

It's all about you: Innovation That Matters

Daniel Black

Chief Innovation Officer

(Making MariaDB Better)



MariaDB
Foundation

Statistics

- Downloads so far:
 - ~37000 downloads since launch (first 40 days)
 - ~3100 uses of our repository config tool (August 2020)
- ~ 32000 downloads are windows
 - ~ 28000 are for MSI packages
- ~ 4500 are tarballs
 - ~4200 are systemd tarballs



The screenshot shows the MariaDB Server download page. At the top, there is a banner for 'MariaDB Server FEST' with the dates 'OIN US 14 - 20 SEP 2020'. Below the banner, the main heading is 'Download MariaDB Server'. Underneath, there are links for 'REST API', 'MariaDB Repositories', 'Release Schedule', and 'Reporting Bugs'. On the right side, there is a section titled 'Download MariaDB' with a sub-section 'MariaDB Server Version' showing 'MariaDB Server 10.5.5 Stable'. Below this, there is a checkbox for 'Display older releases:' and a section for 'Operating System' with 'Linux' listed.

Download MariaDB Server

REST API

MariaDB Repositories

Release Schedule

Reporting Bugs

Download MariaDB

MariaDB Server is one of the... and is available in the standard package mariadb-server using... Alternatively you can use the...

MariaDB Server Version

MariaDB Server 10.5.5 Stable

Display older releases: ☐

Operating System

Linux

MariaDB source



MariaDB developer's produce source code

MariaDB Packages from MDBC / MDBF



Other Non-Linux Distributions Package



Linux Distros Produce their own Packages Too



Ubuntu Packages used by Docker Library



From Docker Library to community projects and you



Docker Library used in Travis



Travis CI:
MariaDB Docker Library containers are used
for the server side of the tests.
MariaDB apt repositories can be installed for
non-container build/tests.

Docker Library -> OpenStack Trove



OpenStack Trove,
Database As A Service
(DBaaS) uses the Docker Library to
provide MariaDB, with 11 other databases.

XAMPP - Apache, MariaDB, PHP, Perl bundled



Bitnami - Debian MariaDB containers + VM ...



NextCloud



Bitnami's helm chart (Kubernetes) is used by NextCloud to produce their product.

Red Hat Container Platform



Red Hat too is another provider of containers

Hyperscale Clouds



All large cloud platforms offer MariaDB
derived from various sources.

DBaaS

DBaaS of SkySQL, AsparaDB for MariaDB TX, and Amazon RDS offer very productised MariaDB integrated services.



