

Intro to Quarry

with Halfak

Aaron Halfaker

Senior Research Scientist, Wikimedia Foundation

Think big. Measure what you can. Build better technologies.



About me

Hi. I'm Aaron Halfaker. I'm a scientist. See [projects](#) and [publications](#) below. I've been a Wikipedian since 2008. I mostly build tools and run studies, but I make edits where I can. In 2011, I started working with the Wikimedia Foundation as a [research scientist](#). This is my staff account. See my volunteer account, [User:EpochFail](#), for my non-staff work.

My work

I use the scientific method to explore the structure and function of open knowledge projects like Wikipedia. My goal is to identify problems/opportunities and to use this knowledge to improve/extend the [socio-technical](#) infrastructure that makes them work. See [The Rise and Decline](#) for an example of my research and [Revision scoring as a service](#) for an example of an experimental technology I'm actively working

Contact me

- E-mail: ahalfaker@wikimedia.org
- Website: <http://halfaker.info> 
- Twitter: <http://twitter.com/halfak> 
- On IRC, I go by "halfak".

Intro to Quarry

Intro to Quarry

1. What's the problem

Intro to Quarry

1. What's the problem
2. How does Quarry help?

Intro to Quarry

1. What's the problem
2. How does Quarry help?
3. How does Quarry work?

What's the problem with SQL?

SQL is awesome

- Direct access to (practically) live data
- SQL is easy for non-tech people to learn***

SELECT <what you want> **FROM** <the table> **WHERE** <my conditions are met>

Research:Labs2:Getting started with Tool Labs

— Research:Labs2

Continuing an account on Tool Labs is the best way to get your content with self-hosting. Tool Labs hosts a complete set of **new database tables for all Wikimedia projects (including private ones)**. It also provides an environment to host bots, scripts and the like on your applications. This manual explains how to request a Labs account. Make sure you submit a request early enough so it can be processed in time for the hackathon if you have any issues, please email wikitech@wikimedia.org by 10pm.

This guide will bring you from zero to submitting a query to a free copy of Wikimedia's database.

- We assume that:
- You're using a Linux or Mac computer. This guide assumes you're working from Ubuntu or another Debian-based Linux distribution or using the Mac OS X "Developer" application. For more info for Windows (and an alternate route, see below).
 - You have a basic understanding of:
 - SQL
 - SSH-based security (ie. using an SSH key for SSH provided by a host file (not a laptop), and
 - SSL.

Contents

- 1 Register a Wikimedia Labs account
- 1.1 Contents here
- 2 Add your SSH key
- 2.1 Contents here
- 3 Request access to the Tool Labs project
- 4 Log the Tool Labs and run a query

Step 1: Register a Wikimedia Labs account [edit]

Wikimedia Labs is a cluster of servers designed to support the development of Wikimedia and tools to experiment with others. Its registering a Labs account, you'll be able to access the servers on this cluster. Servers on this site cluster have access to several databases ("new") and all copies of the WIKI, Wikisource for all language Wikisource, Commons and more like this. Here.

To register an account, visit the www.mediawiki.org/wiki/Tool_Labs page. The "request a Lab account" will be the username that you use when accessing the servers through SSH.



Common Issues [edit]

• Make sure that you don't include any spaces or underscores. If you want check whether you can include special characters in your shell account name, you may test an error like this. **Account creation error: There was either an authorization database error or account not already exists error occurred.**

Step 2: Add your SSH key [edit]

To complete your user registration, you'll administratively be added to a group of new accounts awaiting approval. While this approval is happening we can move onto the next step. Here you'll have to enter your public/private keys.

Wikimedia Labs servers do not allow you to log using a username, instead, you'll be using a cryptographically secure public and private "key" pair. If you don't already possess a public and private key, you'll need to generate them.

Quick how-to: Generating your SSH keys [edit]

[\[edit\]](#)

To set your SSH key, go to the www.mediawiki.org/wiki/Tool_Labs site. Alternatively, from the website site, click the "Preferences" link in the upper right corner and select the "Open Shell key" link.

Click "Add public SSH key" and you'll be presented with a text box. Copy and paste your **public** SSH key content into this box and be careful. **Note:** If you generated the key above, the key you want to paste is `ssh-rsa`.



Common Issues [edit]

• If you accidentally paste your **private** key content into the box, Option 3 from your preferences and generate a new public and private key pair.

Step 3: Request access to the Tool Labs project [edit]

Tool Labs is a project group within **Wikimedia Labs** that is supported by used by Wikimedia bot developers. Historically, they have graciously allowed us researchers to use their development resources for doing research and analysis.

To request access to the Tool Labs account, fill out this access request form. Make sure to note that you're planning to participate in a research hackathon for U.S.



Step 4: Log into Tool Labs and run a query [edit]

Once your account has been approved, you should be able to use your private key to log into the Tool Labs high server with the shell account you created (username: shell_account, usually shell). Here you'll need to use ssh-add to install your keys. Then, connect with ssh -i, a variation of private key -username:shell_account_mediawiki@labs-wmf.lga.ny.



For more information on how to use specific servers for particular client databases (just in English Wikipedia), see this handy guide: mediawiki.org/wiki/Tool_Labs2, welcome on IRC (#wikitech) and also on the discussion environment!

