

The MariaDB Jupyter Kernel

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FOSDEM
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[117]: `select 'FIRST RELEASE!';`

FIRST RELEASE!

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[]: `v0.1.0`

First Community Contributions in v0.1.0

- **Seth Shelnutt @ TileDB**

Bug fixes and setuptools-scm automatic versioning

- **Mike Waterman**

Code formatting bugs

- **Jeremy Fennema @ marketamerica | SHOP.com**

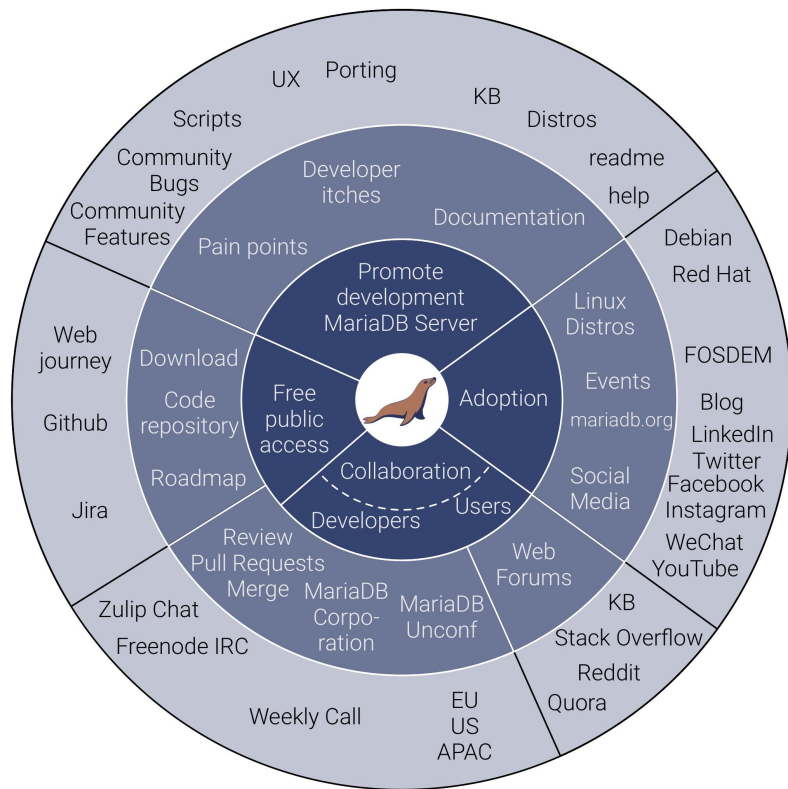
Early testing, excellent feedback, valuable use-cases

