

Debian, Ubuntu & MariaDB



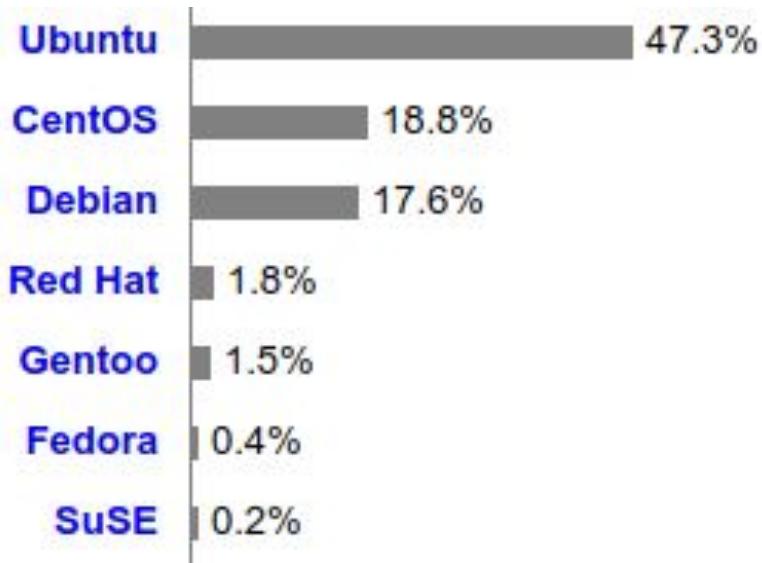
MariaDB post-release
quality assurance in
Debian and Ubuntu

FOSDEM 2021

Follow
[@ottokelainen](https://twitter.com/ottokelainen)
for insight about the
open source world!

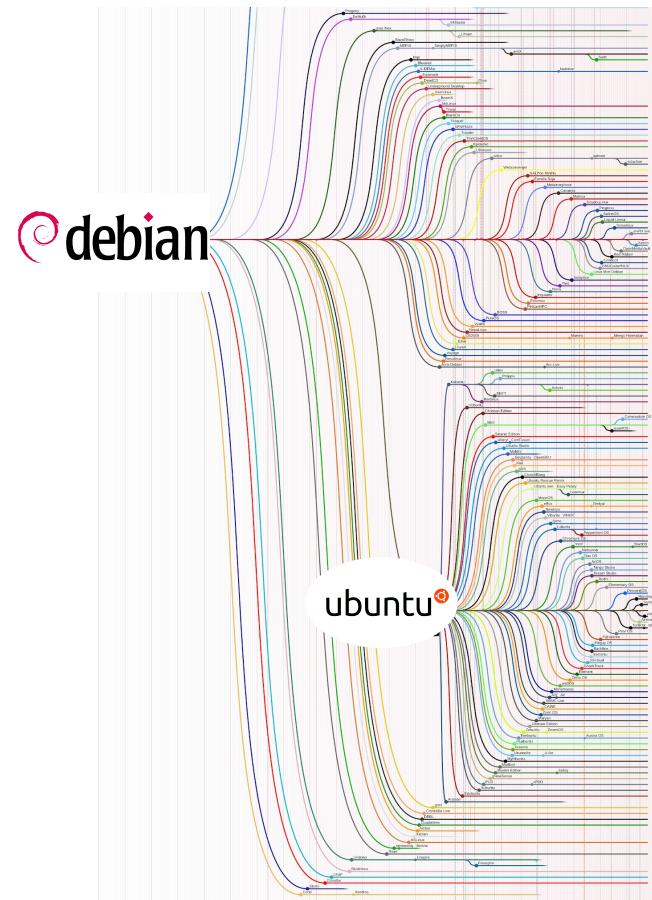
~60 % of web
servers run
Debian or Ubuntu

apt install mariadb-server



Debian

Mother of all (or most)
Linux distros



commons.wikimedia.org/wiki/File:Linux_Distribution_Timeline.svg

State of MariaDB and Galera in Debian

State of MariaDB and MySQL in Debian

- MariaDB 10.3 in *Buster* (latest Debian stable release)
- MariaDB 10.5 in *Bullseye* (next Debian stable release)
- Galera 3 in *Buster*
- Galera 4 in *Bullseye*
 - also in *Buster-backports* and *Stretch-backports*
- No MySQL in stable Debian releases since Jessie
 - Exists in Debian unstable but will not migrate to testing and stable
 - Debian unstable had MySQL 5.7 for years, MySQL 8.0 since fall 2020
- mysql-defaults define the settings
 - **Debian defaults to MariaDB** as decided by the Debian release team
 - **Ubuntu defaults to Oracle MySQL** as decided by Canonical

MariaDB and MySQL timeline

| | GA | |
|-----------------------------|--------------|--|
| | 2008 | MySQL 5.1 shipped in Debian 6 |
| MariaDB 5.1 | 2009 | |
| | 2010 | MySQL 5.5 shipped in Debian 7 and 8 |
| | 2011 | |
| MariaDB 5.5 | 2012 | |
| | 2013 | MySQL 5.6 |
| shipped in Debian 8 | MariaDB 10.0 | 2014 |
| shipped in Debian 9 | MariaDB 10.1 | 2015 |
| | | 2016 |
| | | 2017 |
| | MariaDB 10.2 | 2018 |
| shipped in Debian 10 | MariaDB 10.3 | 2019 |
| | MariaDB 10.4 | 2020 |
| ships in Debian 11 | MariaDB 10.5 | 2020 |

MariaDB versions in Debian/Ubuntu

packages.debian.org/search?lang=en&suite=all&searchon=names&keywords=mariadb-server

Package mariadb-server

- [jessie \(oldstable\)](#) (database): MariaDB database server
(metapackage depending on the latest version)
10.0.38-0+deb8u1 [**security**]: all
- [stretch \(oldstable\)](#) (database): MariaDB database server (metapackage depending on the latest version)
10.1.47-0+deb9u1 [**security**]: all
- [buster \(stable\)](#) (database): MariaDB database server (metapackage depending on the latest version)
1:10.3.25-0+deb10u1 [**security**]: all
- [bullseye \(testing\)](#) (database): MariaDB database server (metapackage depending on the latest version)
1:10.5.8-3: all
- [sid \(unstable\)](#) (database): MariaDB database server (metapackage depending on the latest version)
1:10.5.8-3: all

packages.ubuntu.com/search?lang=en&suite=all&searchon=names&keywords=mariadb-server

Package mariadb-server

- [xenial \(16.04LTS\)](#) (database): MariaDB database server
10.0.38-0ubuntu0.16.04.1 [**security**]: all
- [xenial-updates](#) (database): MariaDB database server (n
10.0.38-0ubuntu0.16.04.1: all
- [bionic \(18.04LTS\)](#) (database): MariaDB database server
1:10.1.47-0ubuntu0.18.04.1 [**security**]: all
- [bionic-updates](#) (database): MariaDB database server (n
1:10.1.47-0ubuntu0.18.04.1: all
- [focal \(20.04LTS\)](#) (database): MariaDB database server (i
1:10.3.25-0ubuntu0.20.04.1 [**security**]: all
- [focal-updates](#) (database): MariaDB database server (m
1:10.3.25-0ubuntu0.20.04.1: all
- [groovy \(20.10\)](#) (database): MariaDB database server (m
1:10.3.25-0ubuntu1: all
- [hirsute](#) (database): MariaDB database server (metapac
1:10.3.25-0ubuntu1: all