Step 1: Register a Wikimedia Labs account [\[edit \]](#)

Wikimedia Labs is a cluster of servers designed to support the development of MediaWiki and tools to support wiki editors. By registering a labs account, you'll be able to access the servers on this cluster. Servers in the labs cluster have access to several databases "slaves" (read-only copies of the MySQL databases) for all language Wikipedias, Commons and even this site: Meta.

To register an account, fill out the [new user registration form](#) on [wikitech.wikimedia.org](#). The "Instance shell account name" will be the username that you use when accessing the servers through SSH.

WMF Labs signup page. [The WMF Labs registration page](#)

WMF Labs signup confirmation.

Common issues [\[edit \]](#)

- Make sure that you don't include any spaces or underscores (" ") in your shell username.

If you include invalid characters in your shell account name, you may see an error like this: **Account creation error: There was either an authentication database error or you are not allowed to update your external account.**

In Ubuntu and Mac OSX, this can be accomplished quite simply through a utility called `ssh-keygen`. By typing in that command, you'll be prompted for some more information. For example (from Ubuntu):

```
$ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/home/halfak/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/halfak/.ssh/id_rsa.
Your public key has been saved in /home/halfak/.ssh/id_rsa.pub.
The key fingerprint is:
6e:63:4a:66:8b:67:4f:90:31:7c:f0:bc:69:50:4a:00
The key's randomart image is:
+--[ RSA 2048]-----+
|  E...o .          |
|   o *            |
|    * +          |
|     * o         |
|      o S        |
|       +         |
|      + *        |
|     =o* .       |
|    .oo..        |
+-----+

```

It's up to you whether you'd like to set a passphrase or not. A good rule of thumb is to set a passphrase if anyone else has access to the machine that you will be working from.

By default, running `ssh-keygen` will have created two files for you:

- `id_rsa` - This file is your "private key". Do not give it to anyone else, ever. Do not store it in a public place. You will use this file to prove your identity.
- `id_rsa.pub` - This file is your "public key". You'll be giving this to Wikimedia labs to use to authenticate you.

Step 2: Add your SSH key [\[edit \]](#)

By completing your user registration, you'll automatically be added to a queue of new accounts awaiting approval. While this approval is happening we can move onto the next step: filing your SSH key in [the wikitech preferences section](#).

Wikimedia Labs servers do not allow you to login using a password. Instead, you'll be using a cryptographically secure public and private "key" pair. If you don't already maintain a public and private key, you'll need to generate them.

Quick how-to: Generating your SSH keys

[\[Expand\]](#)

To add your SSH key, go to [this wikitech preferences section](#). (Alternately, from the wikitech site, click the "Preferences" link in the upper-right corner and select the "Open Stack tab".)

Click "Add public SSH key" and you'll be presented with a text box. Copy and paste your **public** SSH key's content into this box and hit submit. **Note:** if you generated the key above, the file you want to paste in is `id_rsa.pub`



SSH key preferences. Click "Add public SSH key" here.



Add SSH key form. Copy-paste your **public** key here.



Pasted SSH key. Your pasted SSH key should look like this.

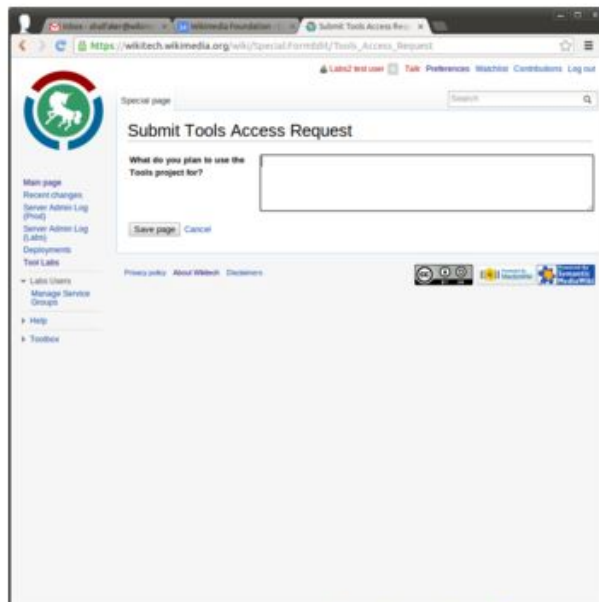
Common issues [\[edit \]](#)

- If you accidentally pasted your **private** key's content into the box. Delete it from your preferences and generate a new public and private key pair.

Step 3: Request access to the Tool Labs project [\[edit \]](#)

Tool Labs is a project group within **Wikimedia Labs** that is organized by and for Wikipedia tool developers. Historically, they have graciously allowed us researchers to share their development resources for doing research and analysis.

To request access to the tool labs account, fill out [this access request form](#). Make sure to note that you're planning to participate in a research hackathon for L².



The screenshot shows a web browser window with the URL https://wikitech.wikimedia.org/wiki/Special:FormID/Tools_Access_Request. The page title is "Submit Tools Access Request". The main content area contains a text input field with the placeholder text "What do you plan to use the Tools project for?". Below the input field are "Save page" and "Cancel" buttons. The left sidebar contains a navigation menu with items like "Main page", "Recent changes", "Server Admin Log (Prod)", "Server Admin Log (Lab)", "Deployments", "Tool Labs", "Lab2 Users", "Manage Service Groups", "Help", and "Toolbox".