Amazon
RDS



Alibaba Cloud
ApsaraDB
for MariaDB TX



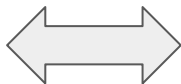
MariaDB
SkySQL

Distribution Ecosystem wide view

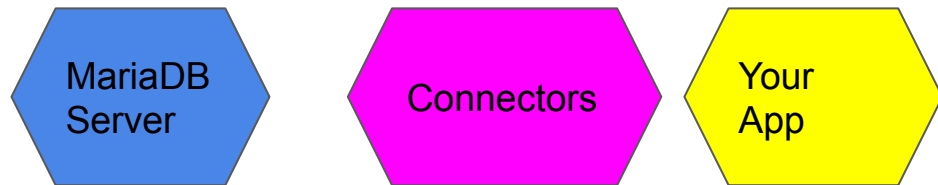


MariaDB Application Stack

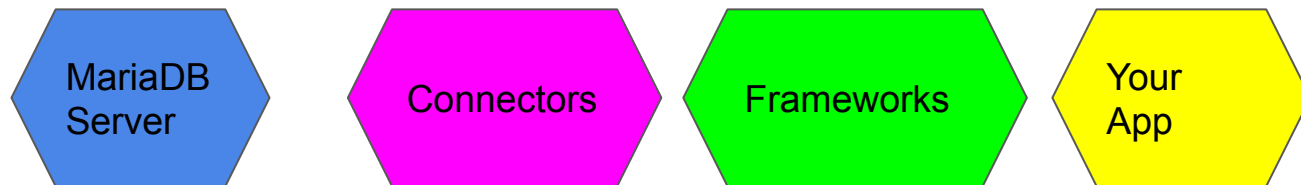
MariaDB
Server



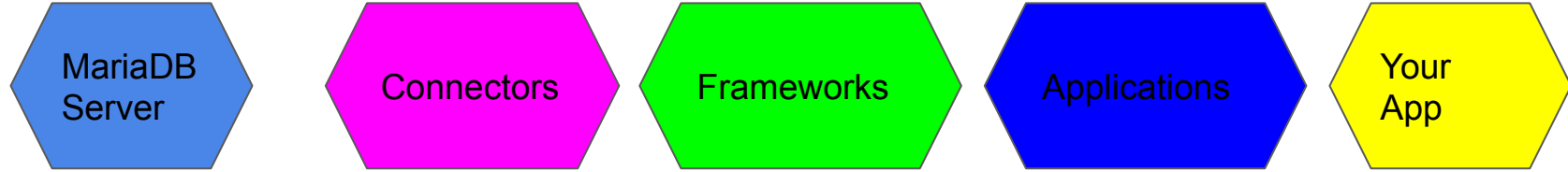
MariaDB Application Stack



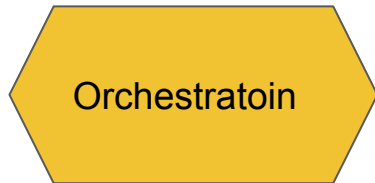
MariaDB Application Stack



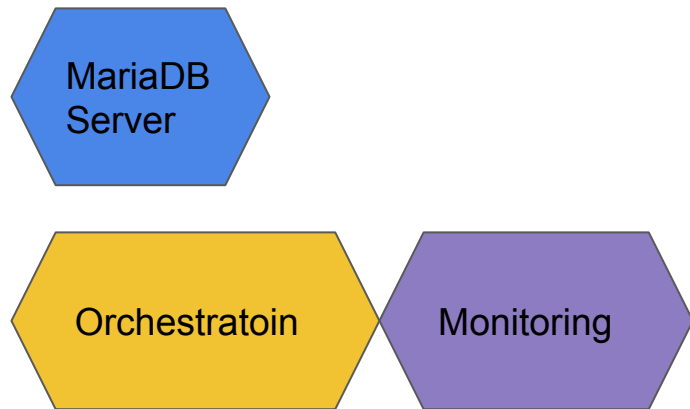
