

QALM: a Benchmark for Question Answering over Linked Merchant Websites Data

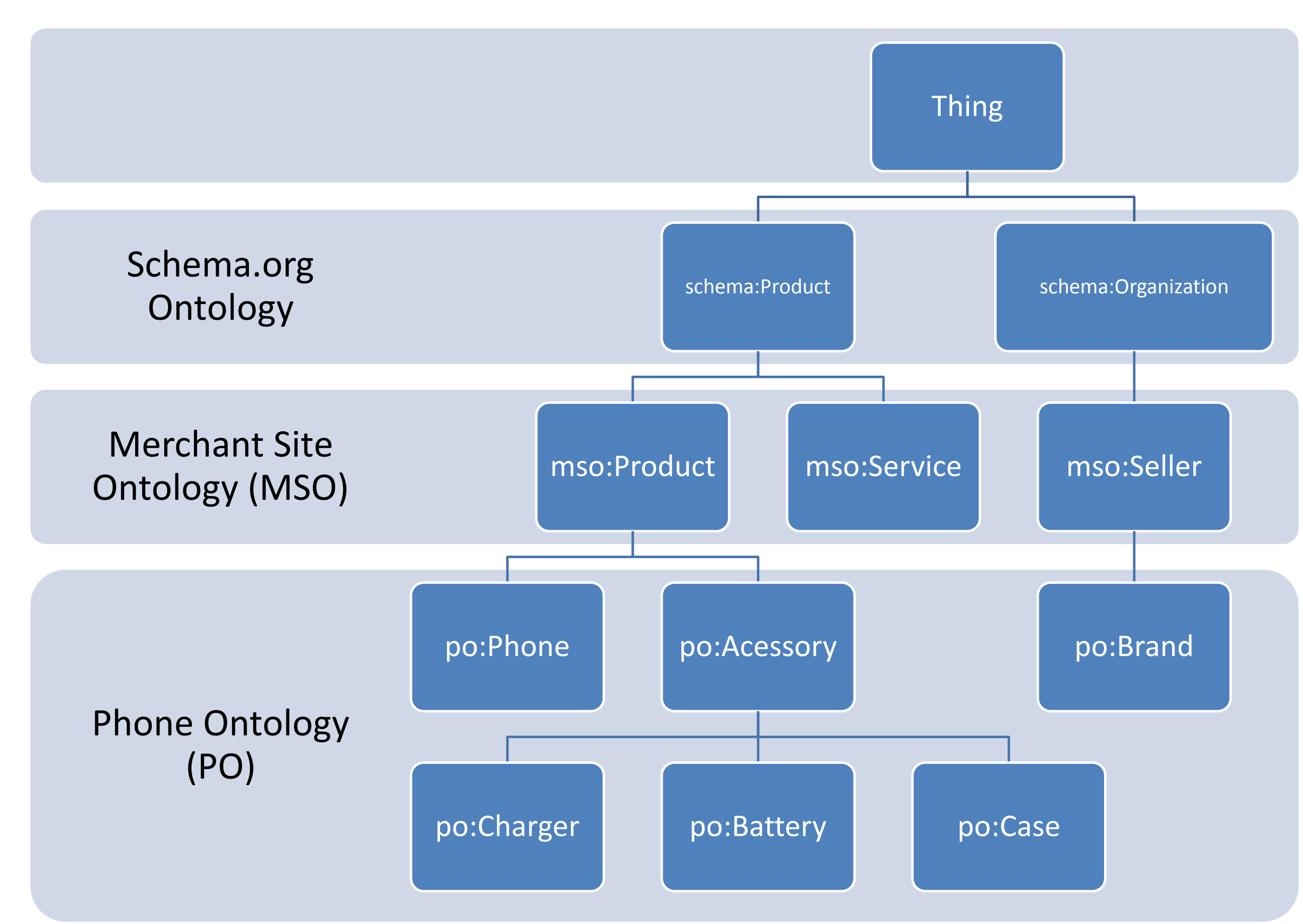
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RDFS Ontology

The Ontology is based on two levels :

