

A License Integration Model for Open Data

Summary

Innovative software typically combines many different data sources. To speed up the innovation process, developers need to understand the consequences of combining these data sources. We identified three main issues: licenses, costs, and privacy. This thesis reviews the prior art and develops a model of open data licenses and the consequence of combining different data sources. On an implementation level, the Open-Data-Service (under development at the Professur für Open-Source-Software) is extended with the appropriate meta-data as well as end-user tool that visually displays the consequences of combining different data sources.

Work Results

- Literature review
 - Integration models for: open data licenses, consumption costs, and privacy
 - Possibly meta-object protocols for name space structuring, ODS REST-API
- Research approach
 - Construction of model; implementation using ODS
 - Possible validation approaches for significance of model:
 - Demonstrated internal quality (criteria: orthogonality, non-trivial predictions)
 - Catalog archetypical license combination consequences
 - Demonstration of invalid/incorrect data sources in the wild
- Research results
 - Design and implementation of license integration model
 - Demonstrated validation; comparative evaluation

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