MariaDB Application Stack



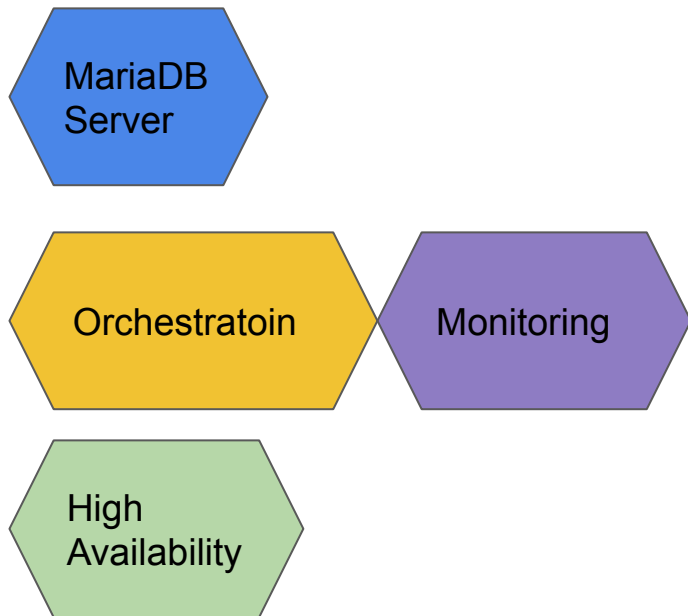
MariaDB Infrastructure and Tools



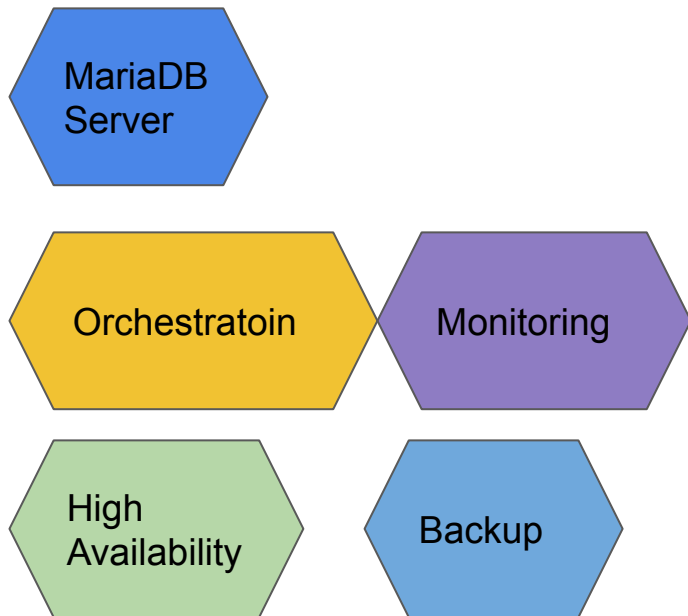
MariaDB Infrastructure and Tools



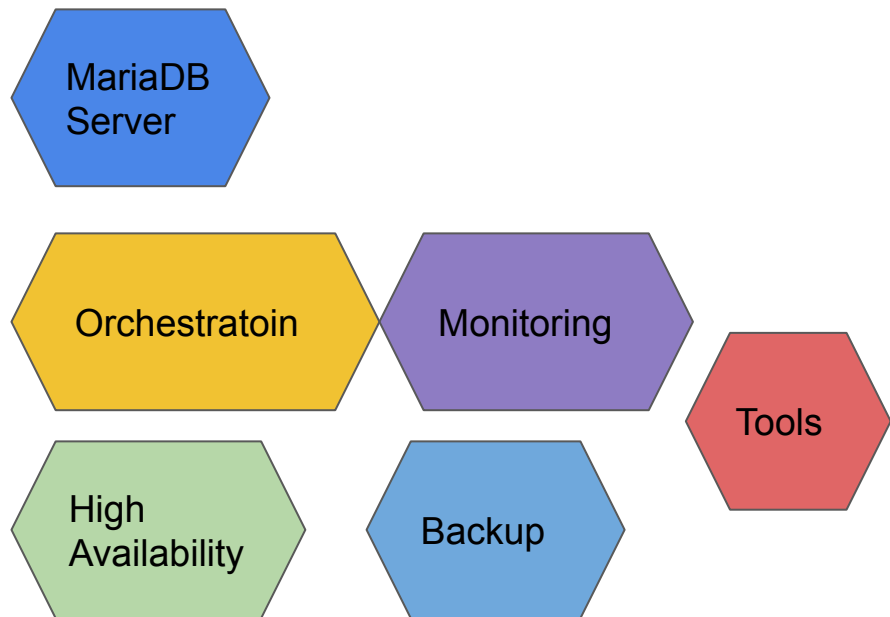
MariaDB Infrastructure and Tools



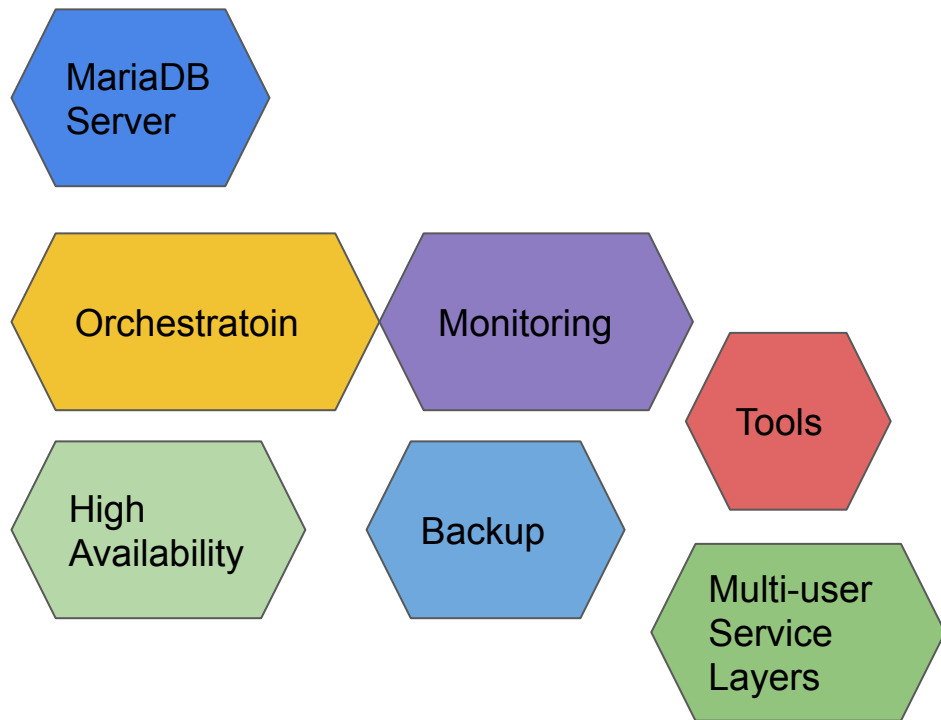
MariaDB Infrastructure and Tools



MariaDB Infrastructure and Tools

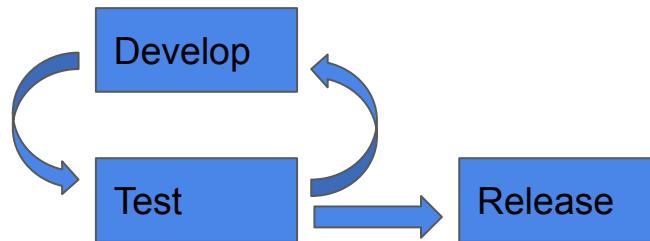
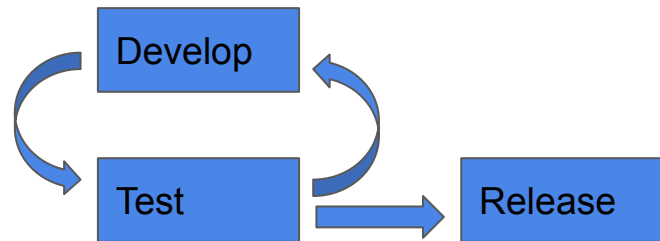