Debian packaging process briefly

Release flow in Debian

- There is a copy of MariaDB sources at salsa.debian.org/mariadb-team/
- Tool “uscan” is used to check for new upstream releases = a new **tar.gz package** to download and import into Debian
- Packaging is done into the **debian/** directory
 - Upstream release: 10.5.8
 - Debian revision: 10.5.8-3
- Only **Debian Developers** can **upload** to the Debian archive

The screenshot shows a terminal window titled "mariadb-10.5: -all - gitk" displaying a git log. The log entries are as follows:

- feature/stretch-backports-extended-tests remotes/origin/feature/stri
Clean away columnstore sources during build and ignore all CS issues Sync debian/* changes from upstream 10.5.7 release Clean away from d/copyright files that are no longer in the sources Update changelog and refresh patches after 10.5.7 import Update upstream source from tag 'upstream/10.5.7'
- upstream/10.5.7 New upstream version 10.5.7
- feature/gbp-filter Filter out ColumnStore when importing new upstream Filter out extra 3rd party sources directly when importing new upstream
- temp Clean away from d/copyright files that are no longer in the sources Filter away ColumnStore that is currently not build in Debian Update changelog and refresh patches after 10.5.7 import Update upstream source from tag 'upstream/10.5.7'
- 10.5.7 New upstream version 10.5.7
- Filter out extra 3rd party sources directly when importing new upstream Fix FTCBFS: Add native libssl-dev to Build-Depends (Closes: #973388) Salsa-Cl: salsa-ci-team/pipeline#173 seems fixed, stop allowing failure Revert back to 1fc0f45a as the armhf build failure was due to GCC bug Open new changelog entry
- tag... Update changelog for 1:10.5.6-2 release Salsa-Cl: Allow myssl-8.0 tests to fail as already install fails
- Revert ef125437: Negated and non-negated archs should not be combined
- remotes/origin/master-next Revert "Salsa-Cl: Circumvent Bug#9725: Fix 9ed1388c9: Correctly exclude both armhf AND non-linux Switch to using system OpenSSL (Closes: #787118)

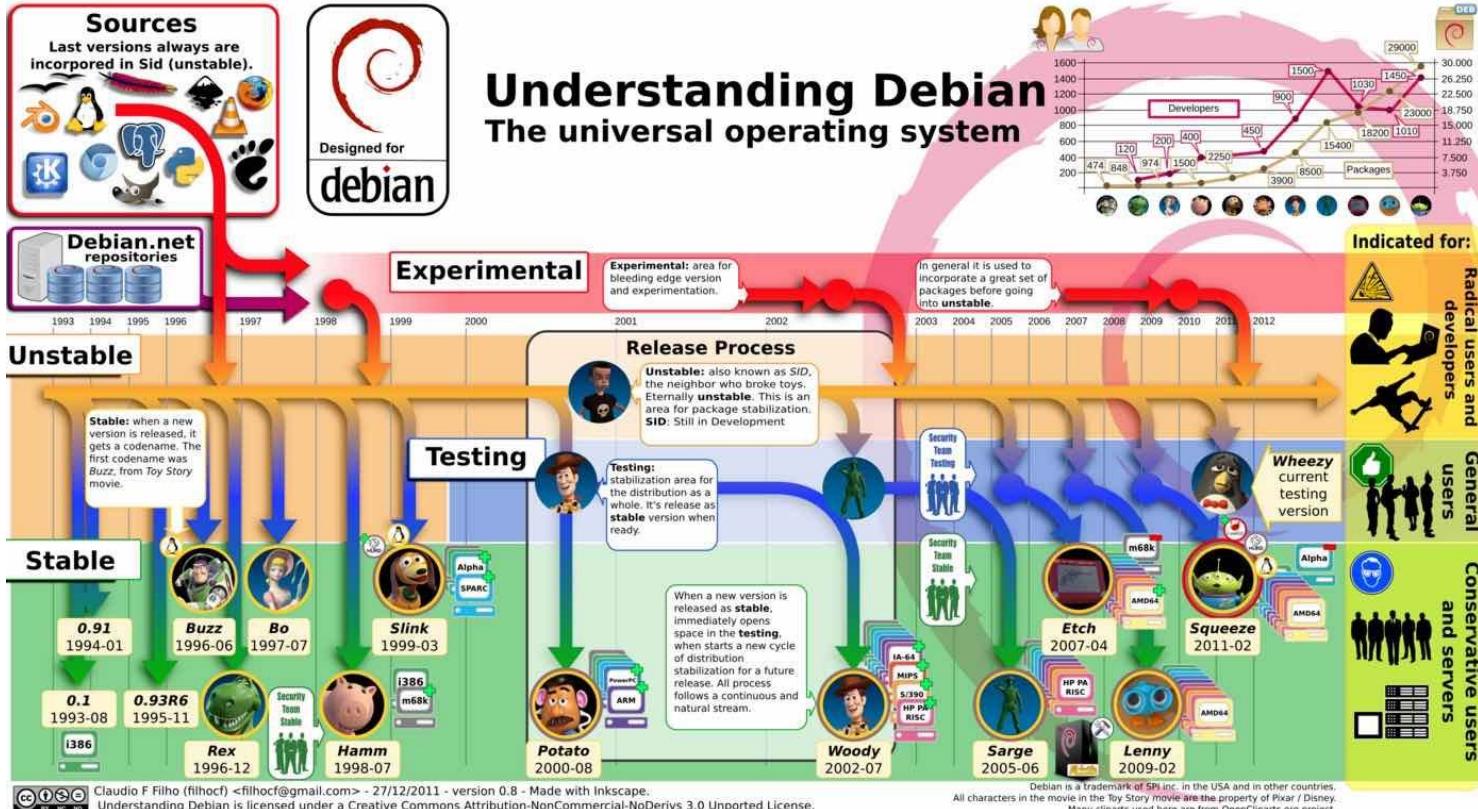
Below the log, there is a SHA1 ID field containing "02ba0c669be25a6257ec7714f0d60f3b2114ab10", a "Find" button, a "commit containing:" input, and a "Row" counter set to 6/ 1574. The interface includes tabs for "Patch" and "Tree", and a "Comments" section with "debian/changelog".

