

WikiBase (+ Wikibase Cloud)

What is WikiBase?

Bullet points

- Wikibase is a free and open-source software suite
- Enables creation and management of open knowledge bases
- Maintained by Wikimedia Deutschland and a global community
- Suitable for institutions and research projects needing structured data

How big is Wikidata?

More than 114,000,000 items created and managed by community effort

Who edits Wikidata?

There are currently 24,526 active users

Wikibase Examples

↳ Libraries

↳ Research

↳ Science

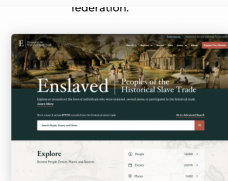
↳ Collections



Rhizome Artbase



German National Library



Enslaved.org

Figure 1: Wikibase Examples

WikiBase Infrastructure

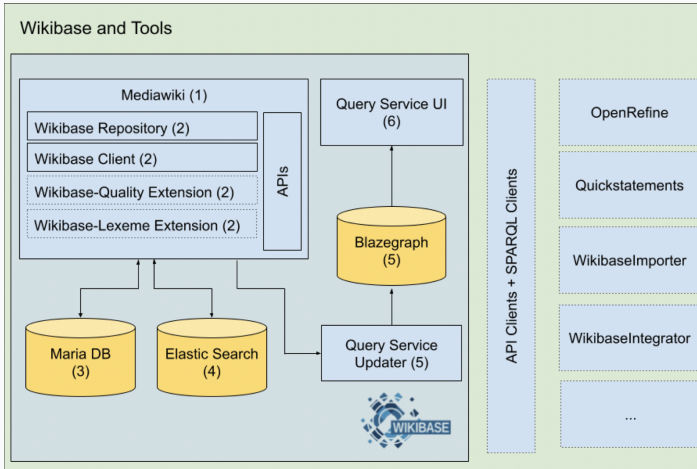


Figure 2: Wikibase Structure

Data Modeling

- Modeling is a series of choices about how to organize your data, and those choices look different based on data
- Changing models may require significant data restructuring
- In Wikibase, you'll need to think of your data in terms of the concepts Wikibase uses to store data: **items**, **properties**, **statements**, and so forth.

The screenshot shows a Wikibase item page for 'Jimmy Wales' (Q181). At the top, there are tabs for 'Item', 'Discussion', 'Read', 'View history', and a star icon. The main title is 'Jimmy Wales' with '(Q181)' and a lock icon. Below the title is a description: 'Wikipedia co-founder and American Internet entrepreneur', followed by a list of aliases: 'Jimbo Wales | Jimmy Donal Wales | Jimbo | Jimmy Donal "Jimbo" Wales | Jimmy "Jimbo" Wales'. There is an 'edit' link with a pencil icon. The 'Statements' section is highlighted with a red underline. It shows a statement 'instance of' with a red underline, a lock icon, the value 'human', and an 'edit' link. Below this is a link for '1 reference' and a '+ add value' button at the bottom.

Item [Discussion](#) [Read](#) [View history](#) ☆

Jimmy Wales (Q181)

Wikipedia co-founder and American Internet entrepreneur [edit](#)

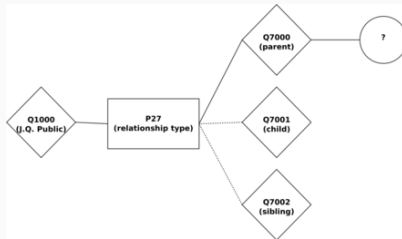
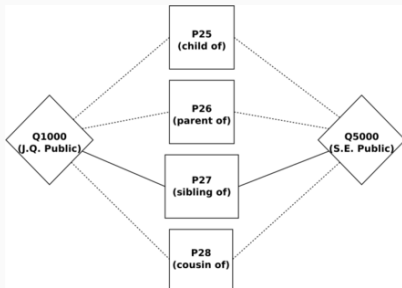
Jimbo Wales | Jimmy Donal Wales | Jimbo | Jimmy Donal "Jimbo" Wales
| Jimmy "Jimbo" Wales

Statements

instance of	human edit
▶ 1 reference	
+ add value	

Different Modeling Options

More properties, or more items?



- **Need to import a large amount of data**
 - **OpenRefine** is for transforming and reconciling data for import
 - **WikibaseIntegrator** is a good choice if you know Python and want to automate data import
- **Need to keep external data in sync with Wikibase**
 - **OpenRefine** connects to various data stores, allowing for ongoing reconciliation with Wikibase
- **Want to input data manually with structured fields**
 - **Cradle** Ensures all required fields are filled when entering data manually
- **Need to import data from a flat text file**
 - **QuickStatements** accepts batch data in command formats (v1, CSV)

- **OpenRefine** - a data-wrangling tool that connects to Wikibase and other databases. It allows transformation and mapping for import and ongoing reconciliation
- **WikibaseIntegrator** is a python library for automated data import. It is useful for creating bots to handle large imports with minimal intervention
- **Cradle** is useful for Wikibase administrators who wish to allow creation of lots of items manually, all of which need to conform to a particular schema.

Tool Overviews

- **QuickStatements** supports v1 command format and CSV format. Accessible via QuickStatements interface in Wikibase

qid,Len,Den,P2650
,Doctor Worm,1998 song performed by They Might Be Giants,Q128309

QuickStatements English [New batch](#) [Chat](#) [Git](#) [Help](#)

Create new command batch for ▼ as

CREATE
LAST Len Doctor Worm
LAST Den an actual worm
LAST P2650 Q128309

[Import V1 commands](#) [Import CSV commands](#)