Getting started-How to raise your first patch

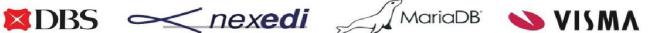
Rutuja Surve MariaDB Foundation

















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The MariaDB Foundation

Supporting continuity and open collaboration

Please support us to guarantee that our mission succeeds!

Getting Started for Developers

Find development projects to work on:

JIRA has a list of unresolved and unassigned issues: https://jira.mariadb.org/

List of beginner friendly tasks also available

https://mariadb.com/kb/en/library/contributing-code/

https://mariadb.com/kb/en/library/project-suggestions/

https://mariadb.com/kb/en/library/plans-for-mariadb-104/

Join <u>maria-developers</u> and write to the maria-developers@lists.launchpad.net for questions or suggestions

Ask any questions on: #maria channel on freenode in IRC

Get the Code, Build it, Test it

Maria DB Server is hosted on GitHub: https://github.com/Maria DB/server.

Prerequisites: Git and Cmake

Fork and clone the repo: git clone https://github.com/MariaDB/your-username/server

Install dependencies: apt-get build-dep mysql-server && apt-get install libgnutls28-dev

Configure the build: cmake to generate makefiles for compiling the server

cmake.-DCMAKE_BUILD_TYPE=Debug

Compile: make -j5

Testing the server: cd mysql-test

./mtr --parallel=5 --mem --force --max-test-fail=0

https://mariadb.org/get-involved/getting-started-for-developers/get-code-build-test/

Writing Good Test Cases for MariaDB Server

Starting point for writing test cases: mysql-test/main

.test and .result files for tests should be located here

mysql-test-run.pl supports special extensions:

Output a message into the test result via --echo < Message >

Test error cases: If a statement is required to fail, use --error <error-name>

Create a test case is to create a file in the mysql-test/main/ directory

Run the test-case: ./mtr <test-case-name> --record

--record creates a .result file for the test that is run

Good practices for test cases:

https://mariadb.org/get-involved/getting-started-for-developers/writing-good-test-cases-mariadb-server/

Submitting a Pull Request

Clone the fork of the server on your local machine

Create a development branch for the feature or bug fix

- Code the patch, write a test case for it. Record the result of the test, running the full test suite
- Commit the patch, including the test and result files.
- Follow the guidelines for writing a good commit message.
- Push the changes to your repository
- Go to Github to initiate a pull request

https://mariadb.org/get-involved/getting-started-for-developers/submitting-pull-request/

Thank You