



R2RML: RDB to RDF Mapping Language

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Editors:

Souripriya Das, Oracle
Seema Sundara, Oracle
Richard Cyganiak, DERI, National University of Ireland, Galway

Please refer to the [errata](#) for this document, which may include some normative corrections.

See also [translations](#).

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Abstract

This document describes R2RML, a language for expressing customized mappings from relational databases to RDF datasets. Such mappings provide the ability to view existing relational data in the RDF data model, expressed in a structure and target vocabulary of the mapping author's choice. R2RML mappings are themselves RDF graphs and written down in Turtle syntax. R2RML enables different types of mapping implementations. Processors could, for example, offer a virtual SPARQL endpoint over the mapped relational data, or generate RDF dumps, or offer a Linked Data interface.

Status of this Document

This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the [W3C technical reports index](#) at <http://www.w3.org/TR/>.

This document has been reviewed by W3C Members, by software developers, and by other W3C groups and interested parties, and is endorsed by the Director as a [W3C Recommendation](#). It is a stable document and may be used as reference material or cited from another document. W3C's role in making the Recommendation is to draw attention to the specification and to promote its widespread deployment. This enhances the functionality and interoperability of the Web.

This document was published by the [RDB2RDF Working Group](#). Comments on this document should be sent to public-rdb2rdf-comments@w3.org, a mailing list with a [public archive](#). The following related documents have been made available:

- A [wiki page](#) with additional information for users and implementers of R2RML,
- a [color-coded diff](#) of all changes since the previous draft,
- the [implementation report](#) used by the director to transition to W3C Recommendation.