Tool Labs access request form. [Application form](#)



The screenshot shows a web browser window with the URL https://wikitech.wikimedia.org/wiki/Nova_Resource:Tools/Access_Request/Lab2_test_user. The page title is "Nova Resource:Tools/Access Request/Lab2 test user". The main content area shows the user profile for "Lab2 test user" with a "User Name" field containing "Lab2 test user". Below this is a section titled "What would you like to use your Tool Labs account for?" with a text input field containing "Nova Resource:Tools/Access Request/Lab2 test user". There is also a section titled "Has this request been completed by an admin?" with a text input field containing "false". The left sidebar is similar to the first screenshot, showing navigation options for the Tool Labs project.

Tool Labs access request.

freenode

- #huggle
- #mediawiki
- #wikidata
- #wikimedia-ai
- #wikimedia-analytics
- #wikimedia-collabora..
- #wikimedia-commtech
- #wikimedia-design
- #wikimedia-dev
- #wikimedia-kawaii
- #wikimedia-labs
- #wikimedia-mobile
- #wikimedia-office
- #wikimedia-operation..
- #wikimedia-research
- #wikimedia-staff
- #wikimedia-stewards
- #wikipedia-snuggle
- #wikiprojectx
- #wmhack
- #wpmentorship
- DarTar-away
- SlashNET
- #cscw

 rted following SGE reboot | Channel is logged: <http://bots.wmflabs.org/~wm-bot/logs/%23wikimedia-labs/>

O ops, 187 total

```

[10:24:04] * lzia (~leila@c-67-188-214-56.hsd1.ca.comcast.net) has joined
[10:26:29] wikibugs Labs: Write some labs tests that monitor login and sudo permissions -
https://phabricator.wikimedia.org/T127716#2051454 (Andrew)
[10:27:57] wikibugs Labs: Move labs auth.logs to central logging - https://phabricator.wiki
media.org/T127717#2051476 (Andrew)
[10:28:47] * hashar is now known as hasharAway
[10:29:03] * DarTar (~DarTar@wikimedia/DarTar) has joined
[10:29:48] * nuria (uid41877@gateway/web/irccloud.com/x-qaunuchecksxcxjer) has joined
[10:33:31] shinken-wm RECOVERY - Puppet staleness on tools-webgrid-lighttpd-1204 is OK: OK:
Less than 1.00% above the threshold [3600.0]
[10:36:13] * Youni (~olbr@177.52.193.158) has joined
[10:36:26] Youni Hi Everyone!
[10:38:34] * tom29739 (~tom29739@wikipedia/tom29739) has joined
[10:38:35] Youni A new user johnsmith2167 came on Friday to vandalize my [[user:Youni
Veciti/Memo cmd]] page.
[10:40:09] Youni sorry : https://wikitech.wikimedia.org/wiki/User:Youni_Veciti/Memo_cmd
vandalized by him : https://wikitech.wikimedia.org/wiki/User:Johnsmith
2167
[10:45:19] * tphummel has quit (Quit: tphummel)
[10:55:39] * marxarelli (~marxarell@wikimedia/dduval-wmf) has joined
[10:57:37] * Alchimista has quit (Ping timeout: 250 seconds)
[10:58:22] * eranroz (~Thunderbi@188.120.154.61) has joined
[11:00:52] * yurik (~yurik@mediawiki/Yurik) has joined
[11:03:05] * dbrant has quit (Ping timeout: 252 seconds)
[11:11:03] * yurik has quit (Ping timeout: 250 seconds)
[11:11:14] * lzia is now known as leila
[11:12:21] * tgr|away is now known as tgr
[11:12:28] * DarTar has quit (Ping timeout: 240 seconds)
[11:14:31] * Guest70061 has quit (Ping timeout: 250 seconds)
[11:15:20] * dennyvrandecic (~dennyvrand@nat/google/x-wpmcqogiqahfwum) has joined
[11:15:42] * dennyvrandecic has quit (Ping timeout: 276 seconds)
[11:16:58] * chasemp (chasemp@2600:3c02:f03c:91ff:fe6e:f6f5) has joined
[11:16:58] * chasemp is now known as Guest53854
[11:25:23] * DarTar (~DarTar@wikimedia/DarTar) has joined
[11:26:18] * mutante|afk is now known as mutante
[11:28:14] Luke081515 bd808: currently here?
[11:28:36] bd808 In meetings this morning Luke081515
[11:28:57] Luke081515 ok, then I would ping you later ;)
[11:29:00] Luke081515 it's not urgent
[11:30:59] * bearloga (~bearloga@wikimedia/mpopov-wmf) has joined
[11:33:24] * dbrant (~dbrant@wikimedia/dbrant-wmf) has joined
[11:33:49] * Deskana|Away is now known as Deskana
[11:33:50] * dbrant is now known as dbrant|brb
[11:35:53] * Luke081515 is now known as Luke081515|away
[11:41:30] * DarTar is now known as DarTar-away
[11:41:34] * hannes_roest has quit (Ping timeout: 244 seconds)
[11:46:02] * hasharAway has quit (Quit: My Mac has gone to sleep. ZZZzzz...)

