

kadaster



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GeoData Wizard

Metadata Matters Event
Hilversum Sept 2023



LDWizard: Create Linked Data in One Spell

Need for an entry-level, easy-to-use linked data creation and publication tool.

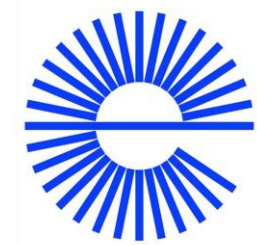
Ambition:

Create a family of sustainable open source linked data creation and publication tools, configurable per domain from the LDWizard Core, with a clear governance structure plus a growing user and developer community.

Use Cases:

1. Novice user (primary target audience)
2. Data expert without Linked Data experience
3. Linked Data expert

Open source software needs a community...



netwerk
digitaal
erfgoed



Platform Linked Data Nederland - Mozilla Firefox

Platform Linked Data Nederland

https://github.com/pldn

pldn

Repositories 11 Projects Packages Teams People 6

Platform Linked Data Nederland Follow

PLDN is an open network community where experts and interested parties can share their knowledge around linked data

6 followers Utrecht, the netherlands https://www.pldn.nl @linkeddatanl info@pldn.nl

nederlands-profiel-voor-stelselcatalogi Public

Repository voor de activiteiten van de PLDN Werkgroep Nederlands profiel voor stelselcatalogi

JavaScript 7 stars 11 forks

LDWizard Public

LDWizard

TypeScript 9 stars 5 forks

rdf-template Public

Java 2 stars 1 fork

solid-activities Public

Repository for Solid-related activities in our PLDN community

View as: Public

You are viewing the README and pinned repositories as a public user.

You can create a README file visible to anyone.