The bottom part of the window shows a diff viewer for the "debian/changelog" file, comparing two versions of the changelog. The changes are:

```
index b33c64cee..7b88a6835 100644
@@ -1,3 +1,9 @@
+mariadb-10.5 (1:10.5.8-2) unstable; urgency=medium
+
+ * Fix FTBFS on mipsel/mips64el due to test main.drop failure
+
+ -- Otto Kekäläinen <otto@debian.org> Tue, 17 Nov 2020 17:07:55 +0
+
mariadb-10.5 (1:10.5.8-1) unstable; urgency=medium

[ Otto Kekäläinen ]
```

Debian archives: unstable -> testing -> stable



Security releases cause challenges for quality assurance

The screenshot shows a standard web browser interface with the following details:

- Header:** About Debian, Getting Debian, Documentation, Support, Developers' Corner.
- Breadcrumbs:** / security information / 2020 / security information -- dsa-4776-1 mariadb-10.3
- Title:** Debian Security Advisory
- Section:** DSA-4776-1 mariadb-10.3 -- security update
- Date Reported:** 20 Oct 2020
- Affected Packages:** mariadb-10.3
- Vulnerable:** Yes
- Security database references:** In Mitre's CVE dictionary: [CVE-2020-15180](#).
- More information:** A security issue was discovered in the MariaDB database server.

www.debian.org/security/2020/dsa-4776

The screenshot shows a standard web browser interface with the following details:

- Header:** CANONICAL, ubuntu®, Enterprise, Developer, Community, Download.
- Breadcrumbs:** Security / Overview, ESM, Livepatch, FIPS, Hardening, Certifications, Notices, OVAL, DO.
- Title:** USN-4603-1: MariaDB vulnerabilities
- Date:** 27 OCTOBER 2020
- Text:** Several security issues were fixed in MariaDB.
- Section:** Releases (Ubuntu 20.04 LTS, Ubuntu 18.04 LTS)
- Section:** Packages (mariadb-10.1 - MariaDB database, mariadb-10.3 - MariaDB database)
- Section:** Details (A remote attacker could use this vulnerability to send a specially crafted file to cause a denial of service. (CVE-2020-13249))
- Text:** It was discovered that MariaDB has other security issues. An attacker can cause a hang or frequently repeatable crash (denial of service). (CVE-2020-15180, CVE-2020-2752, CVE-2020-2760, CVE-2020-2812, CVE-2020-2814)
- Text:** In addition to security fixes, the updated packages contain bug fixes, new features, and possibly incompatible changes.
- Section:** Update instructions
- Text:** The problem can be corrected by updating your system to the following package versions:

ubuntu.com/security/notices/USN-4603-1

The Debian Policy

Linux distributions love stability, standards and quality!

The Debian Policy Manual alone spans 150 pages

Developers' manuals

- [Debian Policy Manual](#)
- [Debian Developer's Reference](#)
- [Guide for Debian Maintainers](#)
- [Debian New Maintainers' Guide](#)
- [Introduction to Debian packaging](#)
- [Debian Menu System](#)
- [Introduction to i18n](#)
- [Debian Installer internals](#)
- [Guide for database using package maintainers](#)
- [Policy for packages using databases](#)

Quality Assurance for all packages in Debian

Packager summaries of MariaDB and MySQL in Debian

- Maintainer dashboard
 - udd.debian.org/dmd/?pkg=mysql-maint%40lists.alioth.debian.org
- Packages overview
 - [https://qa.debian.org/developer.php?email\(pkg=mysql-maint%40lists.alioth.debian.org\)](https://qa.debian.org/developer.php?email(pkg=mysql-maint%40lists.alioth.debian.org))
- Selected tracker pages:
 - tracker.debian.org/pkg/mariadb-10.3
 - tracker.debian.org/pkg/mariadb-10.5
 - tracker.debian.org/pkg/galera-4

Packages overview for Debian MySQL Maintainers

<pkg-mysql-maint@lists.alioth.debian.org>

| Source Package | Bugs | | Version | | | | | Ubuntu | VCS | Buildd | Lintian E+W | Deb check | Piu parts | CI | Popcon | Watch |
|-------------------------|--------------|----|-----------|--------------------------------------|---|------------------|------------------|--|-----------------------------------|--------------------|----------------|--------------|--------------|---------------|--------|---------|
| | All | RC | oldstable | stable | testing | unstable | exp | | | | | | | Rep | | |
| galera-3* | - | - | 25.3.19-2 | 25.3.25-2 | 25.3.31-2 | - | - | 25.3.31-2 | Git ✓ ✓ | ✓~✓✓✓✓✓~✗✓~✗✗✗ | 0+1 | ✓ | X | ±(±) | 27290 | 25.3.31 |
| galera-4* | 4 | ■ | - | 26.4.5-1~bpo9+1 26.4.5-1~bpo10+1 | 26.4.6-1 | - | - | 26.4.6-1 | Git ✓ ✓ | ✓~✓✓✓✓✓~✗✓~✗✗✗ | 0+2 | ✓ | ✓ | ±(±) FTBFS | 998 | 26.4.6 |
| mariadb-10.1* | 11 | ■ | - | 10.1.45-0+deb9u1 10.1.47-0+deb9u1 | - | - | - | - | - | Buildd Logs | ✓ | ✓ | ✓ | fail(fail) | 110510 | - |
| mariadb-10.3* | 8 | ■ | 1 | - | 1:10.3.23-0+deb10u1 1:10.3.25-0+deb10u1 1:10.3.27-0+deb10u1 | 1:10.3.24-2 | 1:10.3.27-1~exp1 | 1:10.3.25-0u1 8 bugs | Git failed 1:10.3.27-0+deb10u1 | ✓~✓✓✓✓✓~✗✓~✗✗✗ | 3+364 | I | F | ✓✓ FTBFS | 110510 | 10.3.27 |
| mariadb-10.4* | - | ■ | - | - | - | 1:10.4.14-1~exp1 | - | - | Git ✓ ✓ | ✓~✓✓✓✓✓~✗✓~✗✗✗ | 3+363 | ✓ | X | -- | 110510 | 10.4.17 |
| mariadb-10.5* | 26 | ■ | - | - | 1:10.5.8-3 | - | - | - | Git ✓ 1:10.5.8-4 | ✓~✓✓✓✓✓~✗✓~✗✗✗ | 2+26 | ✓ | F | ✓- FTBFS | 110510 | 10.5.8 |
| mariadb-connector-c* | - | ■ | - | 2.3.2-2 | - | - | - | - | - | Buildd Logs | ✓ | ✓ | ✓ | ✓(✓) | 5236 | - |
| mariadb-connector-odbc* | 1 | ■ | - | - | 3.1.9-1~bpo10+1 | 3.1.9-1 | - | 3.1.9-1 | Git ✓ ✓ | ✓✗✗✗✗✗✗✗✗ | ✓ | ✓ | ✓ | -- FTBFS | 81 | 3.1.10 |
| mylvmbackup* | 9 | ■ | - | 0.15-1.1 | - | - | - | 0.15-1.1 2 bugs (1 patch) | Svn ERROR | 1x✓ | 1+5 | S I | ✓ | -- FTBFS | 194 | - |
| mysql-5.7*[RM] | 22 | ■ | 8 | - | Excuse | 5.7.26-1 | - | - | Git l4 failed ✓ | ✓~✓~✓~✓~✓~✗~✓~✓~✓~ | 7+379 | ✓ | ✓ MA | failfail - | 19041 | - |
| mysql-8.0* | 121 (135) | ■ | 1 | - | Excuse | 8.0.21-1 | - | 8.0.22-0u.20.10.2 44 bugs (1 patch) | Git l4 failed ✓ | ✓✓✓✓~✓~✗✓~✓~✗✗ | 6+317 | U | ✓ MA | ✓- - | 19041 | 8.0.22 |
| mysql-connector-c++* | 1 (2) | ■ | - | 1.1.7-4 | 1.1.9-4 | 1.1.12-4 | - | 1.1.12-4u2 1 bug | Git ✓ WARN | 22x✓ | 0+4 | ✓ | ✓ | ✓✓ ✓ | 1428 | 8.0.22 |
| mysql-defaults* | 8 (13) | ■ | - | 1.0.2 | 1.0.5 | - | - | 1.0.5u2 | Git l4 failed ✓ | 23x✓ | ✓ | ✓ | ✓ | -- - | 147203 | - |

