

RUNNING THE CUSTOM MEDIAWIKI APP WITH DOCKER

Following are the steps to run the application using Docker.

- Clone the below git repository

<https://github.com/batman1911/custom-mediawiki.git>

- Run the Dockerfile using the below command

`docker build -t custom-mediawiki:v1 .`

- Check if the docker image has been built.

```
D:\AWS-DEVOPS\custom-mediawiki>docker images custom-mediawiki:v1
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
custom-mediawiki    v1           0564f6ed01d4     13 hours ago    767MB
```

- Run the container using the below command.

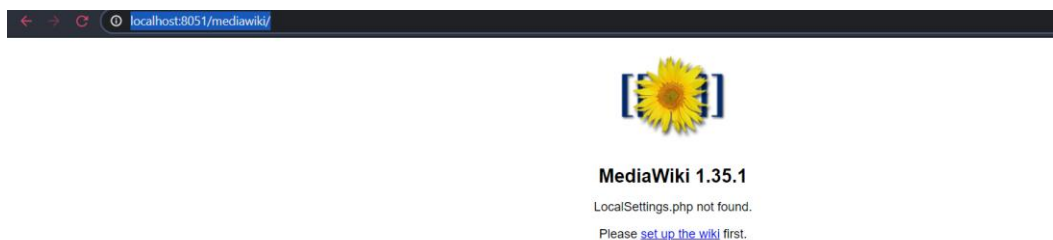
`docker run -d -p 8051:80 --name custom-mediawiki custom-mediawiki:v1`

- Run a MySQL container using the below command.

```
docker run -d -p 8052:3306 -e MYSQL_ROOT_PASSWORD="your_root_password" -e
MYSQL_DATABASE="wikidb" -e MYSQL_USER="wiki" -e
MYSQL_PASSWORD="your_wiki_user_password" --name custom-mysql mysql
```

- Test and Configure

In the web browser, hit the URL <http://localhost:8051>



- Click Setup & proceed to the installation page. Verify if all the conditions are met and Mediawiki is ready to be installed.

MediaWiki 1.35.1 installation

Welcome to MediaWiki!

MediaWiki is a free and open-source wiki software package written in PHP. It serves as the platform for Wikipedia and the other Wikimedia projects, serving hundreds of millions of people each month. MediaWiki is localised in over 350 languages and its reliability and robust feature set have earned it a vibrant community of third-party users and developers.

Environmental checks

Basic checks will now be performed to see if this environment is suitable for MediaWiki installation. Remember to include this information if you need to ask for help on how to complete the installation.

- PHP 7.4.6 is installed.
- **Warning:** Could not find [APCu](#) or [WinCache](#).
Object caching is not enabled.
- GNU diff3 text comparison utility not found. You can ignore this for now, but might run into edit conflicts more frequently.
- Found GD graphics library built-in.
Image thumbnailing will be enabled if you enable uploads.
- Git version control software not found. You can ignore this for now. Note Special:Version will not display commit hashes.
- Using server name "http://localhost:8051".
- Using server URL "http://localhost:8051/mediawiki".
- **Warning:** The [PHP intl extension](#) is not available to handle Unicode normalization, falling back to slow pure-PHP implementation.
If you run a high-traffic site, you should read on [Unicode normalization](#).

The environment has been checked. You can install MediaWiki.

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- On the Database type, choose the type of database which is in our case MySQL.
- Enter the Database host address as your local IP and add the port to the number that we gave for forwarding. (8540).

Database type:

☒ MariaDB, MySQL, or compatible
☐ SQLite

MariaDB/MySQL settings

Database host:
[help](#)

Identify this wiki

Database name (no hyphens):
[help](#)

Database table prefix (no hyphens):
[help](#)

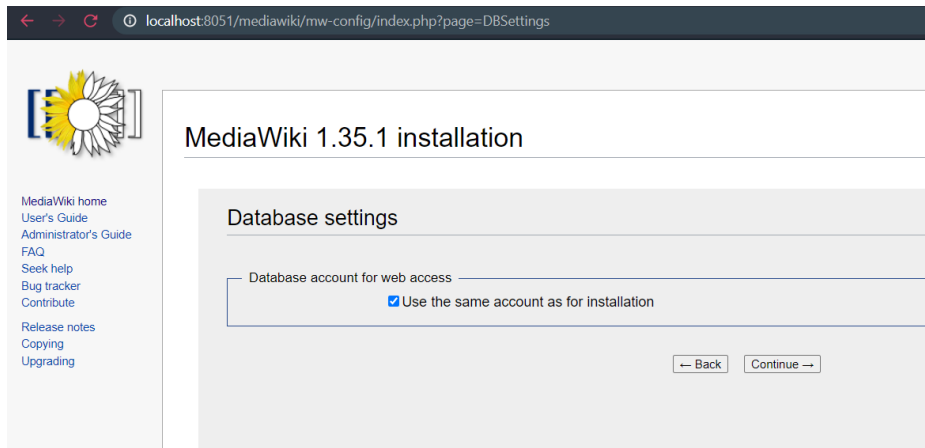
User account for installation

Database username:
[help](#)

Database password:
[help](#)

[← Back](#) [Continue →](#)

- Click continue to use the same account for installation.