MariaDB Infrastructure and Tools



Server
Development

Product Development



Time



Server
Development

Product Development

Develop

Test

Release

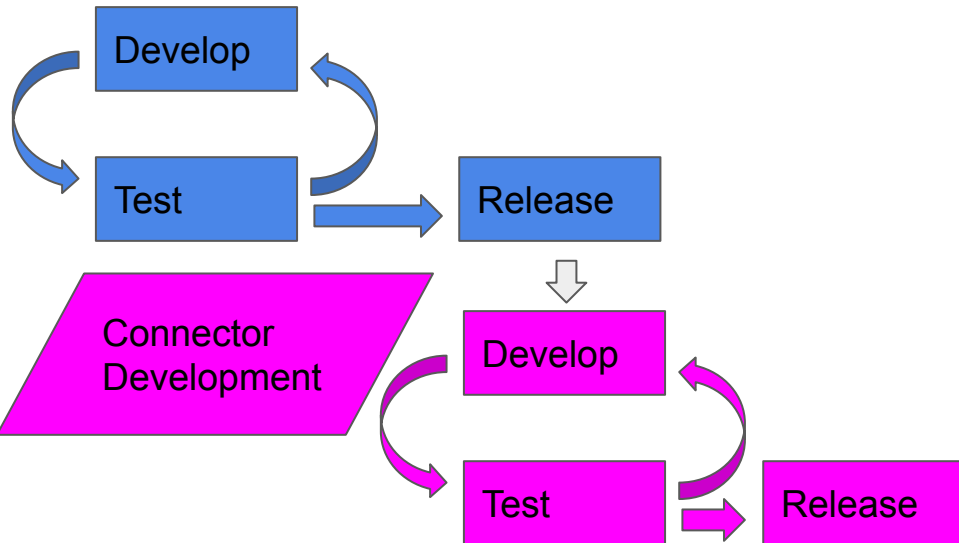
Connector
Development

Develop

Test

Release

Time



Server
Development

Product Development

Develop

Test

Release

Connector
Development

Develop

Test

Release