```

- labs-morebots
- wm-bot
- _acs_
- _fortis
- _joe_
- a930913
- AaronSchulz
- abartov
- abian
- addshore
- akoopal
- AlexZ
- almereyda
- Alphos
- andrewbogott
- AndyRussG
- anomie
- ashley
- aude
- AzaToth
- Barras
- Barras2
- bblack
- bd808
- bearloga
- benestar
- Betacommand
- brion
- Cherif_
- chippy
- closedmouth
- Coren

halfak

In summary

1. Figure out that you want SQL access (**Institutional knowledge**)
 - a. Also find my documentation on how to get it
2. Sign up with Wikitech.wikimedia.org (**Wiki literacy**)
3. File a request for shell access and tools access (**Wiki literacy**)
4. Generate & upload your cryptographic keys (**CLI & Encryption literacy**)
5. Connect to IRC to ask for approval (**IRC literacy**)
6. Use complex proxy configuration to SSH to tool labs (**SSH literacy**)
7. Use command-line utilities to connect and query the database (**CLI literacy**)

In summary

1. Figure out that you want SQL access (**Institutional knowledge**)
 - a. Also find my documentation on how to get it
2. Sign up with Wikitech.wikimedia.org (**Wiki literacy**)
3. File a request for shell access and tools access (**Wiki literacy**)
4. Generate & upload your cryptographic keys (**CLI & Encryption literacy**)
5. Connect to IRC to ask for approval (**IRC literacy**)
6. Use complex proxy configuration to SSH to tool labs (**SSH literacy**)
7. Use command-line utilities to connect and query the database (**CLI literact**)

And then, figure out how SQL works!

How does Quarry help?

Get a Wik

Create account

Username [\(help me choose\)](#)

Enter your username

Password

Enter a password

Confirm password

Enter password again

Email address (optional)

Enter your email address

To edit this page, please enter the words that appear below in the box ([more info](#)):

CAPTCHA Security check

snobkinda

[Refresh](#)

Enter the text you see above

Can't see the image? [Request an account](#)

[Create your account](#)

Wikipedia is made by people like you.



815,165,463

edits



5,086,639

articles



133,339

recent contributors

Get a Wik

Create account

Username [\(help me choose\)](#)

Enter your username

Password

Enter a password

Confirm password

Enter password again

Email address (optional)

Enter your email address

To edit this page, please enter the words that appear below in the box ([more info](#)):

CAPTCHA Security check

snobkinda

[Refresh](#)

Enter the text you see above

Can't see the image? [Request an account](#)

[Create your account](#)

Wikipedia is made by people like you.



815,165,463

edits



5,086,639

articles



133,339

recent contributors



Get a Wik

Create account

Username [\(help me choose\)](#)

Enter your username

Password

Enter a password

Confirm password

Enter password again

Email address (optional)

Enter your email address

To edit this page, please enter the words that appear below in the box ([more info](#)):

CAPTCHA Security check

snobkinda

[Refresh](#)

Enter the text you see above

Can't see the image? [Request an account](#)

[Create your account](#)

Wikipedia is made by people like you.



815,165,463

edits



5,086,639

articles



133,339

recent contributors



Quarry beta

Run SQL queries against Wikipedia & other databases from your browser!

Login with Wikimedia

By logging in, you agree to the [Wikimedia Labs Terms of Use](#)

Quarry beta

Run SQL queries against Wikipedia & other databases from your browser!

Login with Wikimedia

By logging in, you agree to the [Wikimedia Labs Terms of Use](#)

Hi EpochFail,

In order to complete your request, **SQL Quarry** needs permission to access information on *meta.wikimedia.org* on your behalf. No changes will be made with your account.

[Privacy policy](#)

Allow

Cancel



10 pages from English Wikipedia

This query is marked as a draft by [EpochFail](#). [Publish](#)

[Click to add description...](#)

SQL

```
SELECT * FROM page LIMIT 10;
```

By running queries you agree to the [Labs ToS](#) and you irrevocably agree to release your SQL under [CC0 License](#).

[Submit Query](#)

Query status: **complete**

Resultset (10 rows)

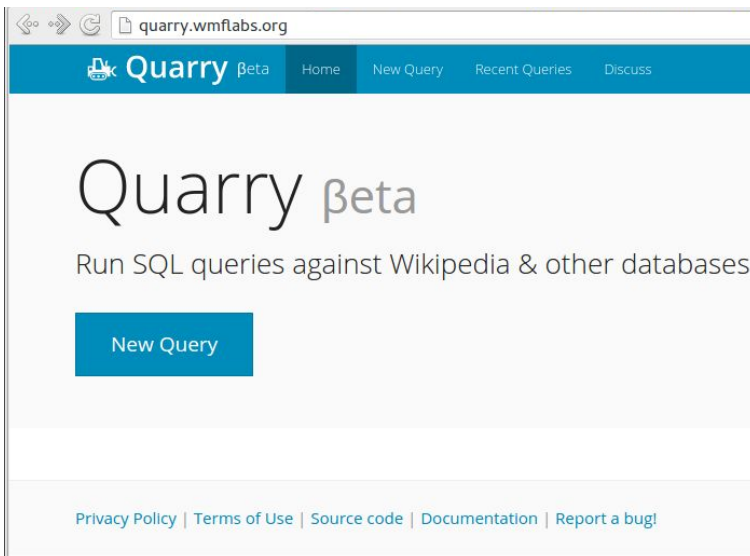
[Download data](#)