The main page for QA
in Debian lists

- versions
- warnings
- bugs
- migration
- excuses

general

source: mariadb-10.5 (main)
version: 1:10.5.8-3
maintainer: Debian MySQL Maintainers (archive) (DMD)
uploaders: Otto Kekäläinen [DMD]
arch: all any
std-ver: 4.5.0
VCS: Git (Browse, QA)

versions

testing: 1:10.5.8-3
unstable: 1:10.5.8-3

versioned links

1:10.5.8-3:

binaries

libmariadb-dev
libmariadb-dev-compat
libmariadb3
libmariadbclient-dev
libmariabdb-dev
libmariabdb19
mariadb-backup
mariadb-client (3 bugs: 0, 2, 1, 0)
mariadb-client-10.5
mariadb-client-core-10.5 (1 bugs: 0, 1, 0, 0)
mariadb-common
mariadb-nlugin-connect

mariadb-10.5

Jump to package...

Go

[Register](#) | [Log in](#)

[Subscribe](#)

bugs

| all: | 26 |
|--------|----|
| RC: | 0 |
| I&N: | 20 |
| M&W: | 5 |
| F&P: | 1 |
| patch: | 0 |
| NC: | 1 |

links

[homepage](#)
[lintian](#) (2, 26)
[buildd](#): [logs](#), [checks](#), [clang](#), [reproducibility](#), [cross](#)
[popcon](#)
[browse source code](#)
[search source code](#)
[edit tags](#)
[other distros](#)
[security tracker](#)
[I10n](#) (81, -)
[debc](#)

action needed

- lintian reports 2 errors and 26 warnings high
- Depends on packages which need a new maintainer normal
- version in VCS is newer than in repository, is it time to upload?
- Fails to build during reproducibility testing normal
- Build log checks report 1 warning low
- Standards version of the package is outdated. wishlist

testing migrations

This package will soon be part of the [auto-openssl](#) transition. You might want to ensure that your package is ready for it. You can probably find supplementary information in the [debian-release archives](#) or in the corresponding [release.debian.org bug](#).

news

- [2020-11-27] [mariadb-10.5 1:10.5.8-3 MIGRATED to testing](#) (Debian testing watch)
- [2020-11-23] [Accepted mariadb-10.5 1:10.5.8-3 \(source\) into unstable](#) (Otto Kekäläinen)
- [2020-11-17] [Accepted mariadb-10.5 1:10.5.8-2 \(source\) into unstable](#) (Otto Kekäläinen)
- [2020-11-13] [Accepted mariadb-10.5 1:10.5.8-1 \(source\) into unstable](#) (Otto Kekäläinen)
- [2020-10-26] [Accepted mariadb-10.5 1:10.5.6-2 \(source\) into unstable](#) (Otto Kekäläinen)
- [2020-10-15] [Accepted mariadb-10.5 1:10.5.6-1 \(source\) into unstable](#) (Otto Kekäläinen)
- [2020-10-09] [Accepted mariadb-10.5 1:10.5.5-3 \(source\) into unstable](#) (Otto Kekäläinen)
- [2020-10-07] [Accepted mariadb-10.5 1:10.5.5-3~exp2 \(source\) into experimental](#) (Otto Kekäläinen)
- [2020-10-07] [Accepted mariadb-10.5 1:10.5.5-3~exp1 \(source\) into experimental](#) (Otto Kekäläinen)
- [2020-10-06] [Accepted mariadb-10.5 1:10.5.5-2 \(source\) into unstable](#) (Otto Kekäläinen)

QA systems in Debian: buildd.debian.org

| Architecture | Version | Status | For | Buildd | State | Section | Logs | Actions |
|------------------|------------|------------------|------------|-------------------|-------------|---------|---------------|----------|
| all | 1:10.5.8-3 | Installed | 8d 22h 46m | x86-grnet-02 | | misc | old all (1) | giveback |
| amd64 | 1:10.5.8-3 | Installed | 8d 22h 28m | x86-conova-01 | | misc | old all (1) | giveback |
| arm64 | 1:10.5.8-3 | Installed | 8d 20h 57m | arm-conova-01 | | misc | old all (1) | giveback |
| armel | 1:10.5.8-3 | Installed | 8d 20h 57m | arm-conova-03 | | misc | old all (1) | giveback |
| armhf | 1:10.5.8-3 | Installed | 8d 21h 47m | arm-ubc-05 | | misc | old all (1) | giveback |
| i386 | 1:10.5.8-3 | Installed | 8d 22h 28m | x86-ubc-01 | | misc | old all (1) | giveback |
| mips64el | 1:10.5.8-3 | Installed | 8d 14h 37m | mipsel-manda-04 | | misc | old all (1) | giveback |
| mipsel | 1:10.5.8-3 | Installed | 8d 9h 37m | eberlin | | misc | old all (1) | giveback |
| ppc64el | 1:10.5.8-3 | Installed | 8d 22h 17m | ppc64el-osuosl-01 | | misc | old all (1) | giveback |
| s390x | 1:10.5.8-3 | Installed | 8d 18h 17m | zani | | misc | old all (1) | giveback |
| alpha ↓ | 1:10.5.8-3 | Build-Attempted | 8d 13h 44m | imago | out-of-date | misc | old all (1) | giveback |
| hppa | 1:10.5.8-3 | Installed | 8d 12h 42m | panama | | misc | old all (1) | giveback |
| hurd-i386 ↓ | 1:10.5.8-3 | Failed | 8d 23h 16m | mahler | uncompiled | misc | old all (1) | giveback |
| ia64 | 1:10.5.8-3 | Installed | 8d 19h 31m | iridium | | misc | old all (1) | giveback |
| kfreebsd-amd64 ↓ | 1:10.5.8-3 | Build-Attempted | 1d 3h 13m | kamp | uncompiled | misc | old all (1) | giveback |
| kfreebsd-i386 | 1:10.5.8-3 | BD-Uninstallable | 8d 23h 32m | | uncompiled | misc | old no log | giveback |
| m68k | 1:10.5.8-3 | Installed | 8d 15h 42m | m68k-gandi-01 | | misc | old all (1) | giveback |
| powerpc | 1:10.5.8-3 | Installed | 8d 22h 12m | kapitsa2 | | misc | old all (1) | giveback |
| ppc64 | 1:10.5.8-3 | Installed | 8d 22h 40m | kapitsa2 | | misc | old all (1) | giveback |
| riscv64 | 1:10.5.8-3 | Installed | 8d 19h 10m | rv-mullvad-02 | | misc | old all (1) | giveback |
| sh4 | 1:10.5.8-3 | Installed | 3d 7h 48m | vs96 | | misc | old all (2) | giveback |
| sparc64 ↓ | 1:10.5.8-3 | Build-Attempted | 8d 22h 5m | sompek3 | out-of-date | misc | old all (1) | giveback |
| x32 | 1:10.5.8-3 | Installed | 8d 21h 51m | x32-do-02 | | misc | old all (1) | giveback |

