W3C Community Group Knowledge Graph Construction

http://w3id.org/kg-construct

Let's start from the beginning…

W3C Workshop on
RDF Access to Relational Databases

RdfRDB Workshop · Program · Workshop Report · Meeting Minutes · Call For Participation · Accepted Papers

25-26 October, 2007 — Cambridge, MA, USA

Hosted by NOVARTIS

W3C

The **mission** of the RDB2RDF Working Group, part of the Semantic Web Activity, is to standardize languages f
Language (R2RML).

RDB2RDF Working Group Charter

Also On This Page W3C RDB2RDF Standards and Notes Inputs Schedule Membership Meeting Records

1. RDB2RDF W3C Standards and Notes

- R2RML: RDB to RDF Mapping Language, W3C Recommendation
- A Direct Mapping of Relational Data to RDF, W3C Recommendation
- R2RML and Direct Mapping Test Cases, W3C Editor's Draft
- Use Cases and Requirements for Mapping Relational Databases to RDF, W3C Working Draft

Current and Upcoming Events

- Weekly teleconferences on Tuesdays 12:00EST (16:00 UTC) An agenda is sent to rdb2rdf-wg 24 hours in advance. The minutes follow within a day or two.
- We will be monitoring comments on

W3C

A Direct Mapping of Relational Data to RDF
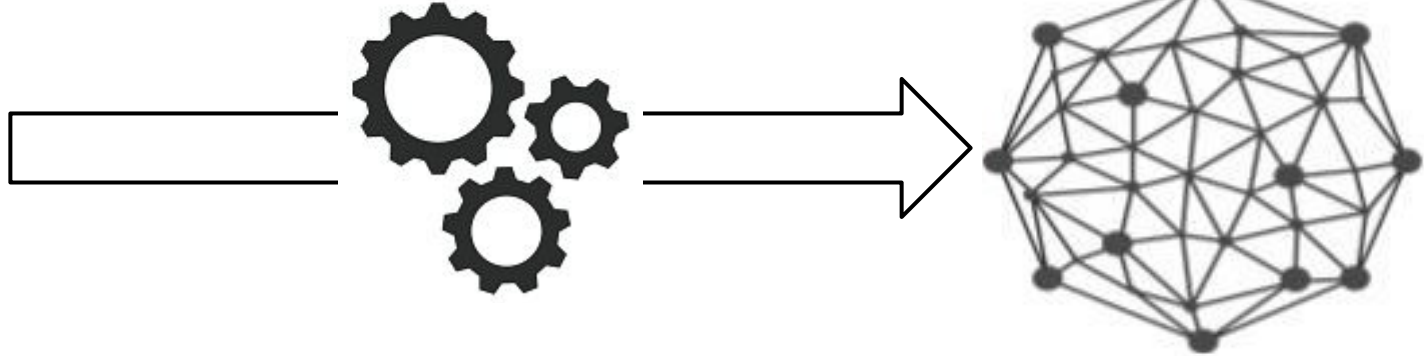
W3C Recommendation 27 September 2012

W3C

R2RML: RDB to RDF Mapping Language

W3C Recommendation 27 September 2012

KG-construct community group

focus on: semi-structured data (XML, CSV, JSON, etc) → KG (RDF)

Goals

G1: study current methods and implementations

G2: discuss use cases & derive requirements that are not covered

G3: formulate guidelines and best practices

G4: develop methods, resources & tools for evaluations

And we are right now...

KNOWLEDGE GRAPH CONSTRUCTION COMMUNITY GROUP

The overall goal of this community group is to support its participants into developing better methods for Knowledge Graphs construction. The Community Group will (i) study current Knowledge Graph construction methods and implementations, (ii) identify the corresponding requirements and issues that hinter broader Knowledge Graph construction, (iii) discuss use cases, (iv) formulate guidelines, best practices and test cases for Knowledge Graph construction, (v) develop methods, resources and tools for evaluating Knowledge Graphs construction, and in general (vi) continue the development of the W3C-recommended R2RML language beyond relational databases. The proposed Community Group could be instrumental to advance research, increase the level of education and awareness and enable learning and participation with respect to Knowledge Graph construction.

kg-construct

Group's public email, repo and wiki activity over time
2019
2020
2021
J F M A M J J A S O N D

Note: Community Groups are proposed and run by the community. Although W3C hosts these conversations, the groups do not necessarily represent the views of the W3C Membership or staff.

No Reports Yet Published

Chairs, when logged in, may publish draft and final reports. Please see report requirements.

PUBLISH REPORTS

biweekly meetings
Anastasia Dimou | Posted on: April 6, 2021

Tools for this group

Mailing List
IRC
Github repositories
RSS
Contact This Group

Get involved

Anyone may join this Community Group. All participants in this group have signed the W3C Community Contributor License Agreement.

JOIN OR LEAVE THIS GROUP

Anastasia Dimou
David Chaves-Fraga
Chairs

Participants (124)

Ongoing work:

- New R2RML Implementation report:
  http://w3id.org/kg-construct/r2rml-implementation-report

- Supporting report generation [R2]RML
  https://github.com/kg-construct/r2rml-test-cases-support
  https://github.com/kg-construct/rml-test-cases-support

- Mapping challenges (and solutions):
  http://w3id.org/kg-construct/workshop/challenges
  http://github.com/kg-construct/mapping-challenges/issues

- New and conceptual test cases

- RML+FnO specification

- Bi-weekly meetings (~20 people)

- Monthly blog post

http://github.com/kg-construct

http://w3id.org/kg-construct