1. Merchant Site Ontology (MSO) aligned with Schema.org
2. Smartphones and Accessories Ontology (PO)

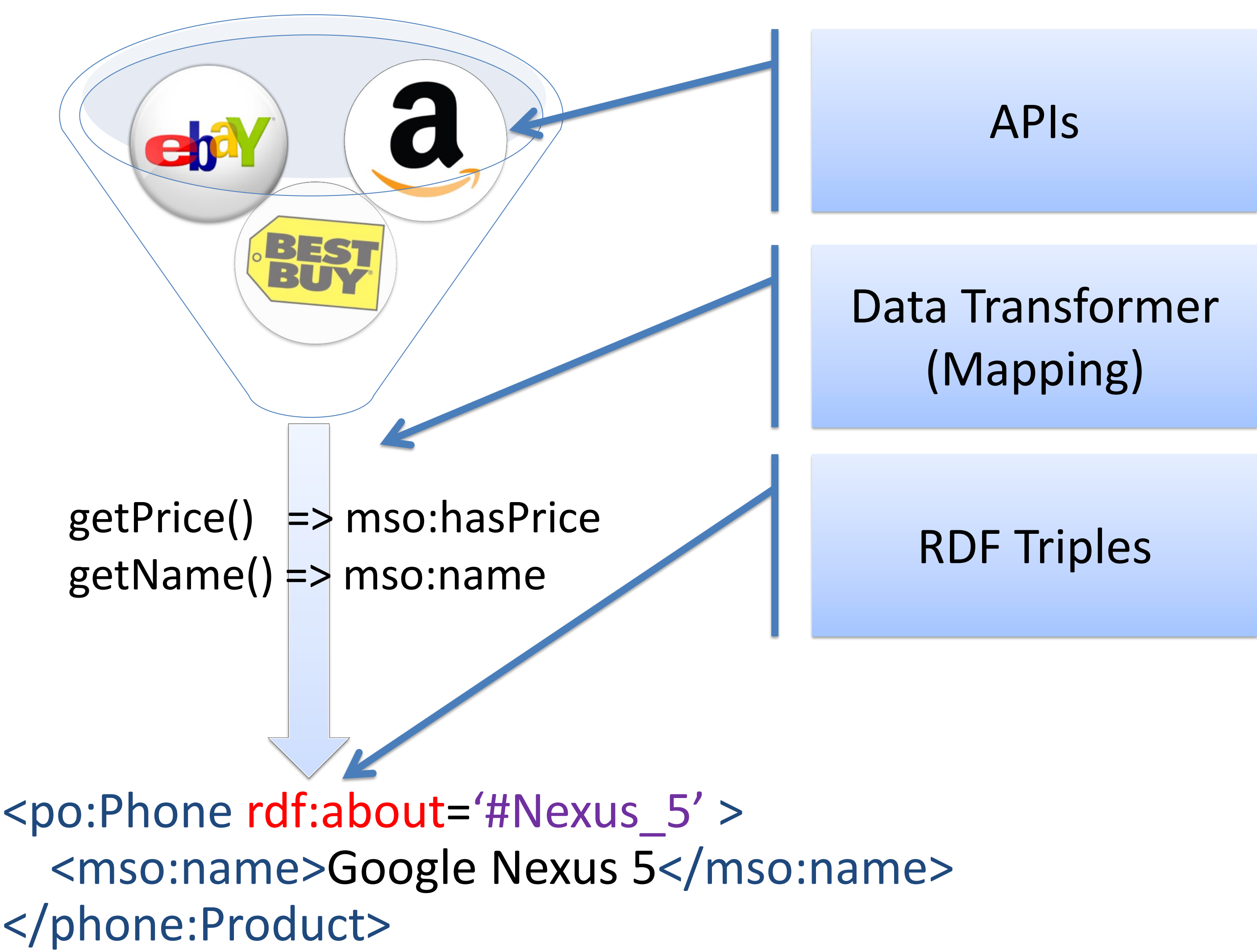
Available at : <http://www.i3s.unice.fr/QALM/ontology/>



RDF Dataset

The dataset is obtained by using e-commerce web site APIs and web services. Raw data are then transformed into RDF triples and stored depending on the Ontology.

Available at : <http://www.i3s.unice.fr/QALM/qalm.rdf>



Question-set

The question-set contains NL questions, SPARQL queries and answers. It's divided into two subsets : **Training Questions** to train the system and **Goldstandard Questions** to evaluate the system.

Available at :
http://www.i3s.unice.fr/QALM/test_questions.xml
http://www.i3s.unice.fr/QALM/training_questions.xml

Example :

```
<question id="5" aggregation="true" answertype="resource" relations="1">
  <string lang="en">
    <![CDATA[What is the oldest phone that is still sold ?]]>
  </string>
  <query>
    <![CDATA[
      prefix mso: <http://i3s.unice.fr/MerchantSiteOntology#>
      prefix phone: <http://i3s.unice.fr/PhoneOntology#>

      select ?p (Min(?date) as ?date)
      where {
        ?p a phone:Phone.
        ?p mso:releaseDate ?date.
      }
    ]]>
  </query>
  <answers>
    <answer>
      <uri>http://www.bestbuy.com/site/verizon-lq-voyager-cell-phone-black/8617794</uri>
      <date>2007-11-18</date>
    </answer>
  </answers>
</question>
```

Benchmark

