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?

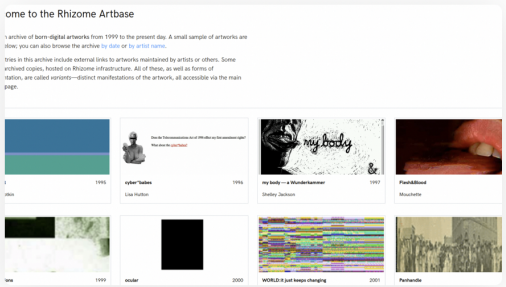
More than 114,000,000 items created and managed by community effort

Who edits Wikidata?

There are currently 24,526 active users

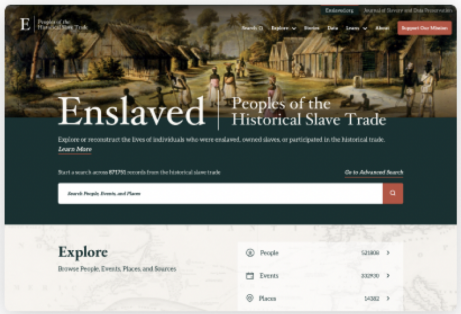
Wikibase Examples

↳ Libraries ↳ Research ↳ Science ↳ Collections



Rhizome Artbase

German National Library



Enslaved.org

Figure 1: Wikibase Examples

WikiBase Infrastructure

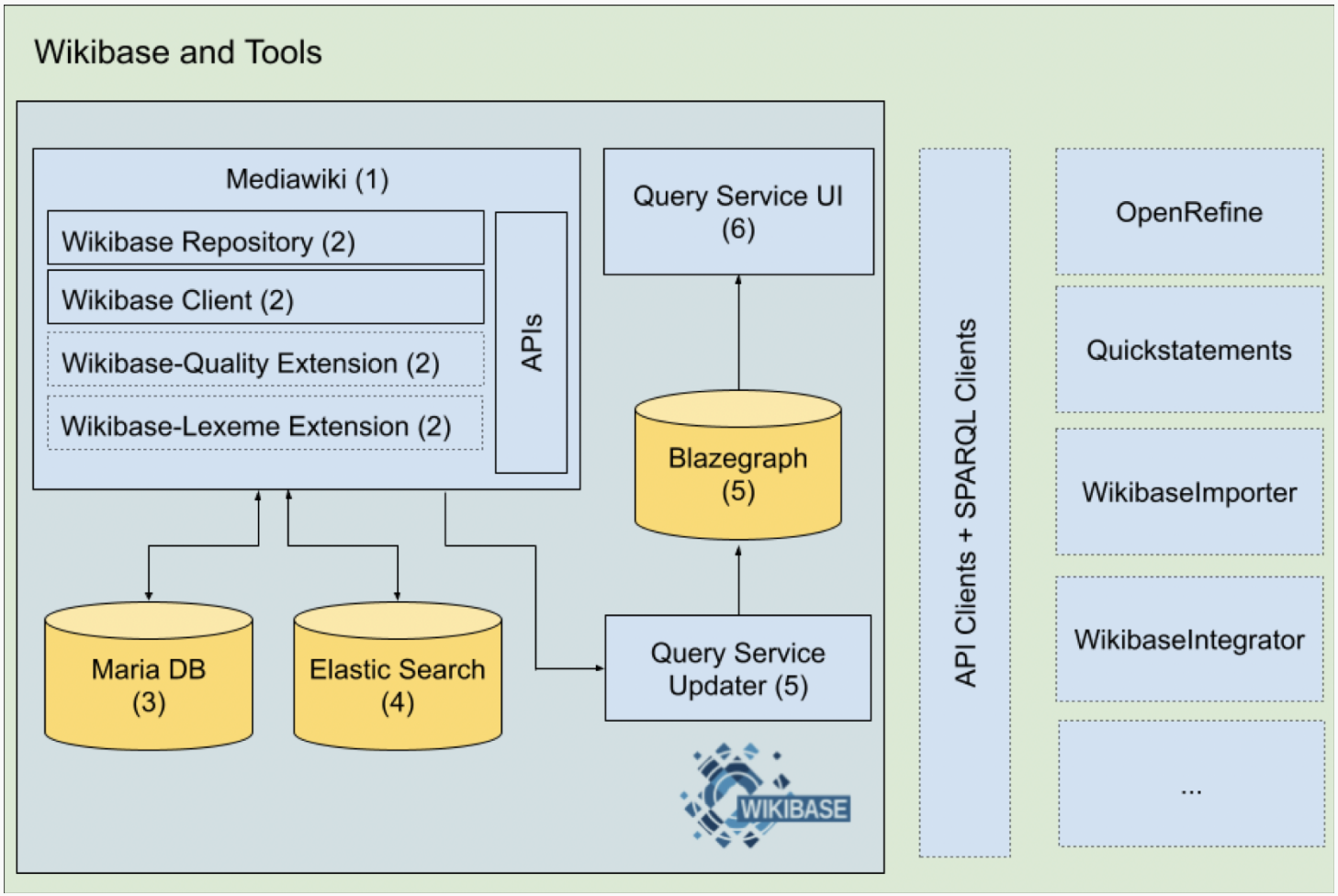


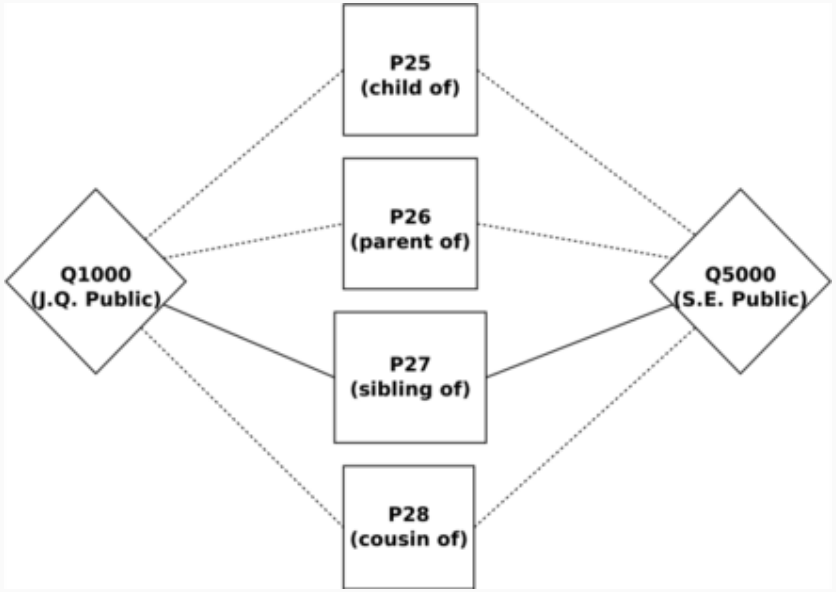
Figure 2: Wikibase Structure

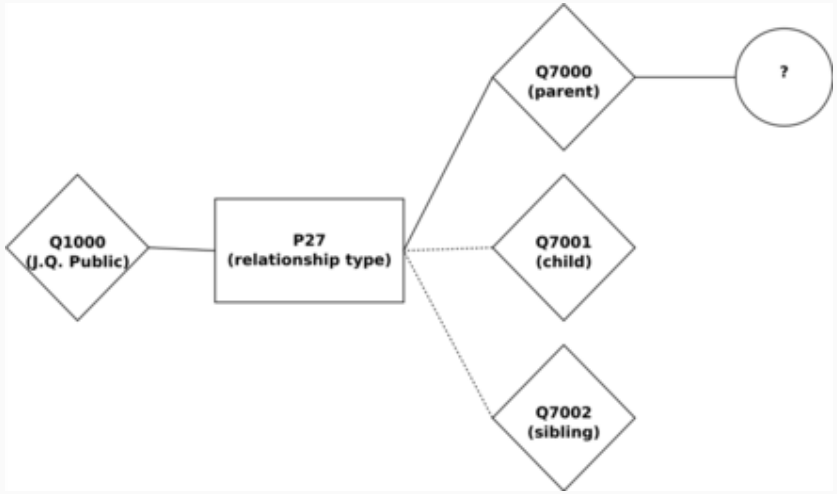
Data Modeling

- 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.