Search:

page_id	page_namespace	page_title	page_restrictions	page_counter	page_is_redirect	page_is_new	page_random	page_touch
10	0	AccessibleComputing		0	1	0	0.33167112649574004	20160214195
12	0	Anarchism		5252	0	0	0.786172332974311	20160222054
13	0	AfghanistanHistory		5	1	0	0.0621502865684687	20160221152
14	0	AfghanistanGeography		0	1	0	0.952234464653055	20151115172
15	0	AfghanistanPeople		4	1	0	0.574721494293512	20160215042
18	0	AfghanistanCommunications		8	1	0	0.7510681513241201	20150923235

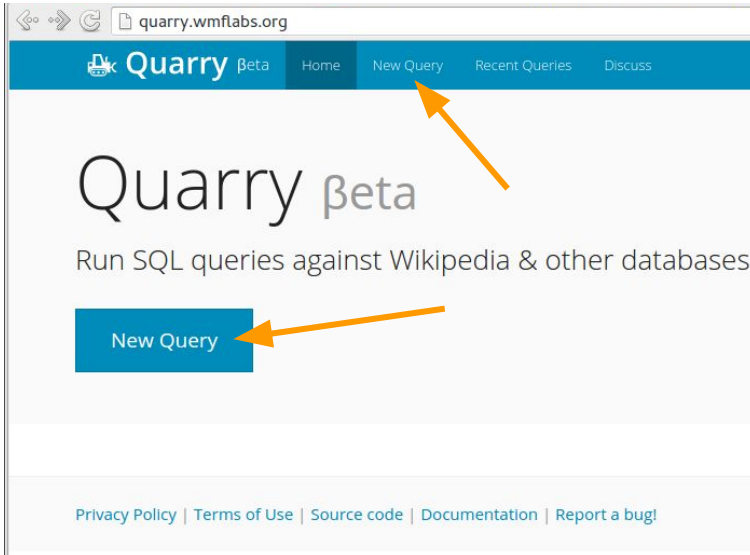
How does Quarry work?

Run queries, Share results

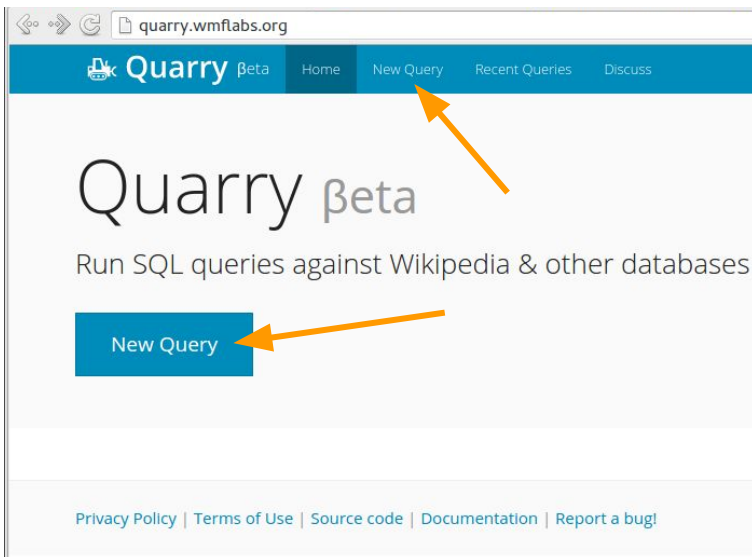


The screenshot shows the Quarry website interface. At the top, there is a browser address bar with the URL "quarry.wmflabs.org". Below the address bar is a blue navigation bar with the "Quarry beta" logo and menu items: "Home", "New Query", "Recent Queries", and "Discuss". The main content area features the heading "Quarry beta" and the subtitle "Run SQL queries against Wikipedia & other databases". A prominent blue button labeled "New Query" is positioned below the subtitle. At the bottom of the page, a footer contains links for "Privacy Policy", "Terms of Use", "Source code", "Documentation", and "Report a bug!".

