LDWizard: Create Linked Data in One Spell

PLDN, NDE, IISH, CLARIAH, Maastricht University, Kadaster and Triply

Introduction

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

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.
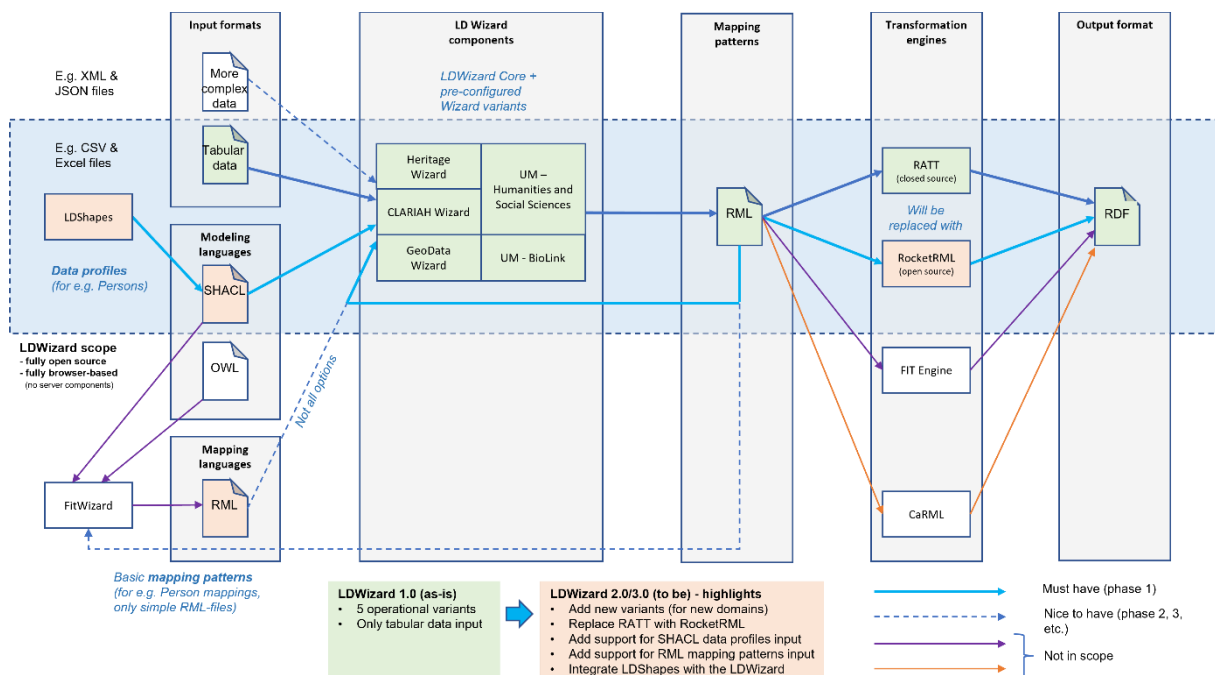
Use Cases

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

Variants so far (see https://github.com/pldn/LDWizard for details)

1) Heritage Wizard
2) UM - Humanities and Social Sciences
3) UM – BioLink
4) GeoData Wizard
5) CHARIAH Wizard

Architecture

Transform tabular source data via a step-by-step user interface into high-quality linked data, where the output of one linked data tool can be the input for another linked data tool (e.g. LDShapes or FitWizard output).

Future work

Create new LDWizard variants and add support for vocabulary suggestions, reusable data profiles in SHACL and reusable mapping patterns in RML (per domain), plus let the user and developer community grow further in size and maturity, where development bonuses (bounties) are used to stimulate more development activities.

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Bounties (see https://www.pldn.nl/wiki/Bounty_Program for more information)

Repository	**LDWizard**
Issue	**Replace RATT with RocketRML #54**
Status	Claimed
Claimed by	
Created	September 7, 2022
Sponsor(s)	**PLDN**
Bounty	€ 1000,-

Repository	**LDWizard**
Issue	**Select a predefined profile (SHACL shapes) #59**
Status	Open
Contact	**info@pldn.nl**
Created	September 20, 2022
Sponsor(s)	**PLDN**
Bounty	€ 1250,-

Repository	**LDWizard**
Issue	**Remove support for CSVW and RATT export formats #58**
Status	Open
Contact	**info@pldn.nl**
Created	September 20, 2022
Sponsor(s)	**PLDN**
Bounty	€ 250,-

Repository	**LDWizard**
Issue	**Add support for RML import format #60**
Status	Open
Contact	**info@pldn.nl**
Created	September 20, 2022
Sponsor(s)	**PLDN**
Bounty	€ 2000,-

Gatekeeper and governance

The LDWizard Working Group prioritizes the development activities (issues) for new releases of the LDWizard, where the development activities are guided by a gatekeeper that monitors the quality of the development activities. The LDWizard Steering Group decides on the development budget and the bounty sums. Every year we evaluate whether the activities are sustainable enough to become a fully self-driven community.