.

Conclusions

Motivated by the need to develop tools that facilitate the deployment of mappings using R2RML, we first introduced correspondence assertions to specify the mapping between a target vocabulary and a base RDB schema. We then proposed an approach to automatically generate R2RML mappings, based on a set of correspondence assertions. The approach uses relational views as a middle layer, which facilitates the R2RML generation process, and improves the maintainability of the mapping.

We introduced correspondence assertions in earlier papers[MAC1]  to investigate XML views. Therefore, it would be natural to adopt the same approach to address RDB-to-RDF mappings. In fact, the latter problem proved to be much simpler than the former, since XML views are fairly complex.

 As for the immediate future, we are extending the D2R Server to process R2RML mappings as a basis for the mapping implementation. The extension supports the mapping generation process described in Section 5.