v0.1.0 Main Features

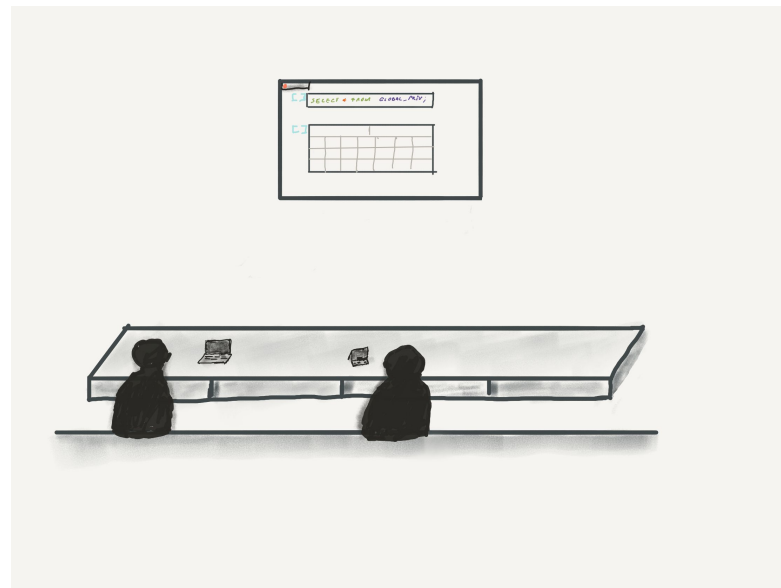
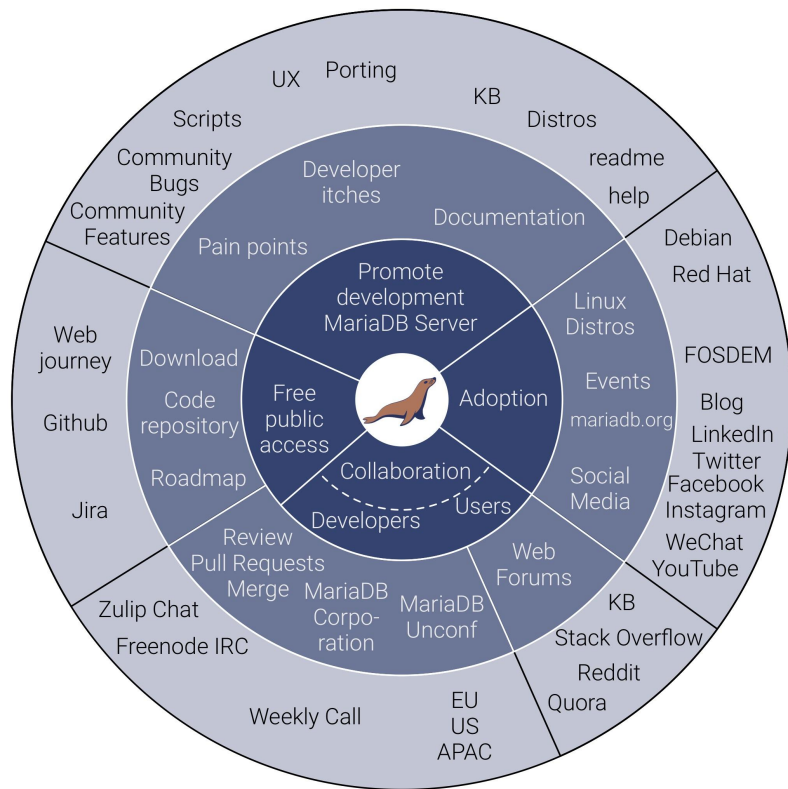
- Behave like a normal **mariadb>** client

Note: some glitches here and there, e.g. progress report from queries such as *LOAD DATA* is not properly displayed

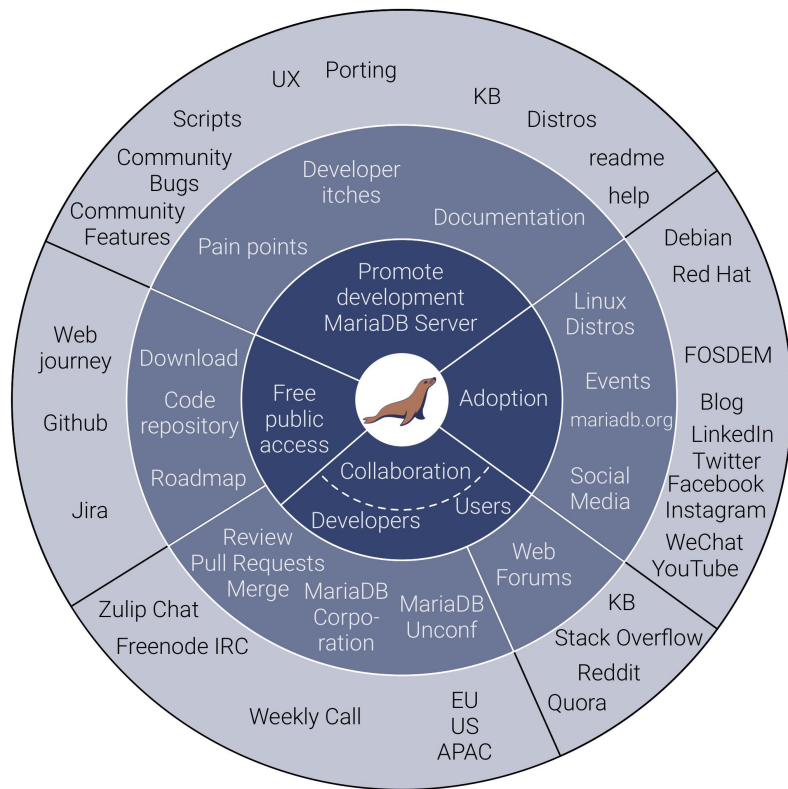
- Run magic commands (*%line*, *%bar*, *%pie*) to chart the result of the last *SELECT*
- *%lsmagic* to display the supported magics and some helpful information
- *%df* to write the last *SELECT* into a CSV file
- *mariadb_config.json* kernel configuration
- Automatically start a MariaDB server if none is detected running
- DataFrame-like rendering for query results