MediaWiki 1.35.1 installation

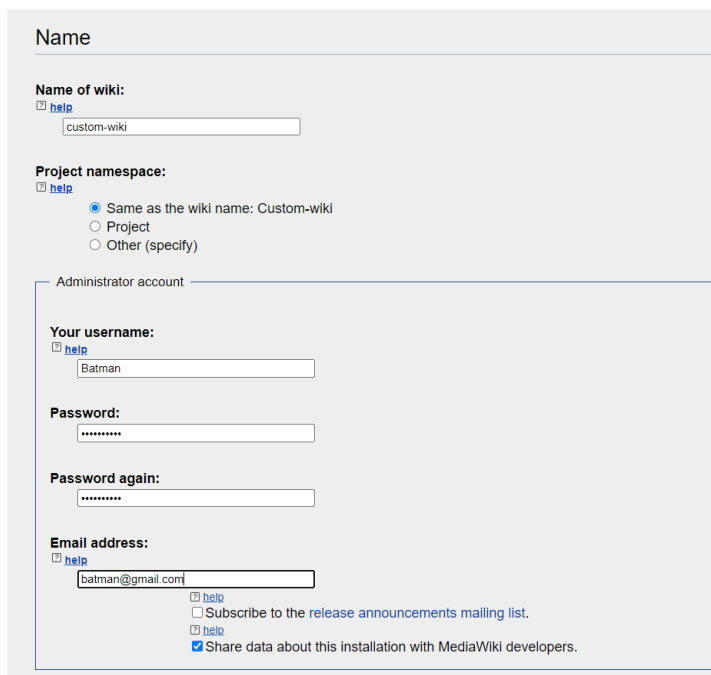
Database settings

Database account for web access

☒ Use the same account as for installation

[← Back](#) [Continue →](#)

- Provide the below values and choose **I'm bored already, just install the wiki** to complete the installation skipping other questions.



Name

Name of wiki:

[help](#)

custom-wiki

Project namespace:

[help](#)

☒ Same as the wiki name: Custom-wiki

☐ Project

☐ Other (specify)

Administrator account

Your username:

[help](#)

Batman

Password:

Password again:

Email address:

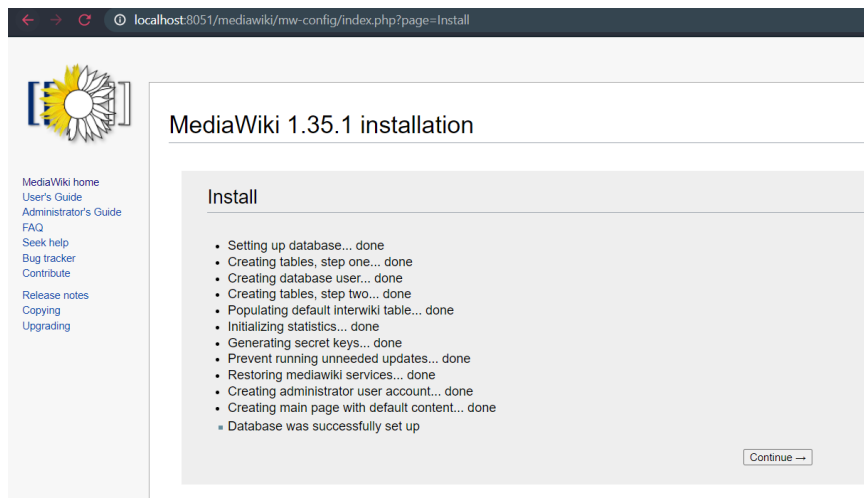
[help](#)

batman@gmail.com

☐ [help](#) Subscribe to the [release announcements mailing list](#).

☒ [help](#) Share data about this installation with MediaWiki developers.

- Click on Continue once the installation is completed.



- Finally, the **LocalSetting.php** will automatically get downloaded from the browser notifying the installation to be successful.