QA systems in Debian: reproducible-builds.org

mariadb-10.5

Test Details

notes

Test history

Filter by: amd64 i386 arm64 armhf

Suite and Architecture

amd64

- 1:10.5.8-3 in unstable
- unreproducible at 2020-11-24 04:23:00 UTC
- differences (txt | json)
- buildinfo
- rbuild (209KB) build2 (205KB) diff

1:10.5.8-3 in bullseye

i386

- 1:10.5.8-3 in unstable
- 1:10.5.8-3 in bullseye

arm64

- 1:10.5.8-3 in unstable
- 1:10.5.8-3 in bullseye

armhf

- 1:10.5.8-3 in unstable
- 1:10.5.8-3 in bullseye

| /srv/reproducible-results/rbuild-debian/tmp.JZZZ9fSAII/b1/mariadb-10.5_10.5.8-3_amd64.changes vs. /srv/reproducible-results/rbuild-debian/tmp.JZZZ9fSAII/b2/mariadb-10.5_10.5.8-3_amd64.changes | | 30.3 KB |
|---|---|---------|
| Files | | 2.52 KB |
| Offset 20, 20 lines modified | Offset 20, 20 lines modified | |
| 20 468c6bef2442bfff1d5e0c53313460d6 491524 database optional mariadb-plugin-connect_10.5.8-3_amd64.deb | 20 .468c6bef2442bfff1d5e0c53313460d6 491524 database optional mariadb-plugin-connect_10.5.8-3_amd64.deb | |
| 21 .06925e7f0f3754ee89ad5ac4a9f4e07c 5436 debug optional mariadb-plugin-cracklib-password-check-dbgSYM_10.5.8-3_amd64.deb | 21 .06925e7f0f3754ee89ad5ac4a9f4e07c 5436 debug optional mariadb-plugin-cracklib-password-check-dbgSYM_10.5.8-3_amd64.deb | |
| 22 .5cf792b187714f4b911972ea9ea8538 36108 database optional mariadb-plugin-cracklib-password-check_10.5.8-3_amd64.deb | 22 .5cf792b187714f4b911972ea9ea8538 36108 database optional mariadb-plugin-cracklib-password-check_10.5.8-3_amd64.deb | |
| 23 .360f2e6e58949fa12166fec05dd9e61b 25036 debug optional mariadb-plugin-gssapi-client-dbgSYM_10.5.8-3_amd64.deb | 23 .360f2e6e58949fa12166fec05dd9e61b 25036 debug optional mariadb-plugin-gssapi-client-dbgSYM_10.5.8-3_amd64.deb | |
| 24 .f5333e31936d7f0150f183b251443cb3 37000 database optional mariadb-plugin-gssapi-client_10.5.8-3_amd64.deb | 24 .f5333e31936d7f0150f183b251443cb3 37000 database optional mariadb-plugin-gssapi-client_10.5.8-3_amd64.deb | |
| 25 .0add6fc5a8599d1da3e2b2d8ac30a9269 15120 debug optional mariadb-plugin-gssapi-server-dbgSYM_10.5.8-3_amd64.deb | 25 .0add6fc5a8599d1da3e2b2d8ac30a9269 15120 debug optional mariadb-plugin-gssapi-server-dbgSYM_10.5.8-3_amd64.deb | |
| 26 .51863ee71e8ca68bc55fd9eb989ed7e 38508 database optional mariadb-plugin-gssapi-server_10.5.8-3_amd64.deb | 26 .51863ee71e8ca68bc55fd9eb989ed7e 38508 database optional mariadb-plugin-gssapi-server_10.5.8-3_amd64.deb | |
| 27 .8d99b6c373195306325692090f0efd709 7830952 debug optional mariadb-plugin-mroonga-dbgSYM_10.5.8-3_amd64.deb | 27 .8d99b6c373195306325692090f0efd709 7830952 debug optional mariadb-plugin-mroonga-dbgSYM_10.5.8-3_amd64.deb | |
| 28 .8727ea3f1a88078c8d5b6e20f89b9839 1159304 database optional mariadb-plugin-mroonga_10.5.8-3_amd64.deb | 28 .8727ea3f1a88078c8d5b6e20f89b9839 1159304 database optional mariadb-plugin-mroonga_10.5.8-3_amd64.deb | |
| 29 .72f5fa5881da51b3425e836e725d0932 876404 debug optional mariadb-plugin-oqgraph-dbgSYM_10.5.8-3_amd64.deb | 29 .72f5fa5881da51b3425e836e725d0932 876404 debug optional mariadb-plugin-oqgraph-dbgSYM_10.5.8-3_amd64.deb | |
| 30 .e2829eb5296c5c5099f50c5bb81bf19 98180 database optional mariadb-plugin-oqgraph_10.5.8-3_amd64.deb | 30 .e2829eb5296c5c5099f50c5bb81bf19 98180 database optional mariadb-plugin-oqgraph_10.5.8-3_amd64.deb | |
| 31 .f7b280c2758c045a3b5a44fbafc31400 110318448 debug optional mariadb-plugin-rocksdb-dbgSYM_10.5.8-3_amd64.deb | 31 .f7b280c2758c045a3b5a44fbafc31400 110318448 debug optional mariadb-plugin-rocksdb-dbgSYM_10.5.8-3_amd64.deb | |
| 32 .d46bb0ded79fe43922566b3cd48f285b 2469292 database optional mariadb-plugin-rocksdb_10.5.8-3_amd64.deb | 32 .d46bb0ded79fe43922566b3cd48f285b 2469292 database optional mariadb-plugin-rocksdb_10.5.8-3_amd64.deb | |
| 33 .e9b48fcfb01200199168b2b383d0f0153 2562828 debug optional mariadb-plugin-s3-dbgSYM_10.5.8-3_amd64.deb | 33 .e9b48fcfb01200199168b2b383d0f0153 2562828 debug optional mariadb-plugin-s3-dbgSYM_10.5.8-3_amd64.deb | |
| 34 .fe4857c1b36906e8ace936db5215505 799704 database optional mariadb-plugin-s3_10.5.8-3_amd64.deb | 34 .fe4857c1b36906e8ace936db5215505 799704 database optional mariadb-plugin-s3_10.5.8-3_amd64.deb | |
| 35 .063e0b3a7df3dc0cdce0a692886e6005 4197932 debug optional mariadb-plugin-spider-dbgSYM_10.5.8-3_amd64.deb | 35 .063e0b3a7df3dc0cdce0a692886e6005 4197932 debug optional mariadb-plugin-spider-dbgSYM_10.5.8-3_amd64.deb | |
| 36 .f12cc63ed9dd71d05a97a224cfde19 390100 database optional mariadb-plugin-spider_10.5.8-3_amd64.deb | 36 .f12cc63ed9dd71d05a97a224cfde19 390100 database optional mariadb-plugin-spider_10.5.8-3_amd64.deb | |
| 37 .092da31831179762cdc7642f34d4610 29857692 debug optional mariadb-server-10.5-dbgSYM_10.5.8-3_amd64.deb | 37 .092da31831179762cdc7642f34d4610 29857692 debug optional mariadb-server-10.5-dbgSYM_10.5.8-3_amd64.deb | |
| 38 .838592158c664a7898f560b35d042594 4199672 database optional mariadb-server-10.5_10.5.8-3_amd64.deb | 38 .838592158c664a7898f560b35d042594 4199672 database optional mariadb-server-10.5_10.5.8-3_amd64.deb | |
| 39 .dbfa70bc49e1fcdf5f7b1874563d756d 93597432 debug optional mariadb-server-core-10.5-dbgSYM_10.5.8-3_amd64.deb | 39 .dbfa70bc49e1fcdf5f7b1874563d756d 93597432 debug optional mariadb-server-core-10.5-dbgSYM_10.5.8-3_amd64.deb | |