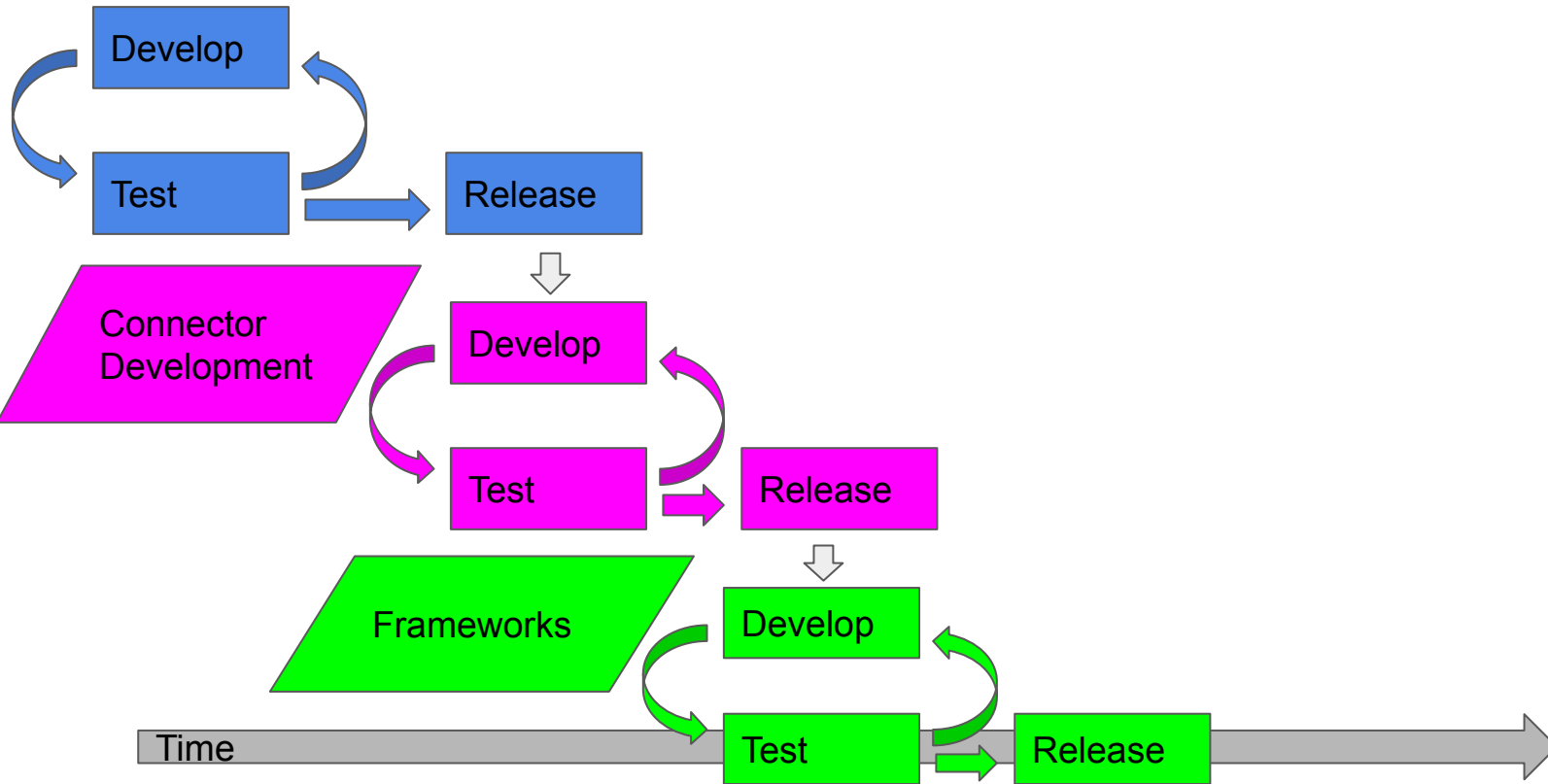
Frameworks

Develop

Test

Release

Time



Server
Development

Product Development

Develop

Test

Release

Develop

Test

Release

Connector
Development

Develop

Test

Release

Frameworks

Develop

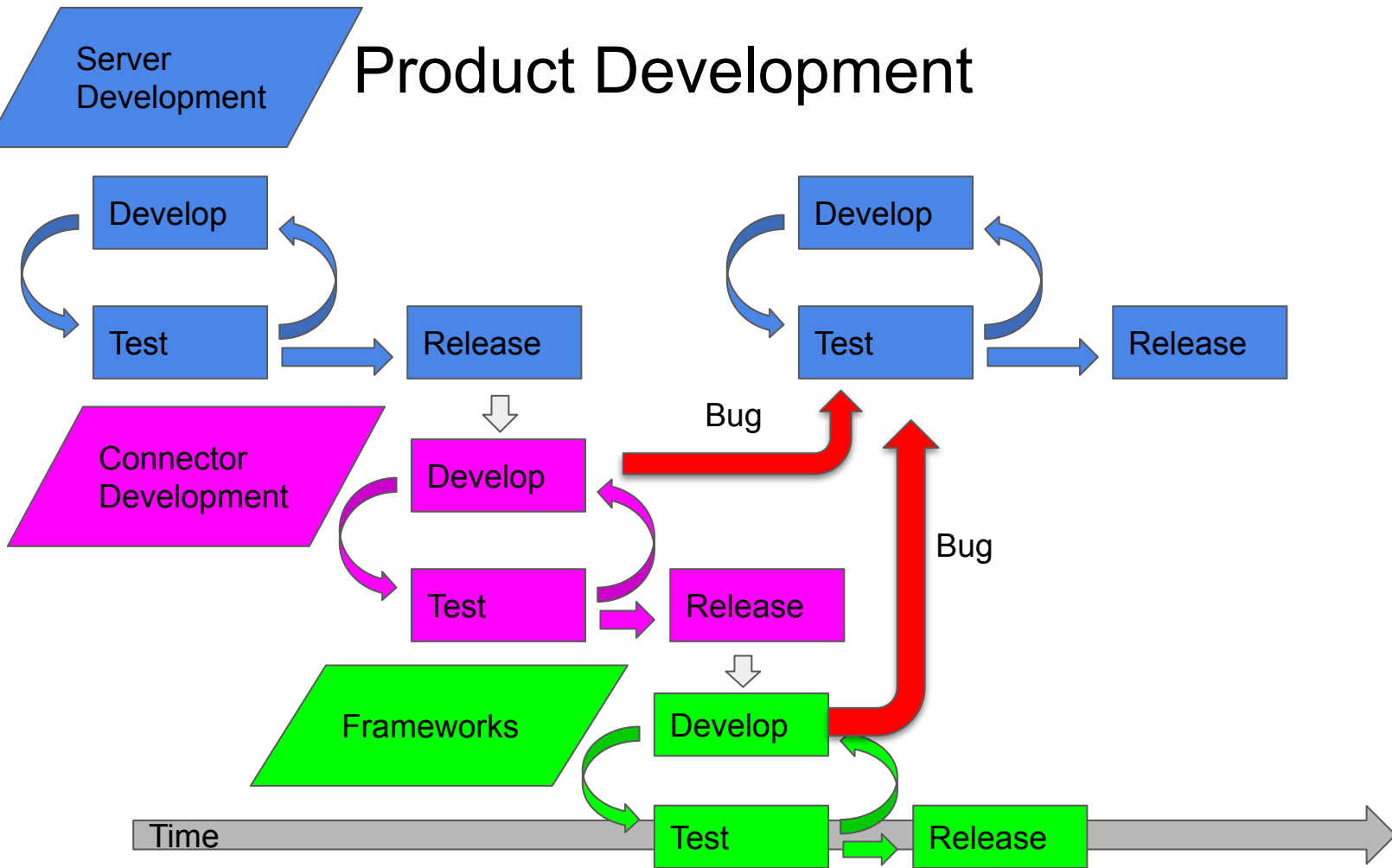
Test

Release

Bug

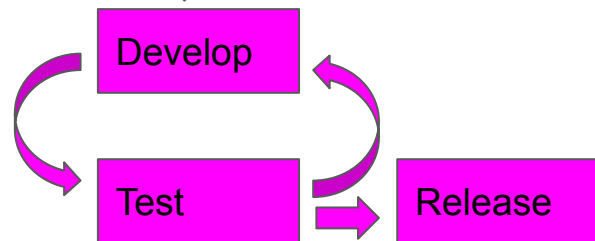
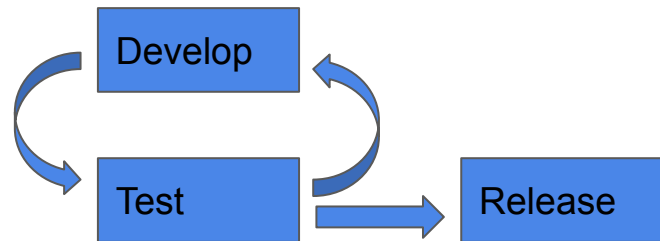
Bug

