Feed-Filter

Nicolas Peters

Willi Tscheschner

Idea

- Aggregation of feeds (->Heterogeneity)

- Generate meta-data from feed entries

- Filtering on these meta-data

- ROME

  - Aggregation of RSS and ATOM feeds

  - Category

- OpenCalais

  - Generates meta-data for a given text

  - City, country, company, person ...

ROME

- Java Library

- Parsing, generating of RSS and Atom feeds

- Abstracts from specific feed implementations (Feed Syndication Model)

- Supports: RSS 0.90, RSS 0.91 Netscape, RSS 0.91 Userland, RSS 0.92, RSS 0.93, RSS 0.94, RSS 1.0, RSS 2.0, Atom 0.3, and Atom 1.0.

https://rome.dev.java.net/

API

- Request: API-key, text, parameter (e.g. response format, request format)

  □ Supports SOAP 1.1, SOAP 1.2, HTTP POST

- Response: meta-data in RDF, Microformats, or simple format

  □ For example: City, Company, Continent, Country, Currency, Holiday, IndustryTerm, Movie, NaturalDisaster, Person, PhoneNumber, Product, SportsEvent, Technology, TVShow, URL

http://www.opencalais.com/

Conclusion and Future Work

Conclusion

- Good results from the OpenCalais API

- But because of the autonomy of the APIs it is very slow

  - OpenCalais restricts the number of requests for non-paying users to 4/sec

Future Work

- Increase the performance (e.g. asynchronous requests)

- Enlarge the filter options and add a free text search panel

DEMO