QA systems in Debian: ci.debian.net



| | unstable | testing | stable | oldstable |
|---------|-------------------|-------------------|----------------|----------------|
| amd64 | ? No test data | 👍 1:10.5.8-3 pass | ? No test data | ? No test data |
| arm64 | 👍 1:10.5.6-1 pass | 👍 1:10.5.8-3 pass | ? No test data | ? No test data |
| armhf | 👎 1:10.5.5-2 fail | ? No test data | ? No test data | ? No test data |
| i386 | ? No test data | 👍 1:10.5.8-3 pass | ? No test data | ? No test data |
| ppc64el | ? No test data | 👍 1:10.5.8-3 pass | ? No test data | ? No test data |

testing migrations

This package will soon be part of the [auto-openssl](#) transition. You might want to ensure that your package is ready for it. You can probably find supplementary information in the [debian-release archives](#) or in the corresponding [release.debian.org bug](#).

excuses:

- Migration status for mariadb-10.5 (- to 1:10.5.8-3): BLOCKED: Maybe temporary, maybe blocked but Britney is missing information (check below)
- issues preventing migration:
- missing build on mips64el
- missing build on s390x
- autopktest for audiolink/0.05-4: amd64: [No test results](#), arm64: [No test results](#), armhf: [Test in progress](#), i386: [No test results](#), ppc64el: [No test results](#)
- autopktest for bacula/9.6.6-2: amd64: [Pass](#), arm64: [Test in progress](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for cōturn/4.5.1.3-1: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for courier-authlib/0.69.0-2: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for dbconfig-common/2.0.17: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for dovecot/1.2.3.11.3+dfsg1-2: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for emboss/6.6.0+dfsg8: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for exim4/4.94-9: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for freeradius/3.0.21+dfsg-2: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for gearmand/1.1.19.1+ds-2: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for gnuserv/0.3.3-9: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for gnutepg/sigclient/1.8.1-3: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for hoiel/1.4.16-3: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for icqna2/2.12.1-1: amd64: [No test results](#), arm64: [No test results](#), armhf: [Test in progress](#), i386: [No test results](#), ppc64el: [No test results](#)
- autopktest for inspircd/3.8.0-1: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for libbdd-mariadb-perl/1.21-1: amd64: [No test results](#), arm64: [No test results](#), armhf: [Test in progress](#), i386: [No test results](#), ppc64el: [No test results](#)
- autopktest for libbdd-mysql-perl/4.050-3: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for libreoffice/1.7.0.3-4: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#)
- autopktest for libreoffice/blacklisted: arm64: [Ignored failure](#), ppc64el: [Ignored failure](#)
- autopktest for lighttpd/1.4.56~rc7-1: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for mariadb-10.3/10.3.24-2: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for mariadb-10.5/10.5.8-3: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for mediawiki/1.35.0-1: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for mysql-connector-c++/1.1.12-4: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for neko/2.3.0-1: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for net-snmp/5.9+dfsg3: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for netatalk/3.1.12-ds-5: amd64: [No test results](#), arm64: [No test results](#), armhf: [Test in progress](#), i386: [No test results](#), ppc64el: [No test results](#)
- autopktest for osinvventory-server/2.8+dfsg1-1: amd64: [No test results](#), arm64: [No test results](#), armhf: [Test in progress](#), i386: [No test results](#), ppc64el: [No test results](#)
- autopktest for ora2pg/21.0-2: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for pam-mysql/0.8.1-4: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for postfix/4.3.1.1: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for postfix/3.5.6-1: amd64: [Pass](#), arm64: [Pass](#), armhf: [Test in progress](#), i386: [Pass](#), ppc64el: [Pass](#)
- autopktest for python-testing/mysqld/1.4.0-4: amd64: [No test results](#), arm64: [No test results](#), armhf: [Test in progress](#), i386: [No test results](#), ppc64el: [No test results](#)

Also in Ubuntu: autopkgtest.ubuntu.com

| Ubuntu Autopkgtest | | | | | | |
|------------------------------|--|-------------------------------|---------------|-----------|---|---|
| | | Home | Test list | Running | Statistics | Documentation |
| mariadb-10.3 [hirsute/arm64] | | | | | | |
| Version | Triggers | Date | Duration | Requester | Result | |
| 1:10.3.25-0ubuntu1 | perl/5.32.0-5 | 2020-12-02 20:54:33 UTC | 0h 07m 00s | rballint |  error | log artifacts 🔗 |
| 1:10.3.25-0ubuntu1 | adduser/3.118ubuntu3 | 2020-12-02 15:20:33 UTC | 0h 32m 54s | - |  pass | log artifacts |
| 1:10.3.25-0ubuntu1 | shadow/1:4.8.1-1ubuntu7 | 2020-12-02 13:01:57 UTC | 0h 34m 53s | - |  pass | log artifacts |
| 1:10.3.25-0ubuntu1 | systemd/246.6-5ubuntu1 conntrack-tools/1:1.4.6-1 debootstrap/1.0.12ubuntu2 dpdk/19.11.5-1 dq/20181021-1 gpsd/3.20-12build1 hddmux/0.4-7ubuntu2 libreswan/3.32-3ubuntu2 libvirt-dbus/1.4.0-2 netplan.io/0.100-ubuntu5 nftables/0.9.7-1 nix/2.3.7+dfsg1-1 systemd/0.7.0-4build1 python-dbusmock/0.19-1 samba/2:4.13.2+dfsg-3ubuntu1 tinyssh/20190101-1build1 webhook/2.6.9-1build2 | 2020-11-30 16:01:39 UTC | 0h 50m 03s | - |  pass | log artifacts |
| 1:10.3.25-0ubuntu1 | lsof/4.93.2+dfsg-1.1 | 2020-11-29 20:19:19 UTC | 0h 26m 30s | - |  pass | log artifacts |

Exactly the same
debc /
autopkgtests
tests and runner,
but in the Ubuntu
archive instead.