Time



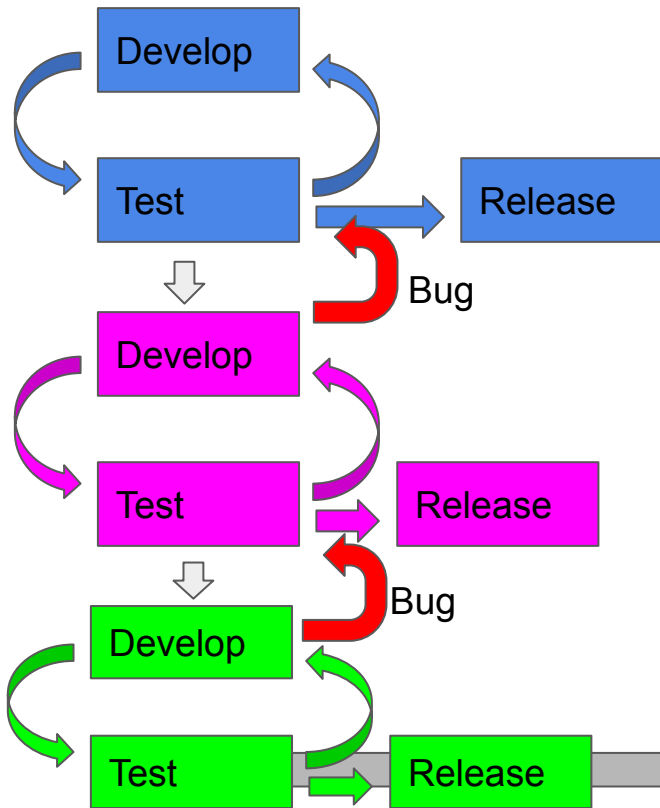
Server
Development

Product Development



Server
Development

Product Development



PHP Build Environment










31 lines (23 sloc) | 816 Bytes

```
1
2 FROM ubuntu:20.04
3
4 ENV DEBIAN_FRONTEND=noninteractive
5
6 RUN apt-get update -y && \
7     apt-get install -y language-pack-de \
8         libgmp-dev \
9         libicu-dev \
10        libtidy-dev \
11        libenchant-dev \
12        libaspell-dev \
13        libpspell-dev \
14        librecode-dev \
15        libsasl2-dev \
16        libxpm-dev \
17        libzip-dev \
18        git \
19        pkg-config build-essential autoconf bison re2c \
20                libxml2-dev libsqlite3-dev libmariadb-dev
21
22 VOLUME /code
23 VOLUME /mariadbsock
24
25 WORKDIR /code
26
27 COPY php-entrypoint.sh /
28
29 ENV BRANCHES="PHP-7.3 PHP-7.4"
30
31 CMD /php-entrypoint.sh
```

PHP Build / Test script

```
14 # PDO_TEST_ATTR
15 # PDO_MYSQL_TEST_ENGINE
16
17 set -x -v
18
19 if [ -d master ]
20 then
21     cd master
22     git pull
23 else
24     git clone https://github.com/php/php-src.git master
25     cd master
26 fi
27
28 for b in $BRANCHES
29 do
30     if [ -d ../$b ]
31     then
32         ( cd ../$b; git pull )
33     else
34         git worktree add ../$b $b
35     fi
36 done
37
38 cd ..
39 ls -la
40
41 for b in $BRANCHES master
42 do
43     for bo in "--with-mysqli=path_to_mariadb_config --with-pdo-mysql=MYSQLROOT" "--with-mysqli=mysqlnd --with-pdo-mysql=mysqlnd"
44     do
45         mkdir -p "$b-$bo"
46         cd "$b-$bo"
47         ../$b/buildconf
48         ../$b/configure --enable-debug \
49             $bo \
50             --with-mysql-sock=/mariadbsock/mysql.sock
51         make -j $(nproc)
52         ./sapi/cli/php ../$b/run-tests.php ../$b/ext/mysqli/tests/*phpt ../$b/ext/pdo_mysql/tests/*phpt
53         cd ..
54     done
55 done
```

Ecosystem CI - progress and implementation

Order by Priority		↓
	MDBF-134	cover non-php application stack ele...
	MDBF-133	cover a variety of tools
	MDBF-132	Ecosystem CI - bagisto - large ecom...
	MDBF-131	Ecosystem CI - larvel
	MDBF-129	show in ci how we build on a found...
	MDBF-128	Ecosystem CI - php
	MDBF-130	doctrine (php - PDO) ORM + DBAL (...)
	MDBF-126	Include into CI a few non-invasive c...
	MDBF-127	Ecosystem CI - dbdeployer

Build Bot - <https://buildbot.mariadb.org/>

MariaDB CI

NAVIGATION

Home

Grid View

Waterfall View

Console View

> Builds

Sponsors

About

Settings

MariaDB CI

Anonymous

• Grid View for main branches: 10.1, 10.2, 10.3, 10.4, 10.5, 10.6

Results

(all)

Builder	48ab5a4997... in 10.50	0af6e52521... in 10.50	c34cb16588... in 10.50	31e6c96b04... in 10.50	9ef36faa61... in 10.50
32bit-ubuntu-1804	failed test (failure) • perfschema.nesting	failed test (failure) • perfschema.nesting	failed test (failure) • perfschema.nesting	failed test (failure) • perfschema.nesting	failed test (failure) • perfschema.nesting
aarch64-centos-7	build successful	build successful	build successful	build successful	build successful
aarch64-debian-10	build successful	cancelled compile (cancelled)	retry build successful	build successful	build successful
aarch64-debian-10-deb-autobake			build successful	retry lost connection stopped early (cancelled) cancelled compile (cancelled)	build successful
aarch64-debian-9	build successful	build successful	cancelled test (cancelled)		
aarch64-debian-9-deb-autobake	build successful	build successful			
aarch64-fedora-32	build successful	build successful	build successful	retry cancelled test (cancelled)	build successful
aarch64-fedora-32-rpm-autobake	build successful	cancelled compile (cancelled)	build successful	cancelled compile (cancelled)	build successful
aarch64-rhel-7	build successful	retry cancelled compile (cancelled)	retry retry build successful	build successful	build successful
aarch64-rhel-8	build successful	build successful	build successful	build successful	build successful
asan-ubuntu-1804-clang10	failed test (failure) • plugins.feedback_plugin_send	cancelled compile (cancelled)	failed test (failure) • plugins.feedback_plugin_send	failed test (failure) • plugins.feedback_plugin_send	failed test (failure) • plugins.feedback_plugin_send
centos-7	exception test (exception)	build successful	build successful	build successful	build successful
centos-7-rpm-autobake		cancelled compile (cancelled)	build successful	build successful	build successful
centos-7-rpm-autobake-install			failed fetching rpms...done (failure)	failed fetching rpms...done (failure)	failed fetching rpms...done (failure)
centos-8	build successful	build successful	build successful	build successful	build successful
centos-8-rpm-autobake	build successful	cancelled compile (cancelled)	worker not available cancelled compile (cancelled)	retry cancelled compile (cancelled)	build successful
debian-10	build successful	build successful	build successful	build successful	build successful