Different Modeling Options

More properties, or more items?





Data Creation

- **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)

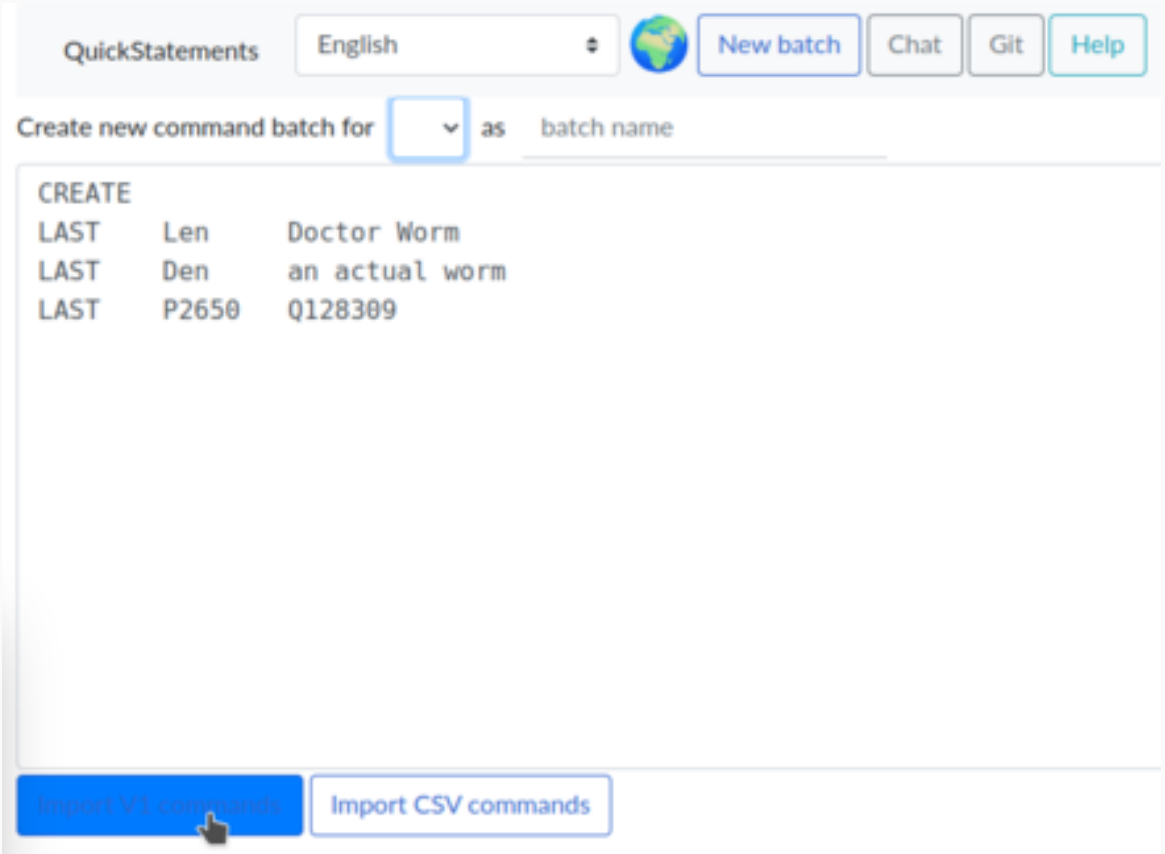
Tool Overviews

- **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

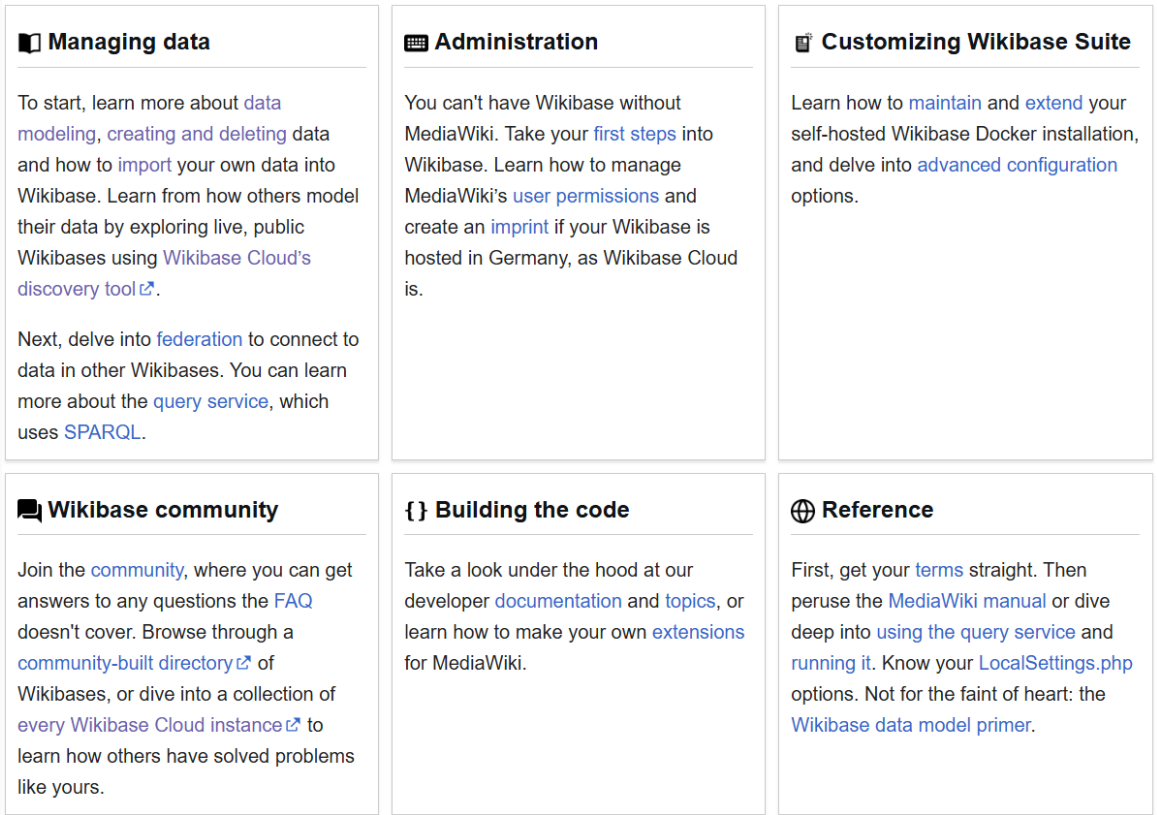
```
qid,Len,Den,P2650
,Doctor Worm,1998 song performed by They Might Be Giants,Q128309
```



Wikibase Documentation and Creating a Wikibase

https://www.wikibase.cloud/

Within Wikibase.cloud website you can register for creating Wikibases and find the documentation about data modelling, creating and deleting data, importing data, and many other things.



Managing data

To start, learn more about data modeling, creating and deleting data and how to import your own data into Wikibase. Learn from how others model their data by exploring live, public Wikibases using Wikibase Cloud's discovery tool.

Next, delve into federation to connect to data in other Wikibases. You can learn more about the query service, which uses SPARQL.

Administration

You can't have Wikibase without MediaWiki. Take your first steps into Wikibase. Learn how to manage MediaWiki's user permissions and create an imprint if your Wikibase is hosted in Germany, as Wikibase Cloud is.

Customizing Wikibase Suite

Learn how to maintain and extend your self-hosted Wikibase Docker installation, and delve into advanced configuration options.