Installation Demo

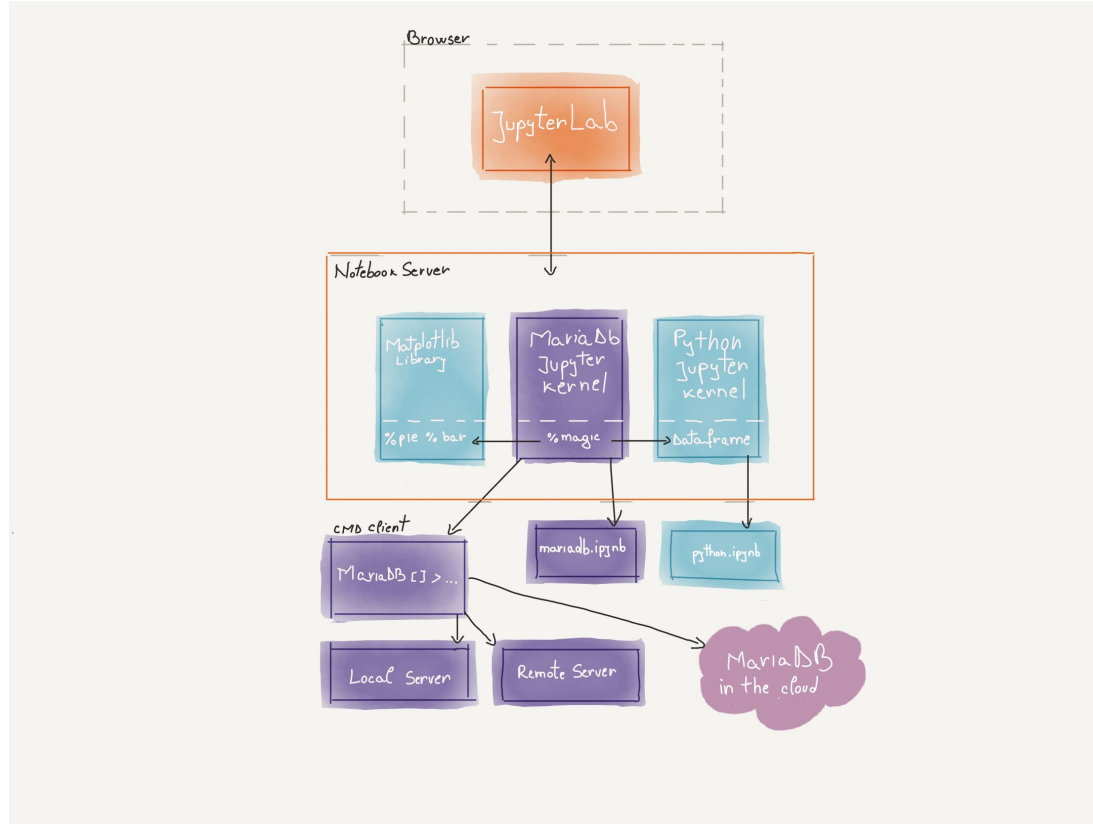


Live Notebook

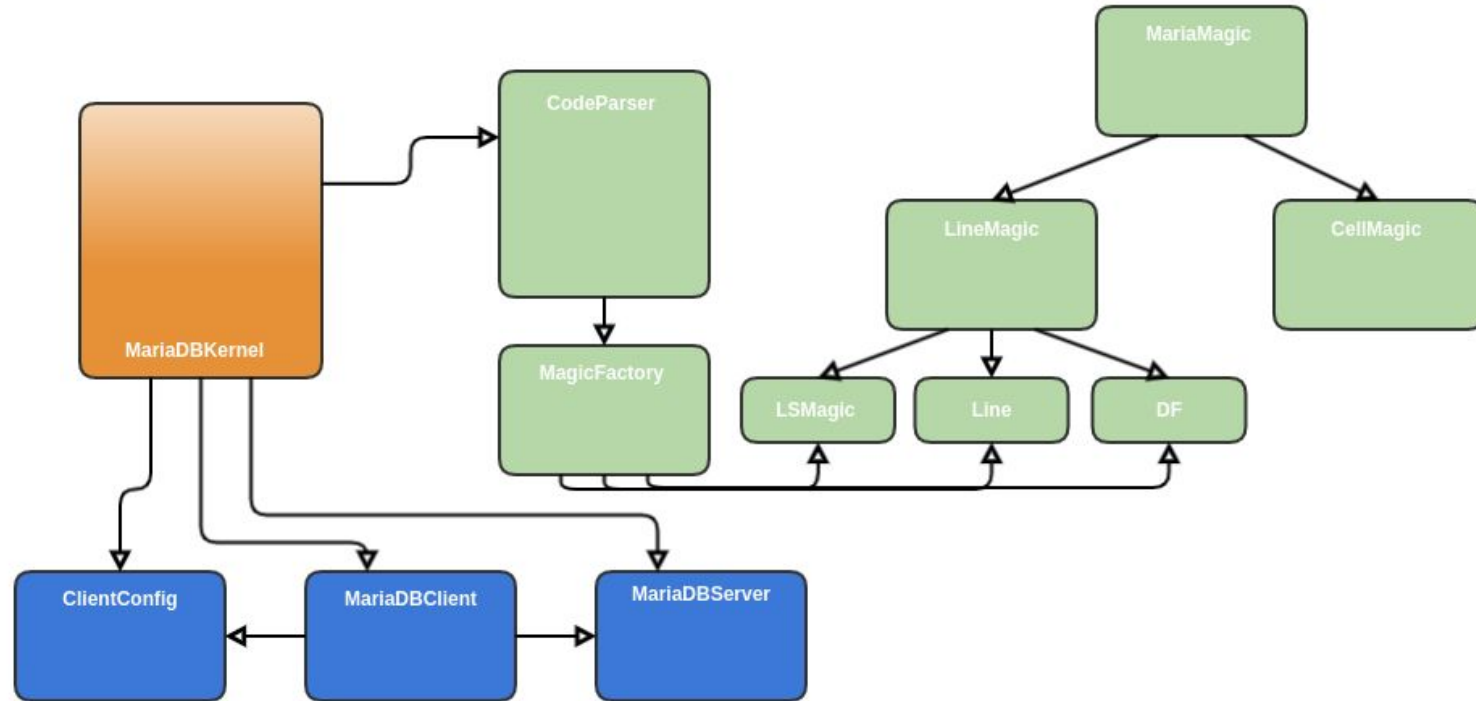


One-click away MariaDB via MyBinder

MariaDB kernel internals



MariaDB kernel internals



I have to try this!

- mariadb_kernel is packaged for PyPI, conda-forge following soon
 1. **python3 -m pip install mariadb_kernel**
 2. **python3 -m mariadb_kernel.install**
- More installation tips at
<https://mariadb.com/kb/en/mariadb-jupyter-kernel-installation/>

Thank You!

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About:

[**mariadb.org/about/staff/robert-bindar/**](https://mariadb.org/about/staff/robert-bindar/)

MariaDB Jupyter Kernel:

[**https://github.com/MariaDB/mariadb_kernel**](https://github.com/MariaDB/mariadb_kernel)