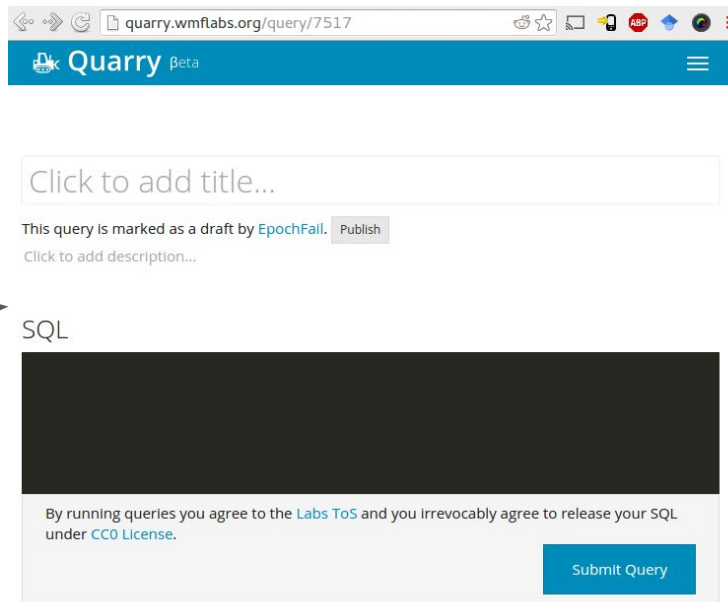
Run queries, Share results



Run queries, Share results



The screenshot shows the homepage of Quarry beta at quarry.wmflabs.org. The navigation bar includes links for Home, New Query, Recent Queries, and Discuss. The main heading is "Quarry beta" with the tagline "Run SQL queries against Wikipedia & other databases". A prominent blue "New Query" button is located below the heading. At the bottom, there are links for Privacy Policy, Terms of Use, Source code, Documentation, and Report a bug! Two orange arrows point to the "New Query" link in the navigation bar and the "New Query" button.



The screenshot shows the query editor interface for a specific query (ID 7517) at quarry.wmflabs.org/query/7517. The interface includes a title input field with the placeholder "Click to add title...", a status message "This query is marked as a draft by EpochFail." with a "Publish" button, and a description input field with the placeholder "Click to add description...". Below these is a large black area labeled "SQL" for entering the query. At the bottom, there is a disclaimer: "By running queries you agree to the Labs ToS and you Irrevocably agree to release your SQL under CCO License." and a blue "Submit Query" button.

10 pages from English Wikipedia



This query is marked as a draft by EpochFail. [Publish](#)

[Click to add description...](#)

SQL

```
SELECT * FROM page LIMIT 10;
```



By running queries you agree to the [Labs ToS](#) and you irrevocably agree to release your SQL under [CC0 License](#).

Submit Query

Query status: **complete**

Resultset (10 rows)

Download data

Search:



page_id	page_namespace	page_title	page_restrictions	page_counter	page_is_redirect	page_is_new	page_random	page_touch
10	0	AccessibleComputing		0	1	0	0.33167112649574004	20160214195
12	0	Anarchism		5252	0	0	0.786172332974311	20160222054
13	0	AfghanistanHistory		5	1	0	0.0621502865684687	20160221152
14	0	AfghanistanGeography		0	1	0	0.952234464653055	20151115172
15	0	AfghanistanPeople		4	1	0	0.574721494293512	20160215042
18	0	AfghanistanCommunications		8	1	0	0.7510681513241201	20150923235



10 pages from English Wikipedia

This query is marked as a draft by [EpochFail](#). [Publish](#)

[Click to add description...](#)

SQL

```
SELECT * FROM page LIMIT 10;
```

By running queries you agree to the [Labs ToS](#) and you irrevocably agree to release your SQL under [CC0 License](#).

Submit Query

Query status: **complete**

Resultset (10 rows)

Download data

Search:

page_id	page_namespace	page_title	page_restrictions	page_counter	page_is_redirect	page_is_new	page_random	page_touch
10	0	AccessibleComputing		0	1	0	0.33167112649574004	20160214195
12	0	Anarchism		5252	0	0	0.786172332974311	20160222054
13	0	AfghanistanHistory		5	1	0	0.0621502865684687	20160221152
14	0	AfghanistanGeography		0	1	0	0.952234464653055	20151115172
15	0	AfghanistanPeople		4	1	0	0.574721494293512	20160215042
18	0	AfghanistanCommunications		8	1	0	0.7510681513241201	20150923235



10 pages from English Wikipedia

This query is marked as a draft by [EpochFail](#). [Publish](#)

[Click to add description...](#)

SQL

```
SELECT * FROM page LIMIT 10;
```

By running queries you agree to the [Labs ToS](#) and you irrevocably agree to release your SQL under [CC0 License](#).

[Submit Query](#)

Query status: **complete**

Resultset (10 rows)

[Download data](#) Search:

page_id	page_namespace	page_title	page_restrictions	page_counter	page_is_redirect	page_is_new	page_random	page_touch
10	0	AccessibleComputing		0	1	0	0.33167112649574004	20160214195
12	0	Anarchism		5252	0	0	0.786172332974311	20160222054
13	0	AfghanistanHistory		5	1	0	0.0621502865684687	20160221152
14	0	AfghanistanGeography		0	1	0	0.952234464653055	20151115172
15	0	AfghanistanPeople		4	1	0	0.574721494293512	20160215042
18	0	AfghanistanCommunications		8	1	0	0.7510681513241201	20150923235

Submit Query

Download data ▾

Search:

TSV

JSON

JSON Lines

CSV

Excel (UTF-16 CSV)

page_is_new	page_rank		
0	0.3316711		
0	0.7861723		
0	0.0621502		
0	0.952234464653055	20151115172!	
0	0.574721494293512	20160215042!	

OK. But what kind of queries might I write?

