



# Reviewing patches and pull requests in MariaDB

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## What happened since last meetup?

- 139 new pull requests created by 42 contributors (56% YoY growth)
- 144 pull requests closed by 14 reviewers (109% YoY growth)
- 9 new MariaDB Contributor Agreements signed (was 0)
- Includes 26 pull requests created by 5 corporation and foundation employees



## Status of reviewed pull requests

- 110 pull requests were accepted
- 34 not accepted



## Features and bug fixes

- 100 bug fixes
- 39 features



## Complexity

- 101 low
- 32 medium
- 6 high



## Version

- 5.5: 6
- 10.0: 29
- 10.1: 68
- 10.2: 36



# Components

- Scripts (45)
- Server (23)
- Comments (16)
- InnoDB (15)
- Galera (12)
- TokuDB (10)
- Plugins (6)
- Replication (5)
- OQgraph (4)
- Clients (3)



# The reviewers

- **svoj (49)**
- vuvova (29)
- janlindstrom (15)
- **cvicentiu (8)**
- nirbhayc (7)
- holyfoot (6)
- elenst (5)
- vaintroub (4)
- knielsen (4)
- igorbabaev (3)
- spetrunia (1)
- sanja-byelkin (1)
- **ottok (1)**
- abarkov (1)





# The contributors

- grooverdan (46)
- ottok (10)
- iangilifillan (9)
- prohaska7 (7)
- Sp1l (6)
- hholzgra (5)
- Cona19 (4)
- shagalla (3)
- roidelapluie (3)
- 0xAX (3)
- udan11 (2)
- philip-galera (2)
- pastcompute (2)
- jb-boin (2)
- hsk17 (2)
- flynn1973 (2)
- darkain (2)
- DanielDent (2)
- cloos (2)
- ChengXiaoZ (2)
- tanji (1)
- shubhambarais (1)
- seamuslee001 (1)
- SachinSetiya (1)
- pruet (1)
- piotrjurkiewicz (1)
- ohwgiles (1)
- nrolans (1)
- mweigel (1)
- martinstefany (1)
- kolbe (1)
- Klaas- (1)
- GeoffMontee (1)
- frozencemetery (1)
- fmbiete (1)
- FGasper (1)
- eworm-de (1)
- danesh-d (1)
- codarrenvelvindron (1)
- candrews (1)
- adamchainz (1)
- 9EOR9 (1)



# Biggest contributions

- MDEV-4674 - Port daemon\_memcached plugin to MariaDB (GSoC 2015)
- MDEV-9288 - Use POWER8 accelerated crc32
- MDEV-8789 - Implement non-recursive common table expressions
- MDEV-9864 - Implement recursive common table expressions
- MDEV-371 - Long unique constraints using hash index (GSoC 2016)
- MDEV-9197 - Pushdown conditions into non-mergeable views/derived tables



# Getting started for developers

<https://mariadb.org/get-involved/getting-started-for-developers/>



# Ways to contribute code

- **GitHub pull request**  
<https://github.com/MariaDB/server/pulls>
- **JIRA attachment**  
<https://jira.mariadb.org/>
- **E-mail**  
[maria-developers@lists.launchpad.net](mailto:maria-developers@lists.launchpad.net)
- **Flash drive**



## Choosing the right version

- For new features use development version (currently 10.2)
- For security issues and serious bugs use earliest supported version (currently 5.5)
- Reviewer may retarget contribution for a different version



## Coding style

- MariaDB server core mostly follows MySQL Coding Guidelines  
<https://dev.mysql.com/doc/internals/en/coding-guidelines.html>
- Most plugins have their own coding style
- Following coding style is nice for small changes, but is very important for big contributions



## Before submitting pull request

- Make sure it compiles
- Make sure all tests pass

```
cd mysql-test ; ./mtr --force --parallel=4 --mem
```



# Code licensing

- **MariaDB Contributor Agreement**

<https://mariadb.org/get-involved/getting-started-for-developers/mca/>

<https://mariadb.org/get-involved/getting-started-for-developers/mca-faq/>

- **BSD-new**

[https://en.wikipedia.org/wiki/BSD\\_licenses](https://en.wikipedia.org/wiki/BSD_licenses)





## Current review schedule

- We work in sprints, 1 week each
- One 5.5 week / 2 months
- One 10.0 week / 2 months
- Two 10.1 weeks / 2 months
- Four 10.2 weeks / 2 months



## The Difference

- We don't close pull requests without resolution: it is either accepted or declined
- We normally merge pull requests on behalf of contributor
- Code is immediately available after merge
- Reviewing pull requests is our priority



Thanks!

[mariadb.org](http://mariadb.org)

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