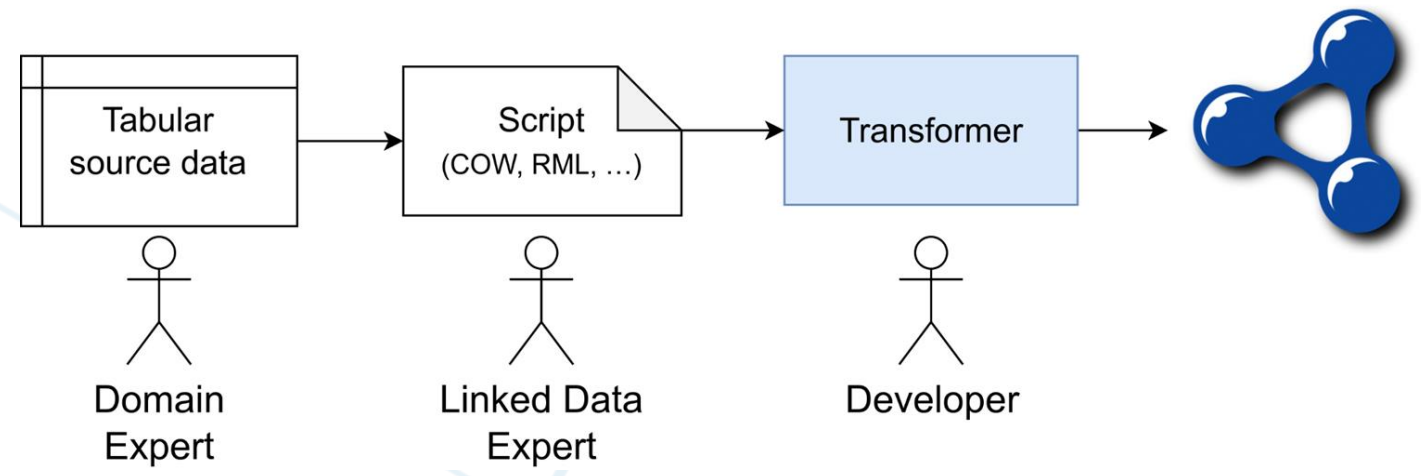
People

Top languages

TypeScript JavaScript Java HTML

and other organizations

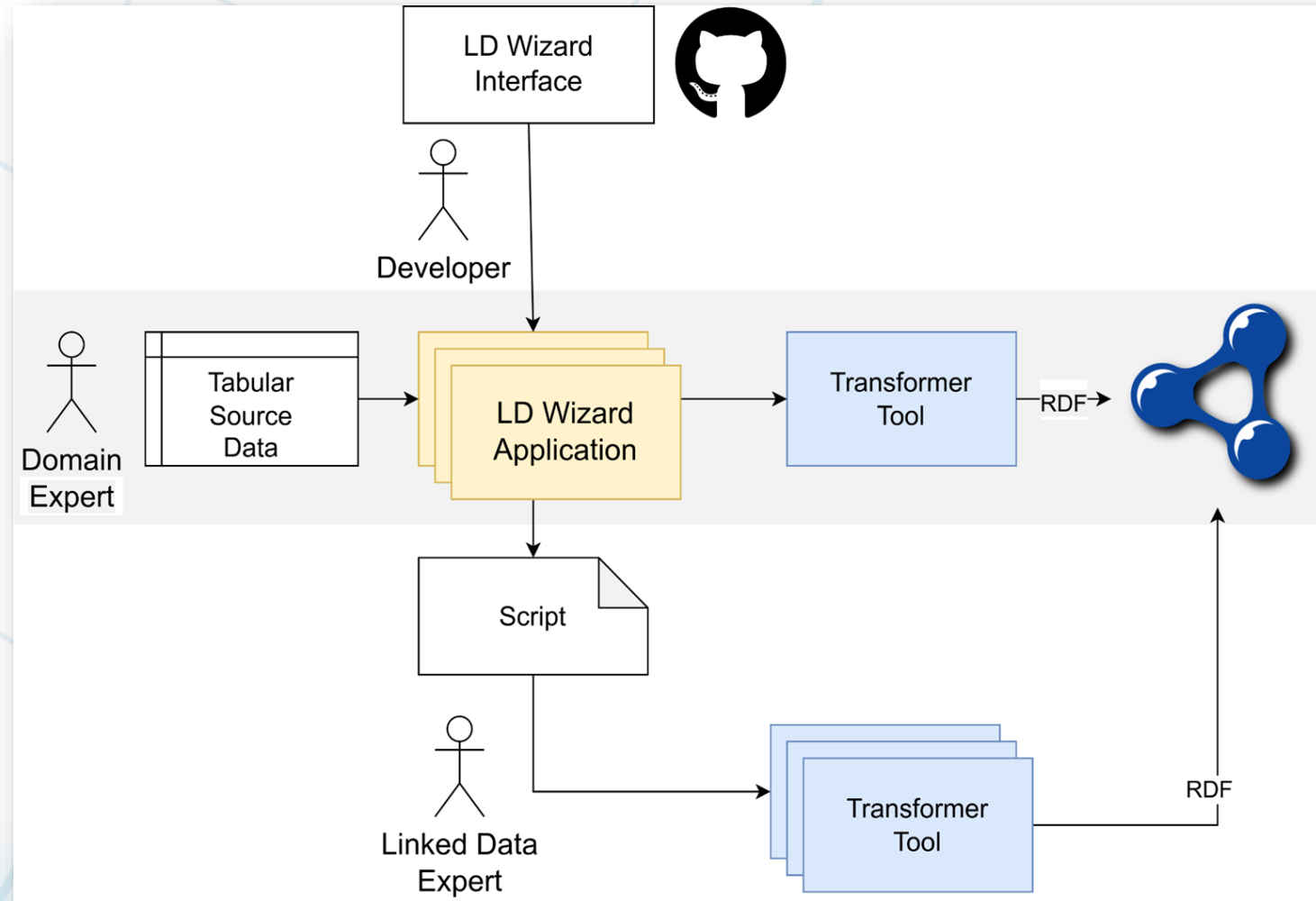
Design Requirements



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Design Requirements

- Low deployment cost (no server)
- No data storage (GDPR, etc)
- Configurable per domain
- For beginner LD users
- Transition path to more advanced use



Implementation Decisions

Applied standards:

- SPARQL for giving mapping suggestions
- Elasticsearch for giving mapping suggestions
- RML for the transformation script

Current limitations:

- Tabular source data (CSV)
- At most 30 columns
- At most 1,048,576 rows

Community Variants

- [GeoData Wizard](#) (Kadaster)
- [Humanities and Social Sciences](#) (Univ. Maastricht)
- [Biomedical data - BioLink](#) (Univ. Maastricht)
- [Cultural Heritage Wizard](#) (NDE)
- [CLARIAH Wizard](#) (CLARIAH)

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Use Case Supported by the GeoData Wizard

- Enrich BAG identifiers with Kadaster Knowledge Graph (KKG) URIs
- Enrich point coordinates with KKG Building URI
- Enrich point coordinates with KKG Parcel URI
- Enrich a town or city name with their URI from the KKG
- A combination of postcode and housenumber from two columns can be used to enrich data with KKG number designation URI
- The combination of street and town name from two different columns can be used to enrich data with KKG URI
- Enrich BAG identifier with geometry
- ...

Live Demo



GeoData Wizard

1 Upload ————— 2 Configure ————— 3 Publish

No file selected

 **LOAD YOUR CSV FILE**

Or try it with an [example CSV file](#)

BACK NEXT RESTART

https://www.pldn.nl/wiki/Bounty_Program



Bounty Program

One of the goals of PLDN is to make free to use, lightweight, open source, linked data tools more sustainable via our PLDN community and governance activities.

One way of doing this, is to enlarge the pool of software developers that are involved in the development and maintenance activities for these lightweight linked data tools, to solve any issues and to develop new features for these tools. For the smaller activities this is done on a voluntary basis and for important issues and much desired new features, we would like to work via a bounty program, such that organizations can place bounties (financial rewards) for issues that they want to get solved or for new features that want to be developed.

Working this way, we would like to engage software developers that want to learn innovative new technologies and that have good experience with development in [JavaScript/TypeScript](#) and SCSS, have experience in structuring, querying and retrieving (linked) data and that want to work under the guidance of the gatekeeper for one of the tools. When a developer wants to claim a bounty, the gatekeeper is involved in the intake procedure of the candidate developer, he will monitor the progress and quality of the work activities and he will accept/reject the deliverables that are developed for a bounty issue. Working this way, more organizations and developers can become involved in the larger linked data community.

List of bounties =>	Bounty procedures =>
Express your interest to work on a feature or bug	Learn more about how bounties are placed and managed

https://www.pldn.nl/wiki/Bounty_Program



Bounties List

This page lists all issues of the PLDN Bounty Program on which a bounty has been placed.

- As an organization, you can [mail us](#) to add new bounties on LDWizard-related [GitHub issues](#).
- As a developer, you can [mail us](#) to discuss with us if and how you can solve a bounty-issue.

Learn more about the required steps in the bounty procedures for all roles involved in the PLDN Bounty Program on the [Bounty Procedures](#) page.

Bounties [\[bewerken\]](#)

This section contains all bounties that have been placed by organizations so far with their status.

Repository	LDWizard
Issue	Select a predefined profile (SHACL shapes) #59
Status	Claimed
Claimed by	Daniel Beeke
Created	September 20, 2022
Sponsors	PLDN
Bounty	€ 1250