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

Community Group

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

Reconciliation service test be ☓

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

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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 load all endpoints via JSONP .

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

Cocoda

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

Draft Community Group Report 24 October 2020

Latest editor's draft:

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

Editors:

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Fabian Steeg (Hochschulbibliothekszentrum NRW)

Thad Guidry Sr.

Osma Suominen (National Library of Finland)

Add Yourself Here!

Participate:

GitHub reconciliation-api/specs

File a bug

Commit history

Pull requests

W3C Entity Reconciliation Co... ×

https://github.com/reconciliation-api

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W3C Entity Reconciliation Community Group

Writing specs and tooling to improve data matching on the web

🔗 https://www.w3.org/community/recon...   ✉ public-reconciliation@w3.org

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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   ⓘ 0   ⑂ 0   Updated on Oct 26

specs

Specifications of the reconciliation API

reconciliation   reconciliation-service   reconciliation-api
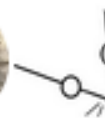
🔴 HTML   ⑂ 2   ☆ 11   ⓘ 23   ⑂ 2   Updated on Oct 24

Top languages

🔴 HTML   🟡 JavaScript   🔴 Ruby

People   28 ›

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12

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

https://github.com/reconciliation-api