https://mariadb.org/downloads



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Join MariaDB Server Fest 14-20 September! Latest releases: MariaDB 10.5.5, 10.4.14, 10.3.24, 10.2.33, 10.1.46

Search ...



[Download MariaDB Server](#)
[REST API](#)

[MariaDB Repositories](#)

[Release Schedule](#)

[Reporting Bugs](#)

Download MariaDB Server

MariaDB Server is one of the world's most popular open source relational databases and is available in the standard repositories of all major Linux distributions. Look for the package mariadb-server using the package manager of your operating system. Alternatively you can use the following resources:

MariaDB Server Version

MariaDB Server 10.5.5 Stable

Display older releases: ☐

Operating System

Linux

Architecture

x86_64

Init System

Systemd

Download

Mirror

Real World Group - Sydney

```
Release date: 2020-08-11
File name: mariadb-10.5.5-linux-systemd-x86_64.tar.gz
File size: 324 MB
Display signature

Checksums:
• md5sum: e50d6b2febb6cba176bc7a89725a0aa7
• sha1sum: a3197feelc2fa5af1b120c4fb61b7b73928c6d94
• sha256sum: d57cc2babb513b2e7293f707fc540fae7a12bae443bfb5c5b011ef8ff096d91f
• sha512sum:
f52202479c6276eefc899a8225cab7be5ca146a1f79133700a8bed46952bb1666bd3d5b547e342e9f2bff4471e418e0445ebdc384b
```

The MariaDB Foundation also provides downloads for the most popular connectors for MariaDB Server.

- [Download MariaDB Connector/C](#)

Assisting Contributors

MDEV-23091: perfschema Add support for OpenBSD's getthrid() to retrie... #1646

Edit

Open with ▾

 **grooverdan** merged 1 commit into [MariaDB:10.5](#) from [brad0:perfschema-openbsd-g](#)

 Conversation **7**  Commits **1**  Checks **0**  Files changed **3**



brad0 commented 28 days ago

...ve the thread id

 MDEV-23091: pe

Solution 4:

Using `--defaults-extra-file` to y

```
$ podman run -v /tmp/my-cnf:/
```





sunnyakaxd commented 3 days ag

Seems cool.

10.3 mdev 23176 from unixtime timez

 **Merged**

RoyBellingan merged 4 commits into [RoyBellingan:10.3](#) from [groov](#)

 Conversation **0**  Commits **4**  Checks **0**  Files ch



grooverdan commented on Jul 23

No description provided.



grooverdan added 4 commits on Jul 23



create table test

Connecting Communities



Daniel Black

8:48 PM

so what's an arm signal 4 - <https://github.com/docker-library/mariadb/issues/318>



Marko Mäkelä

8:57 PM

Daniel Black said:

so what's an arm signal
SIGILL in Swedish [https://wiki/seal.se/contract_lav](https://wiki.seal.se/contract_lav)

@Krunal Bauskar it looks like
instruction for CRC-32 co



Krunal Bauskar

@Daniel Black both of
smid should be available

crc32c uses crypto instru
need to explore this angl

Changing Propagation.REQUIRES_NEW to .REQUIRED helps but I think it is not way for us.

Thank you.

java mysql mariadb spring-transactions connector

share edit follow close flag

asked Aug 31 at 7:33



Insidel

1



New contributor



This is an issue in driver as you indicate. bug report done : jira.mariadb.org/browse/CONJ-825

– Diego Dupin 2 days ago


Resolving Distribution Breakdowns - Docker Library

 [docker-library](#) / [mariadb](#)

