

Semantic Web

(Semantic) Web Services

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Exercise 1: SOAP vs. RESTful Web Services

Write two kinds of Web Services that allow to search for persons via a keyword.

- 1 SOAP-based Web Service
- 2 RESTful Web Service

Remarks:

- Make use of Apache's CXF framework¹.
- Regarding the RESTful Web Service: The keyword should be transmitted to the service within the HTTP query string (e.g. `http://localhost:8080/xml/people/KEYWORD`). The Web Service should return XML without wrapping it into SOAP. Use the FOAF vocabulary² to model resulting persons.

¹<http://incubator.apache.org/cxf/>

²<http://xmlns.com/foaf/0.1/>

Solution: The solutions can be found here:

1 SOAP-based Web Service:

<http://www.personal-reader.de/semweb08/slides/people-search-soap.zip> (13MB)

2 RESTful Web Service:

<http://www.personal-reader.de/semweb08/slides/people-search-rest.zip> (13MB)

In both zip-files you can find a README.txt document.