Quarry beta


Run SQL queries against Wikipedia & other databases

[New Query](#)

[All queries](#)
[Published queries](#)

Title	Author	Status	Last run
10 pages from English Wikipedia	EpochFail	complete	11 minutes ago
Orphaned fair use images (en)	B	complete	22 minutes ago
lonely UKR-geo ro.wiki articles in Wikidata	XXN	complete	1 hour ago
ru silrada articles without uk IW	XXN	complete	1 hour ago
Breakdown of all Commons Admins by edit count	Fæ	complete	2 hours ago
Redirect categories on plwiki	The Polish	complete	2 hours ago
Unexisting templates on plwiki	The Polish	complete	2 hours ago
Unexisting categories on plwiki	The Polish	complete	2 hours ago
Deletion discussions missing transclusion on plwiki	The Polish	complete	2 hours ago
Empty categories on plwiki	The Polish	complete	2 hours ago
Wrong links in articles on plwiki	The Polish	complete	2 hours ago
Untitled query #2193	The Polish	complete	2 hours ago
Empty article talks on plwiki	The Polish	complete	2 hours ago
Wikidata descriptions consisting only of one character (all languages)	Matěj Suchánek	failed	3 hours ago

[All queries](#)
[Published queries](#)

Title	Author	Status	Last run
10 pages from English Wikipedia	EpochFail	complete	11 minutes ago
Orphaned fair use images (en)	B	complete	22 minutes ago
lonely UKR-geo ro.wiki articles in Wikidata	XXN	complete	1 hour ago
ru silrada articles without uk IW	XXN	complete	1 hour ago
Breakdown of all Commons Admins by edit count	Fæ	complete	2 hours ago
Redirect categories on plwiki	The Polish	complete	2 hours ago
Unexisting templates on plwiki 	The Polish	complete	2 hours ago
Unexisting categories on plwiki	The Polish	complete	2 hours ago
Deletion discussions missing transclusion on plwiki	The Polish	complete	2 hours ago
Empty categories on plwiki	The Polish	complete	2 hours ago
Wrong links in articles on plwiki	The Polish	complete	2 hours ago
Untitled query #2193	The Polish	complete	2 hours ago
Empty article talks on plwiki	The Polish	complete	2 hours ago
Wikidata descriptions consisting only of one character (all languages)	Matěj Suchánek	failed	3 hours ago

Unexisting templates on plwiki

[★ Star](#)

This query has been published by [The Polish](#).

SQL

```
USE plwiki_p;
SELECT CONCAT('# [https://pl.wikipedia.org/w/index.php?title=Specjalna%3ALinkuj%C4%99ce&hidelinks=1&target=Szablon:',tl_title,'&namespace=0 ',tl_title,']')
FROM page, templatelinks
WHERE tl_from_namespace = 0
AND tl_namespace = 10
AND page_id = tl_from
AND tl_title NOT LIKE 'Toc'
AND tl_title NOT LIKE 'Tc'
AND NOT EXISTS
(SELECT * FROM page AS p1
WHERE p1.page_namespace = tl_namespace
AND p1.page_title = tl_title)
GROUP BY tl_title
ORDER BY count_tl_title DESC, tl_title ASC;
```

All SQL code is licensed under [CC0 License](#).

Query status: **complete**

Resultset (1 rows)

[Download data](#)

Search:

tl_title



count_tl_title



[https://pl.wikipedia.org/w/index.php?title=Specjalna%3ALinkuj%C4%99ce&hidelinks=1&target=Szablon:Flagicon&namespace=0 Flagicon] 1

Showing 1 to 1 of 1 entries

New pages by month

[★ Star](#)

This query has been published by [Shbib Al-Subaie](#).

SQL

```
use arwiki_p;
SELECT left(t4.rev_timestamp,6) as Menesis, count(left(t4.rev_timestamp,6)) as Raksti
FROM revision AS t4
WHERE t4.rev_id IN (

Select min(t45.rev_id)
From revision t45
inner join page p on t45.rev_page=p.page_id
where p.page_namespace=0 and p.page_is_redirect=0
group by t45.rev_page
having min(t45.rev_id)
order by min(t45.rev_id) desc
)
GROUP BY left(t4.rev_timestamp,6)
```

All SQL code is licensed under [CC0 License](#).

