying it directly to the natural–language content on the pages it scans, and there will no longer even be a reason for pages to contain RDF or other metadata.