

W3C Entity Reconciliation CG

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Lightning Talk at SWIB20, WWW, 2020-11-27

This presentation:

<http://slides.lobid.org/2020-swib-reconciliation/> (PDF)



OpenRefine

"A powerful tool for working with messy data"

<https://openrefine.org>

Reconciliation

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Align your own data with identifiers from a data provider
(e.g. authority IDs)

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Extend your local data with the reconciled data
(e.g. add fields from the authority data)

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OpenRefine talks to a remote Reconciliation Service via a
defined API, anyone can plug into OpenRefine like that

Community Group

Community Group

Document and improve the OpenRefine Reconciliation API

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Promote it as a standard for data matching on the Web

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Build tools around it

Testbench

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A tool to test reconciliation services

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A central overview of available services (currently 36)

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A central overview of available services (currently 36)

<https://reconciliation-api.github.io/testbench/>

























Reconciliation service test bench

[Services](#)[Test bench](#)

This table lists reconciliation services known to [Wikidata](#) and indicates which features of the [reconciliation API](#) they support.

If you are viewing this app over HTTPS it is likely that reconciliation services using HTTP are blocked as "mixed content". You can disable this protection in your browser to load HTTP reconciliation services.

Due to a [security risk inherent to JSONP](#), only endpoints supporting [CORS](#) are loaded by default. You can click the  button in each row to attempt to load the service via [JSONP](#). Note that a malicious endpoint could use JSONP to execute arbitrary JavaScript code in this page. If you trust all the reconciliation services listed here, you can also .

Name	Endpoint	CORS	JSONP	View entities	Suggest entities	Suggest types	Suggest properties	Preview entities	Extend data
Wikidata (docs , source) 	 https://wikidata.reconci.link/en/api	✓		✓	✓	✓	✓	✓	✓
Wikibase Registry (docs , source) 	 https://wikibase-registry.reconci.link/en/api	✓		✓	✓	✓	✓	✓	✓
Getty Vocabulary Program (docs) 	 https://services.getty.edu/vocab/reconcile/	✓		✓	✗	✗	✓	✓	✗
Thesaurus of Geographic Names LOD Dataset (docs) 	 https://services.getty.edu/vocab/reconcile/	✓		✓	✗	✗	✓	✓	✗
Scholars@BGU (docs) 	 https://scholars.bgu.ac.il/reconcile	✗							
ROR ID (source) 	 https://reconcile.ror.org/reconcile	✗							
OpenCorporates (docs) 	 https://opencorporates.com/reconcile	✓		✓	✓	✗	✓	✓	✗

Census

Census

Overview of the reconciliation ecosystem

Census

Overview of the reconciliation ecosystem

Available services, clients, software libraries

Census

Overview of the reconciliation ecosystem

Available services, clients, software libraries


<https://reconciliation-api.github.io/census/>

Alma Refine

Physical Titles (1 - 1 of 1)
The myths of security what the computer security industry doesn't want you to know
Save Query

Institution
Community

Sort by : Rank
Secondary Sort by : Rank
Expand

1


The myths of security : what the computer security industry doesn't want you to know / John Viega with introduction by Elia Zafrani

Book By Viega, John. (Beijing ; Cambridge ; Sebastopol, CA : O'Reilly, ©2009.)

Subject: Internet industry--Security measures. Computer security. Data protection. and others

Modification Date: 18/08/2020 13:13

Creation Date: 03/02/2020 09:30

Edition: 1st ed.

Language: English

ISBN: 9780596523022 and others

Record number: (OCoLC)263978539

MMS ID: 99229211100121

Edit Record
Holdings

Physical (2)
Other details

Back to App List
Alma Refine

To begin refining records, navigate to a list of Bibliographic records or select a set.

☐ Set
☒ Displayed Records
☐ Select Records

Refine the 1 records on this page

Select a refine service
GND

Begin Refining

Cocoda

BK Basisklassifikation

Wohnungsbau

5 Ingenieurwissenschaften
56.80 Gebäudelehre: Allgemeines
56.81 Wohnungsbau

Info Labels Editorial Search Links

<http://uri.gbv.de/terminology/bk/56.81>
Modified: 29. Nov. 2018

Top Concepts Favorite Concepts

- 56.80 Gebäudelehre: Allgemeines
- 56.81 Wohnungsbau**
- 56.82 Verwaltungsbau. Geschäftshäuser
- 56.83 Industriebau
- 56.84 Schulbau. Bibliotheksbau. Museumsbau. Theaterbau
- 56.85 Sportbauten. Freizeitanlagen
- 56.86 Sozialbauten. Krankenhausbau
- 56.87 Hotelbau. Messearchitektur
- 56.88 Sakralbau
- 56.89 Gebäudelehre: Sonstiges
- 56.90 Architektur: Sonstiges