Wikibase community

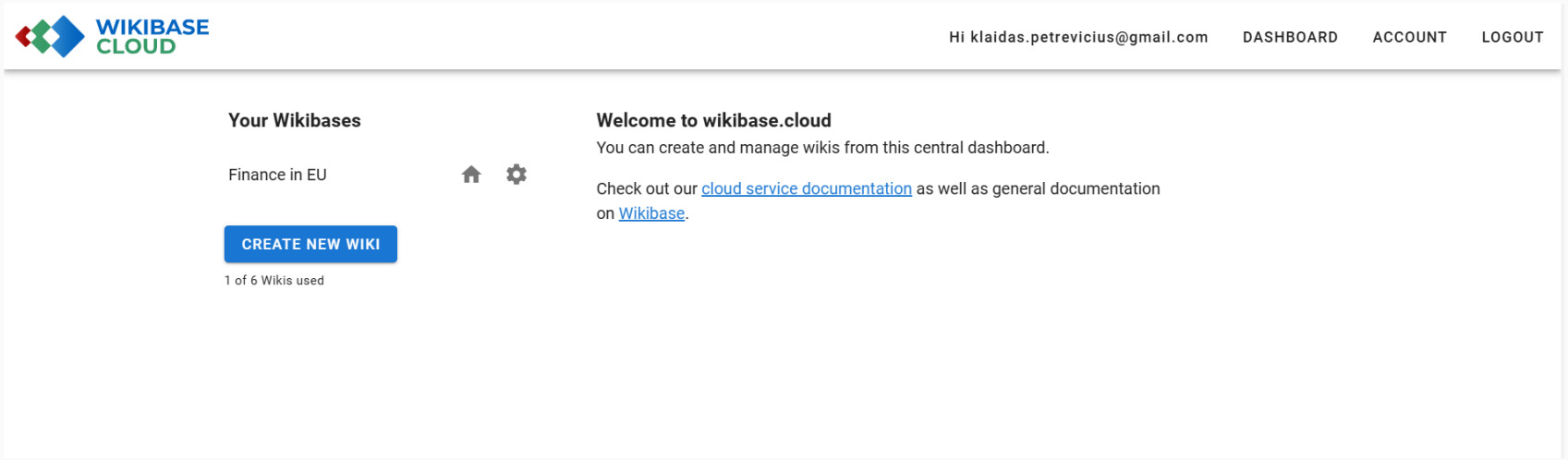
Join the community, where you can get answers to any questions the FAQ doesn't cover. Browse through a community-built directory of Wikibases, or dive into a collection of every Wikibase Cloud instance to learn how others have solved problems like yours.

{} Building the code

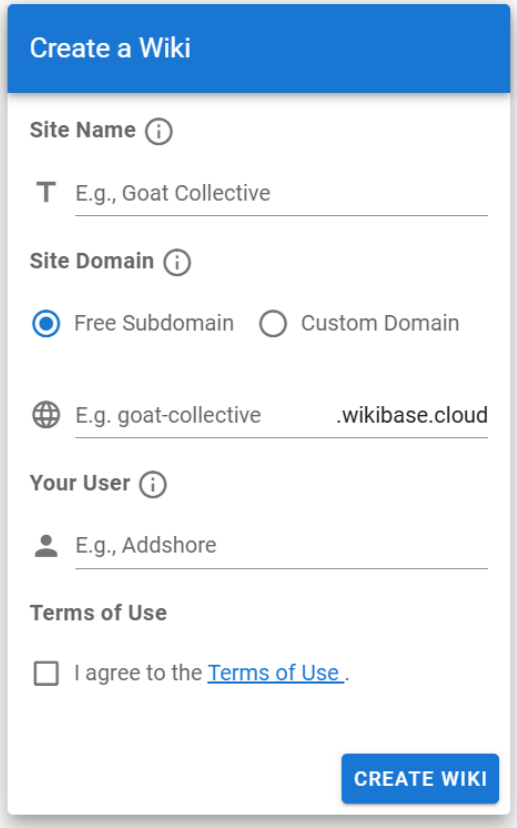
Take a look under the hood at our developer documentation and topics, or learn how to make your own extensions for MediaWiki.

