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Read

The LinkedWiki extension lets you reuse Linked Data in your wiki. You can get data from Wikidata or another source directly with a SPARQL query. This extension also provides Lua functions for building your module so that you can write your data in your RDF database.

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7 See also

Usage [edit]

Configuration of your SPARQL endpoints [edit]

Extension:LinkedWiki

Often, the configuration of endpoints is not trivial and very different in function of RDF databases. In the configuration of the extension, you can declare correctly public endpoints and also your private endpoints.

The extension supports the endpoints with credentials where the users of your Wiki can reuse your private data without seeing your credentials.

See details: Configuration of the LinkedWiki extension

Pape Adrien IV

01 janv 1100 Anagni Lieu de décès Date de décès 01 sept 1159 1154-12-4 Intronisation 05 déc 1154 Fin du pontificat 01 sept 1159 Source Wikidata Q132845 🗗 With a lua class, you

are able to save and check data with an external knowledge base such as Wikidata.

Generally in Wiki for users, a page is a object where they want write/read a property. Unfortunately, your ontology can be complex and the contributor are rarely experts in RDF or in SPARQL.

Module: Lua class to read/write your data [edit]

The extension can simplify the job of contributors and developers without imposing a specific ontology.

We built a Lua class where you can build your own module (for example an infobox) where you are able to write or read a property

via a simple function. This function will use the description of your ontology in the configuration of the extension in order to save correctly this property in your database.

See details : Use LinkedWiki in your module

Parsers: Reuse your data in your wiki [edit]

Build your SPARQL query (Work in progress) [edit]

The extension gives parser functions #SPARQL and #WSPARQL in order to reuse your data or the Linked Data in your wiki. You can use a specific endpoint or reuse an endpoint already defined in he configuration.

It's possible to customize the result of your SPARQL query via templates or via widgets ₺.

 #sparql reuses your data in your wiki with templates • (deprecated) #wsparql reuses your data in your wiki with widgets

The LinkedWiki extension gives two SPARQL editors. Flint Editor works with SPARQL endpoint 1.1 or 1.0 but sometimes, it doesn't work for example with Wikidata.

We develop a new SPARQL editor where you can select in one click an endpoint already defined in your configuration and read (and write, if you want) via SPARQL directly in this editor.

See details: Test your queries in your wiki (Work in progress)

See details:

Visualization (Work in progress) [edit]

We are developing (from scratch) several tools to insert nice visualization of your data in your wiki. The version 3.1.0 uses Sgvizler2 to insert maps of Google or OpenStreetMap (Work in progress). See details: Visualization

Import Turtle in wiki to write, check, transfer and validate RDF (Work in progress - Installation is hard) [edit] The LinkedWiki extension creates namespaces Data and UserData. Only users in group Data can change these namespaces. A user can use

these namespaces to import a Turtle file RDF started in a software and import (check/validate) it. This part is experimental and can again change. See details Download instructions [edit]

For the version 3.x, you need to use the master version. It's tested with PHP7 and Mediawiki 1.27 (but it works also with PHP5 and Mediawiki 1.25+).

Installation [edit]

To install this extension:

1. copy the extension in the folder extension/LinkedWiki of your wiki

2. in the folder, execute composer install --no-dev and yarn install --production=true (or npm install). If you don't have install composer or yarn, see in this page: "How install composer and yarn ?".

wfLoadExtension('LinkedWiki');

• If you want to make an infobox with LinkedWiki, you need to install Extension:Scribunto,Extension:Capiunto and read the quick start with Lua. • If you want to use a map, you need to insert in the file keys.json the key of Google Map and the token access of OpenStreepMap.

Configuration [edit]

RewriteEngine On

Wikidata is the endpoint by default of your wiki (read only).

3. add the following line to LocalSettings.php:

If you add a new endpoint and change the default endpoint of your wiki, you need to change the file: extension/Linkedwiki/extension.json

And you have to mask this file on the server. You can add these line in the file .htaccess in the root folder.

RewriteRule ^.*/extensions/LinkedWiki/.*\.json\$ /w/index.php

"http://www.wikidata.org": {

Example in extension/Linkedwiki/extension.json with Wikidata doesn't support the POST method.

```
"debug": false,
"isReadOnly": true,
"endpoint": "https://query.wikidata.org/sparql",
"typeRDFDatabase": "blazegraph",
"HTTPMethodForRead": "GET",
"storageMethodClass": "WikidataStorageMethod",
"lang": "en"
```

See details : Configuration

• Examples of other endpoints : List of configurations

Known issue [edit] **Errors about CURL** [edit]

If, after the installation, you have errors about CURL, probably you need to install the lib php5-curl in your server. Example with ubuntu, debian or fedora:

apt-get install php5-curl apt-get install php70w-common

yum install php5-curl yum / dnf install php70w-common

Questions? [edit] FAQ and problems

Old google group : http://groups.google.com/group/linkedwiki
 □

How install composer and yarn ? [edit] For debian or fedora:

apt-get install yarn composer

or

curl -sL https://dl.yarnpkg.com/rpm/yarn.repo -o /etc/yum.repos.d/yarn.repo yum / dnf install yarn composer

How to propose a new feature ? [edit] You can propose a new task : Propose a new feature

How to declare a problem ? [edit]

See also [edit]

• SPARQL in Wikipedia

 SPARQL examples

☑ Wikidata examples

☑

Tutorial SPARQL in french (Wikiversity)

☑

Categories: Extensions with unknown license | Stable extensions | Parser extensions | Special page extensions | Data extraction extensions | Extensions without a compatibility policy Extensions in Wikimedia version control | ParserFirstCallInit extensions | LanguageGetMagic extensions | All extensions | SPARQL extensions | Wikidata extensions | LinkedWiki | SPARQL

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LinkedWiki

Phabricator project: #MediaWiki-extensions-LinkedWiki

MediaWiki extensions manual

Q

LinkedWiki Release status: stable **Implementation** Parser extension, Special page, Data extraction **Description** The **LinkedWiki** extension allows to read and save your data and reuse the Linked Open Data in pages or modules of your Wiki.

Karima Rafes ☑ (Karima Author(s) Rafes^{talk}) 3.2.1 **Latest version MediaWiki** 1.25 +PHP 7.1+ **Database changes** No License CC BY-SA 4.0&

Download Download extension Git ^[?]: Download Git master

 browse repository (GitHub) commit history code review

README https://lemedia.wiki& **Hooks used** [Expand]

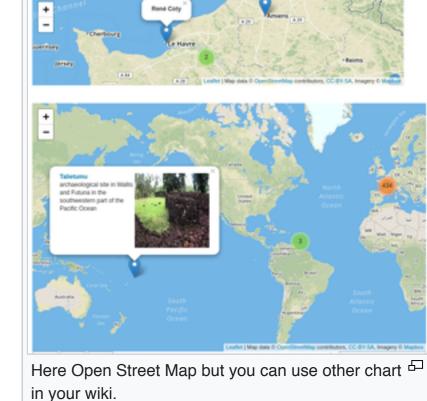
at translatewiki.net Check usage and version matrix. Open tasks · Report a bug

☑ Issues

Translate the LinkedWiki extension if it is available

Example

Pays ⋈ Source ⋈



Titre 🖂

le 20/08/2010 23:00:00 Un meurtre est-il facile ? CANALPLUS le 20/08/2010 23:30:00 La nuit au musée 2 le 20/08/2010 23:45:00 Shooting Fish NRJ_12 le 20/08/2010 23:55:00 Piranha ㅁ Example with the **SPARQL** parser with templates

Diffusion M