Mapping Editor

not saved

BK RVK

56.81 Wohnungsbau = ZH 5000 - ZH 5960 Wohnungsbau

Concordances Mapping Search Mapping Navigator

Mappings: C L W Recommendations: CR CC CO

From	To	Creator	Date
C Concordance Registry 4 Mappings			
DDC 690 Hausbau und Bauhandwerk	RVK ZH 5000 - ZH 5960 Wohnungsbau	VZG	2013
DDC 728 Wohnbauten und verwandte Gebäude	RVK ZH 5000 - ZH 5960 Wohnungsbau	VZG	2013
DDC 690 Hausbau und Bauhandwerk	BK 56.81 Wohnungsbau	VZG	
DDC 728 Wohnbauten und verwandte Gebäude	BK 56.81 Wohnungsbau	VZG	
L Local No Mappings			
W Wikidata-Mappings No Mappings			
CR coli-conc Recommendations 5 of 12 Mappings			
BK 56.81 Wohnungsbau	RVK ZH 5000 - ZH 5960 Wohnungsbau		
BK 56.81 Wohnungsbau	RVK ZH 5000 - ZH 5960 Wohnungsbau		
BK 56.81 Wohnungsbau	RVK PN 615 Wohnungsbaurecht		
BK 56.81 Wohnungsbau	RVK PN 981.615		

RVK Regensburg

Classification [0] PUBLICDOMAIN

Wohnungsbau

ZG - ZS Technik
ZH Architektur
ZH 5000 - ZH 5960 Wohnungsbau

Info Labels Search Links

<http://rvk.uni-regensburg.de/nt/ZH%205000%20-%20ZH%205960>
156168:
Created: 5. Juli 2012
Modified: 19. März 2019

ZH 5000 Allgemeines
ZH 5050 Wohngebäude, Geschichte
ZH 5100 Ein- und Zweifamilienhäuser, Bungalows

Top Concepts Favorite Concepts

- Baukunstarten
- ZH 4700 - ZH 4999 Baugeschichte
- ZH 5000 - ZH 5960 Wohnungsbau**
- ZH 6000 - ZH 6410 Öffentliche Gebäude
- ZH 6500 - ZH 6850 Wirtschaftsgebäude; gewerbliche Bauten allgemein
- ZH 7000 - ZH 7985 Gebäude
- ZH 8000 - ZH 8985 Innenarchitektur
- ZH 9000 - ZH 9450 Raumordnung und Städtebau
- ZH 9605 - ZH 9800 Landschaftsarchitektur/Landschaftsplanung
- ZI Baulingenieurwesen
- ZK Bergbau und Hüttenwesen
- ZL Maschinenbau
- ZM Werkstoffwissenschaften und

Specs

Specs

Specifications of the reconciliation API

Specs

Specifications of the reconciliation API

<https://reconciliation-api.github.io/specs/latest/>



Reconciliation Service API

A protocol for data matching on the Web



ReSpec

Draft Community Group Report 24 October 2020

Latest editor's draft:

<https://reconciliation-api.github.io/specs/latest/>

Editors:

[Antonin Delpeuch](#) (University of Oxford)

[Adrian Pohl](#) (Hochschulbibliothekszentrum NRW)

[Fabian Steeg](#) (Hochschulbibliothekszentrum NRW)

[Thad Guidry Sr.](#)

[Osma Suominen](#) (National Library of Finland)

[Add Yourself Here!](#)

Participate:

[GitHub reconciliation-api/specs](#)

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[Pull requests](#)

[Copyright](#) © 2020 the Contributors to the Reconciliation Service API Specification, published by the [Entity Reconciliation Community Group](#) under the [W3C Community Contributor License Agreement \(CLA\)](#). A human-readable [summary](#) is available.

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https://github.com/reconciliation-api

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Search

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🐙

Search or jump to...

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Pull requests

Issues


Marketplace

Explore

🔔

+

🌟



W3C Entity Reconciliation Community Group

Writing specs and tooling to improve data matching on the web

<https://www.w3.org/community/recon...> public-reconciliation@w3c.org

📁

Repositories

4

📦

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👤

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28

👥

Teams

📁

Projects

⚙

Settings

🔍 Find a repository...

Type: All ▾

Language: All ▾

Customize pins

New

testbench

Web application to try out reconciliation services interactively

JavaScript

MIT

3

0

7

0

Updated 12 days ago

census

Inventory of the reconciliation ecosystem and its neighbourhood

Ruby

3

3

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0

Updated on Oct 26

specs

Specifications of the reconciliation API

reconciliation

reconciliation-service

reconciliation-api

HTML

2

11

23

2

Updated on Oct 24

Top languages



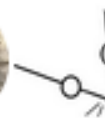


HTML






JavaScript






Ruby

People

28 >







Invite someone

12

W3C Entity Reconciliation CG

<https://www.w3.org/community/reconciliation/>

<https://github.com/reconciliation-api>