QA systems in Debian: piuparts.debian.org



POLICY IS YOUR FRIEND. TRUST THE POLICY. LOVE THE POLICY. OBEY THE POLICY.

| General information | | | |
|---|--|-----------------------------------|--|
| About | Source: mariadb-10.5 | piuparts summary: | |
| News | | | Version: 1:10.5.8-3 |
| FAQ | | | |
| Contact us | | | |
| Documentation | | | |
| How to file bugs using templates | Binary: libmariadb-dev | piuparts-result: | successfully-tested 1:10.5.8-3 |
| Debian policy | Binary: libmariadb-dev-compat | piuparts-result: | successfully-tested 1:10.5.8-3 |
| piuparts.d.o configuration: | Binary: libmariadb3 | piuparts-result: | successfully-tested 1:10.5.8-3 |
| piuparts.conf, distros.conf, scripts and logs | Binary: libmariadbclient-dev | piuparts-result: | successfully-tested 1:10.5.8-3 |
| README | Binary: libmariabdb-dev | piuparts-result: | successfully-tested 1:10.5.8-3 |
| README_server | Binary: libmariabdb19 | piuparts-result: | successfully-tested 1:10.5.8-3 |
| piuparts manpage | Binary: mariadb-backup | piuparts-result: | successfully-tested 1:10.5.8-3 |
| mariadb-10.5 in testing2sid | | | |
| | Binary: mariadb-client:all | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-client-10.5 | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-client-core-10.5 | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-common:all | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-plugin-connect | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-plugin-cracklib-password-check | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-plugin-gssapi-client | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-plugin-gssapi-server | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-plugin-mroonga | piuparts-result: | successfully-tested 1:10.5.8-3 |
| | Binary: mariadb-plugin-noronha | piuparts-result: | successfully-tested 1:10.5.8-3 |

Tests installs,
upgrades,
removals etc
package
life-cycle.

QA systems in Debian: Lintian

Command-line tool and website that runs thousands of checks that analyze the package and suggest fixes to the source, packaging or the software itself (e.g. spelling).

Many Lintian found issues are useful to fix for all distros and platforms, not just Debian.

Tags

mariadb-10.5 1:10.5.6-1

- libmariadb-dev-compat_10.5.6-1_amd64.deb

No tags.

- libmariadb-dev_10.5.6-1_amd64.deb

I [development-package-ships-elf-binary-in-path](#) `usr/bin/mariadb_config`

Comment: This is how upstream does it, wont' fix

O [repeated-path-segment](#) `mariadb` `usr/include/mariadb/mariadb/`

- libmariadb3_10.5.6-1_amd64.deb

I [hardening-no-notify-functions](#) `usr/lib/x86_64-linux-gnu/libmariadb3/plugin/dialog.so`

- libmariadb-dev_10.5.6-1_amd64.deb

No tags.

- libmariadb19_10.5.6-1_amd64.deb

I [exit-in-shared-library](#) `usr/lib/x86_64-linux-gnu/libmariadb.so.19`

I [no-symbols-control-file](#) `usr/lib/x86_64-linux-gnu/libmariadb.so.19`

Comment: myisam stopwords that cannot be changed and spelling errors remain

O [spelling-error-in-binary](#) `usr/lib/x86_64-linux-gnu/libmariadb.so.19` `noone` `no one`

Comment: myisam stopwords that cannot be changed and spelling errors remain

O [spelling-error-in-binary](#) `usr/lib/x86_64-linux-gnu/libmariadb.so.19` `thats` `that's`

Comment: myisam stopwords that cannot be changed and spelling errors remain

O [spelling-error-in-binary](#) `usr/lib/x86_64-linux-gnu/libmariadb.so.19` `theres` `there's`

Comment: myisam stopwords that cannot be changed and spelling errors remain

O [spelling-error-in-binary](#) `usr/lib/x86_64-linux-gnu/libmariadb.so.19` `yuR` `your`

- mariadb-10.5_10.5.6-1.dsc

W [dependency-is-not-multi-archified](#) `libmariadb-dev-compat` depends on `libmariadb-dev` (multi-arch: no)

W [dependency-is-not-multi-archified](#) `mariadb-plugin-gssapi-client` depends on `mariadb-client-10.5` (multi-arch: no)

W [globbing-patterns-out-of-order](#) `extra/readline/**/CMakeLists.txt`

W [globbing-patterns-out-of-order](#) `libmariadb/lib/* */CMakeLists.txt`

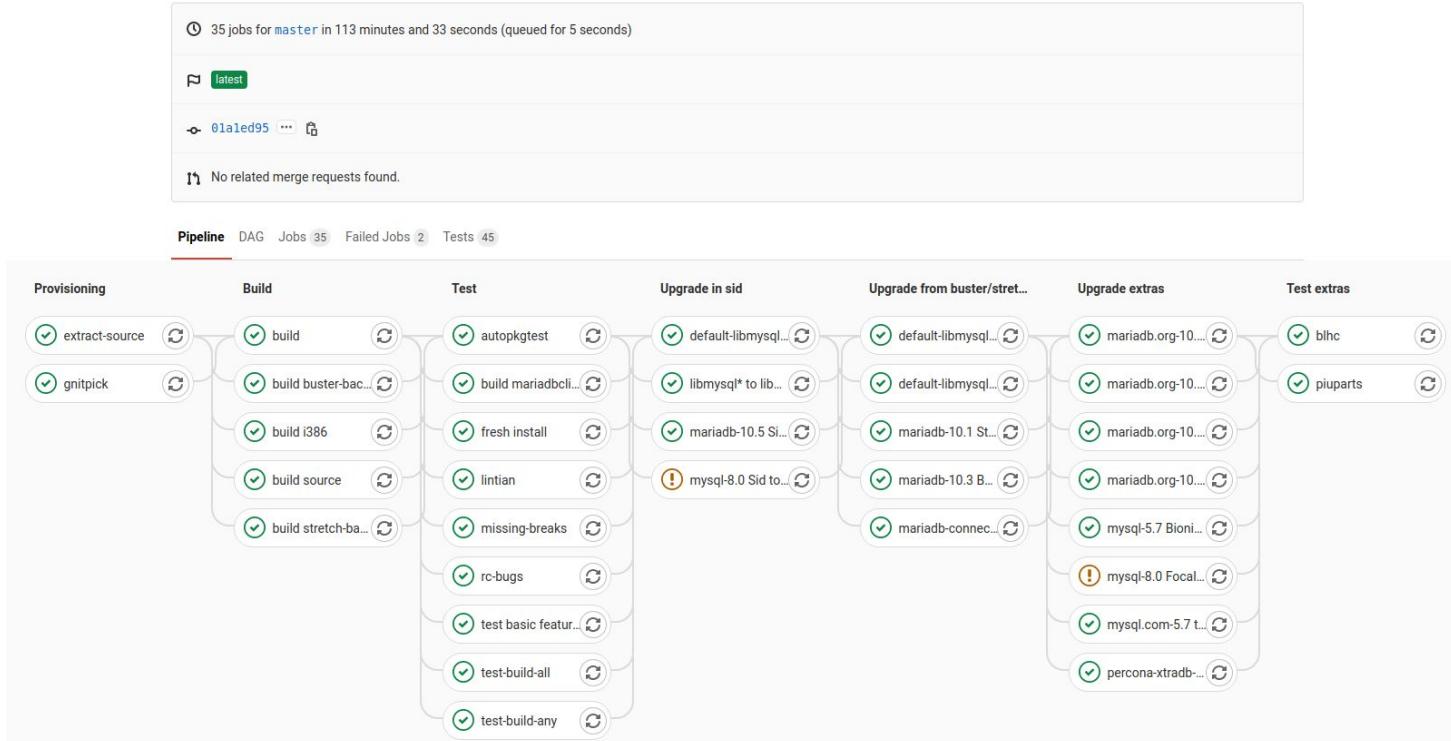
W [globbing-patterns-out-of-order](#) `plugin/audit_null/**/CMakeLists.txt`