Query status: **complete**

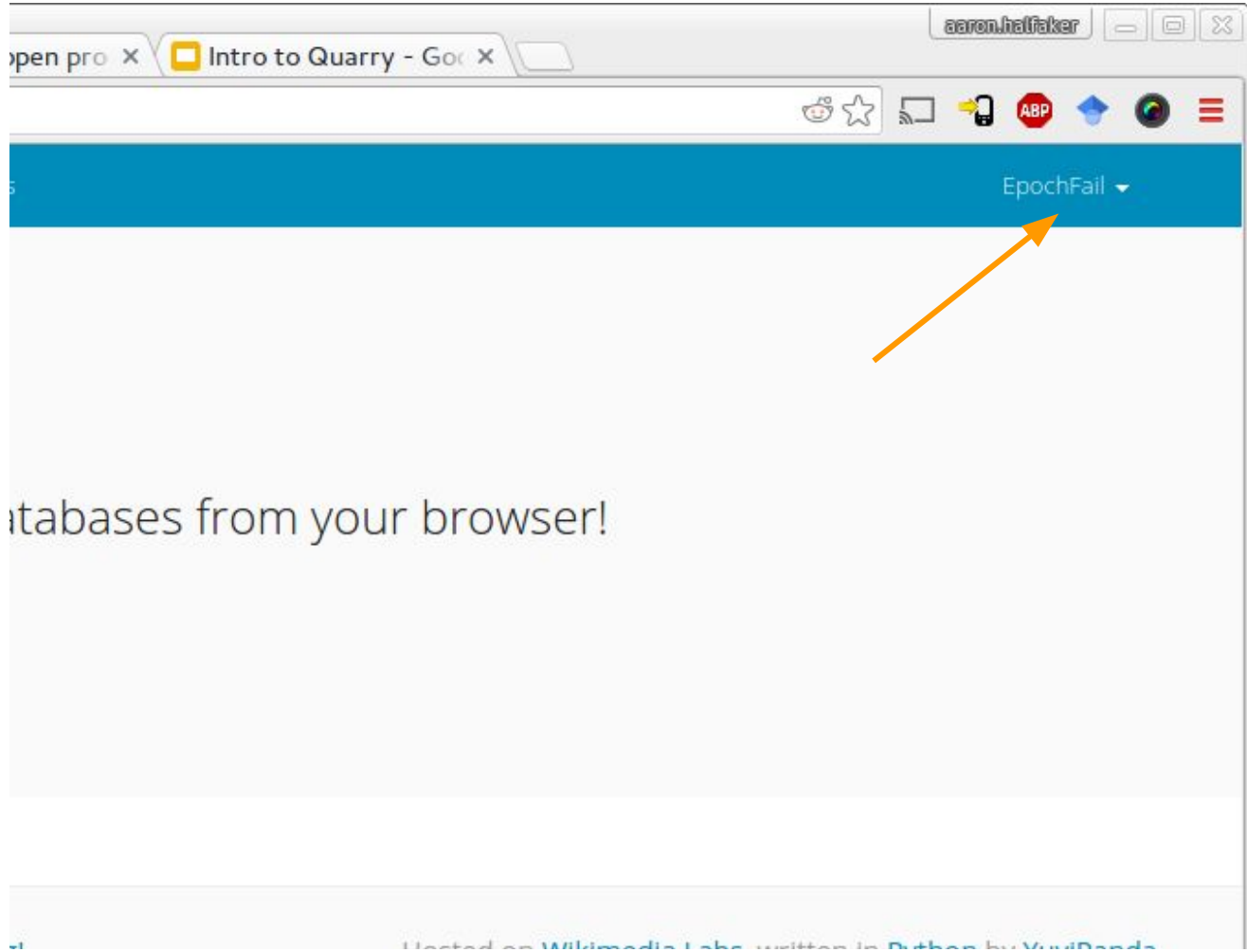
Resultset (153 rows)

[Download data ▾](#)

Show entries

Search:

Menesis ↕	Raksti ↕
200101	591
200307	2
200308	3
200309	2



EpochFail ▾



atabases from your browser!

The image shows a browser window with three tabs: "Engineering open pro", "Intro to Quarry - Go", and "The AI February 201". The user's name "aaron.halfaker" is visible in the top right corner. The browser's address bar and various extension icons are also present. The main content area features a blue navigation bar with "Queries" and "Discuss" links. A dropdown menu is open, showing "EpochFail" with a downward arrow, and two options: "My profile" and "Log out". An orange arrow points to the "My profile" option. Below the navigation bar, the text "& other databases from your browser!" is displayed. At the bottom of the page, there is a footer with the text "on | Report a bug!" and "Hosted on Wikimedia Labs, written in Python by YuviPanda".

& other databases from your browser!

EpochFail

[User page](#) | [Talk page](#)

136

Queries

Published queries

[WikiProject Medicine stub talk pages associated with redirects.](#) 5 months ago

[Get most recently edited Active research projects](#) 6 months ago

[List recent edits to Research Projects on Meta.](#) 6 months ago

[Enwiki drafts and daily new drafts](#) 7 months ago

Starred Queries

This user has not starred any queries yet.

Draft Queries

[Untitled query #7517](#) 9 minutes ago

[Untitled query #7516](#) 11 minutes ago

[10 pages from English Wikipedia](#) 16 minutes ago

[Random sample of 500k edits for Urdu Wikipedia \(2015\)](#) 5 days ago

[Untitled query #7424](#) 5 days ago

[Random 500 size-changing article edits \(Feb 2016\)](#) 6 days ago

[Untitled query #7260](#) 1 week ago

[Untitled query #7155](#) 3 weeks ago

[Untitled query #7124](#) 3 weeks ago

[Distinct client edit patterns in Wikidata](#) 3 weeks ago

[Random sample of 20k edits for Persian Wikipedia \(2015-2016\)](#) 4 weeks ago

[Random sample of 20k edits for Hebrew Wikipedia \(2015\)](#) 4 weeks ago

[Untitled query #7045](#) 4 weeks ago

Questions?

<https://quarry.wmflabs.org>