Reference

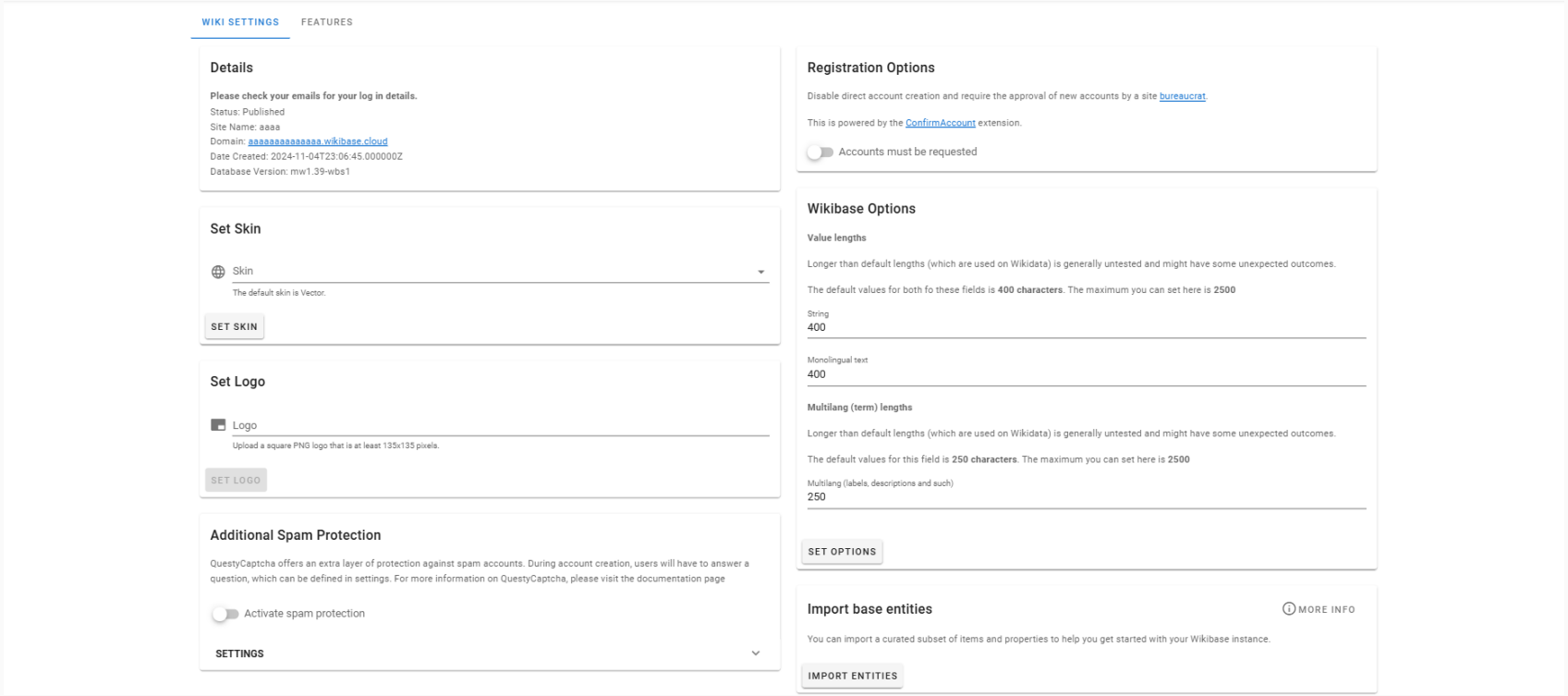
First, get your terms straight. Then peruse the MediaWiki manual or dive deep into using the query service and running it. Know your LocalSettings.php options. Not for the faint of heart: the Wikibase data model primer.


WIKIBASE CLOUD
Hi klaidas.petrevicius@gmail.com
DASHBOARD
ACCOUNT
LOGOUT
Your Wikibases
Finance in EU
CREATE NEW WIKI
1 of 6 Wikis used
Welcome to wikibase.cloud
You can create and manage wikis from this central dashboard.
Check out our cloud service documentation as well as general documentation on Wikibase.

Choosing the name and the domain



Wikibase settings



Wikibase homepage

https://finance-eu.wikibase.cloud/wiki/Main_Page