W [globbing-patterns-out-of-order](#) `plugin/auth_gssapi/**/CMakeLists.txt`

Quality Assurance MariaDB only in Debian

Debian specific CI system with 45 steps

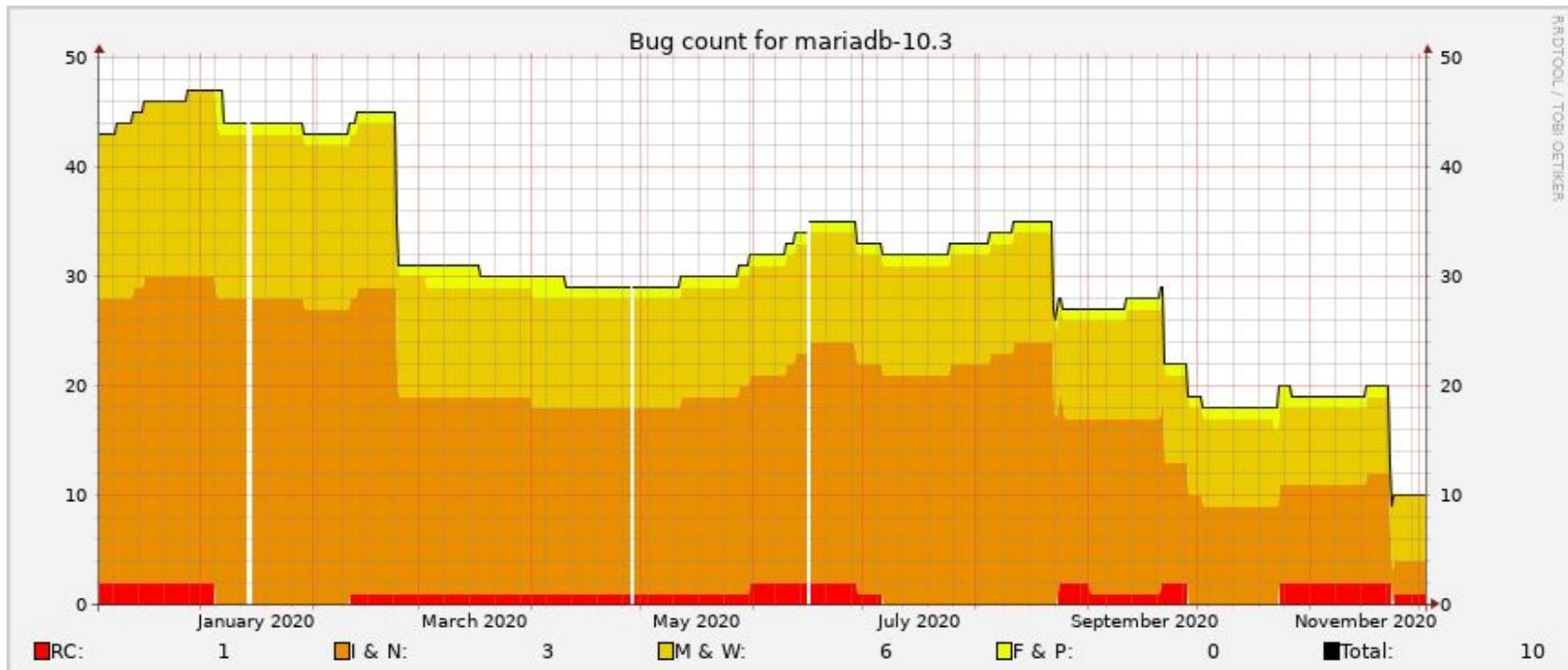
Run most of the Debian QA tools on every commit



salsa.debian.org/mariadb-team/mariadb-10.5/-/pipelines

Bug reports by Debian users

Debian users might file MariaDB bugs in Debian (not Jira!)



bugs.debian.org

Ubuntu users might file MariaDB bugs on Launchpad



Overview Code **Bugs** Blueprints Translations Answers

[Search](#) [Advanced search](#)

1 → 8 of 8 results

[First](#) • [Previous](#) • [Next](#) ▶ • [Last](#)

Order by: [Importance](#) ▾ [Status](#) [Number](#) [Title](#) [Package/Project/Series name](#) [Heat](#)

[MEDIUM](#) [CONFIRMED](#) #1885632 Ubuntu 20.04 requires TLSv1.2 while MariaDB 10.3/YaSSL only supports max TLSv1.1
mariadb-10.3 (Ubuntu) 6

[UNDECIDED](#) [INCOMPLETE](#) #1893231 package mariadb-common 1:10.3.22-1ubuntu1 failed to install/upgrade: installed mariadb-common package post-installation script subprocess returned error exit status 2
mariadb-10.3 (Ubuntu) 6

[UNDECIDED](#) [INCOMPLETE](#) #1898636 package mariadb-common 1:10.3.22-1ubuntu1 failed to install/upgrade: o subprocess instalado, do pacote mariadb-common, o script post-installation retornou erro do status de saída 2
mariadb-10.3 (Ubuntu) 6

[UNDECIDED](#) [CONFIRMED](#) #1899483 long hang apt install mariadb-server on Ubuntu 20.04 server
mariadb-10.3 (Ubuntu) 10

[UNDECIDED](#) [INCOMPLETE](#) #1900039 package mariadb-server-core-10.3 1:10.3.22-1ubuntu1 failed to install/upgrade: problemas de dependência - deixando desconfigurado
mariadb-10.3 (Ubuntu) 6

bugs.launchpad.net/ubuntu/+source/mariadb-10.5

Eventually all downstream fixes also flow upstream

```
debian/patches$ grep Forwarded *
```

928230-mysql_config---libmysqld-libs.patch:
Forwarded:
github.com/MariaDB/mariadb-connector-c/pull/109

hurd.patch:
Forwarded:
github.com/MariaDB/server/pull/918#discussion_r231432905

MDEV-18768-automate-auth_socket-to_unix_socket-upgrade.patch:
Forwarded: jira.mariadb.org/browse/MDEV-18768

mroonga-path-reproducible-build.patch:
Forwarded: github.com/mroonga/mroonga/issues/298

Plenty of work in both
developing new and maintaining old
Contributors welcome!



Please join!

You don't have to be a coder/developer to help, there are plenty of other valued skills as well!



[@ottokekalainen](#)

- **Participate in [bugs.debian.org](#) discussions!**
 - Send merge requests on Salsa:
[wiki.debian.org/Teams/MySQL/patches](#)
 - Contribute upstream:
[mariadb.org/get-involved](#)
 - Join pkg-mysql-maint mailing list
[alioth-lists.debian.net/cgi-bin/mailman/listinfo/pkg-mysql-maint](#)
- — —