 Watch ▾

43


 Code

 Issues 7

 Pull requests 6

 Actions

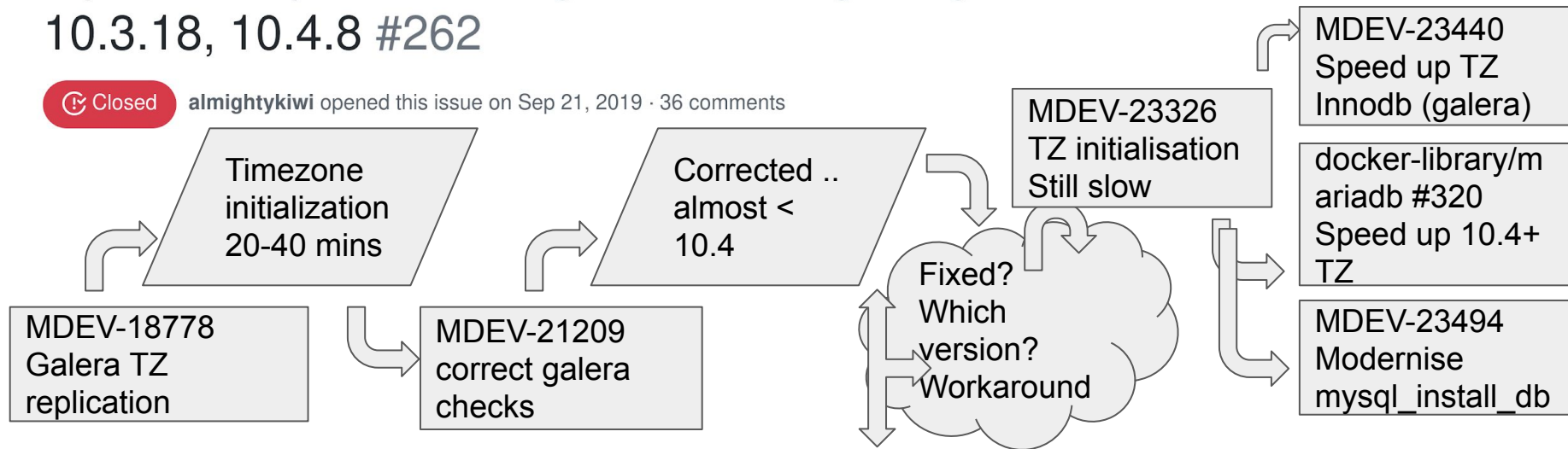
 Security

 Insights

MySQL init process hangs when using image mariadb 10.1.42, 10.2.27, 10.3.18, 10.4.8 #262

 Closed

almightykiwi opened this issue on Sep 21, 2019 · 36 comments



Breakdown Docker Library



tianon commented 16 days ago

Member



He had to test this change against 10.5.5 (because 10.5.4 is no longer available thanks to the new version being published) but it went from ~3m down to ~7s, so I'd say that's pretty compelling. 😄



An work continues; load during initialization mysql_install_db

Engaging with Communities

MDEV-23494: unify and modernise mysql_install db #1657

 Open **grooverdan** wants to merge 8 commits into `MariaDB:10.1` from `grooverdan:10.1-MDEV-23494_unify_and_modernise_mysql_install_db`

 Conversation 4  Commits 8  Checks 0  Files changed 44



grooverdan commented 15 days ago

Member



`mysql_install_db` has come with a number of fixed features that are undesirable in modern installations where frequent installs happens.

Over time some of these have been expanded slowly in later MariaDB versions. For projects like `dbdeployer` and the `docker` library this creates a pain with a single initialization script needing to account for variants of feature that `mysql_install_db` should provide.

As such, and now including packaging there are number of restarts of `mysqld` just to initialize it how it is required.

The approach here has been to backport a few features, add options to make explicit root host/password, and provide a file descriptor that can be passed to `mysqld` to finish its initialization.

This is a first draft. Some more testing on portability and testing for closed file descriptors is required.

I'd like your feedback on if I've missed anything that would make it easier for you.

Feedback please especially ping @datacharmer, @ottok, @tianon, @yosifkit, @Sp1l, @FaramosCZ

Helping Users

compatibility

The newest version of Xampp comes with MySQL databases. Are they readable

Answer Answered by [lan](#)

You don't specify version of MySQL version.

Take a look at [MariaDB](#)

1 Answer



0



[innodb_buffer_pool_instances](#) where removed in internal restructuring of the code.

There is no replacement setting.

The variable, that serves no purpose, is there for

[r/mariadb](#) · Posted by [u/KingHives](#) 1 month ago

Remote access tool to maria

Hello everyone,
I'm quite new to the web dev world, so I would like to know if there's a tool (plugin) for my computer to access to my databases from a remote computer.

A while ago I worked with php my admin and I installed it on the actual DB server (resource



KB Open Questions Bot

Does MariaDB Connector/J 2.6.x create connections to both master and slave?
What hardware configuration I need for my scenario?

AUG 14



KB Open Questions Bot

Why does this query hang on Maria but runs fine on MySQL?

AUG 15



KB Open Questions Bot

Content from TEXT fields not displaying - Classic ASP on Windows Server 2008

AUG 16



KB Open Questions Bot

odd mariadb-connector-c error on update

AUG 19



KB Open Questions Bot

Possible to set server preferred ciphers ?

AUG 25



KB Open Questions Bot

compatibility

AUG 27



KB Open Questions Bot

Issuing and monitoring status of multiple queries via a non-blocking connection

Self directed innovation / Seeing a need

**Jupyter
Notebook**

mysqldump --system=all

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_C
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO'
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
CREATE USER IF NOT EXISTS 'root'@'127.0.0.1';
GRANT ALL PRIVILEGES ON *.* TO 'root'@'127.0.0.1' WITH GRANT OPTION;
CREATE USER IF NOT EXISTS 'root'@':::1';
GRANT ALL PRIVILEGES ON *.* TO 'root'@':::1' WITH GRANT OPTION;
CREATE USER IF NOT EXISTS ''@'grit';
GRANT USAGE ON *.* TO ''@'grit';
CREATE USER IF NOT EXISTS 'root'@'grit';
```

MariaDB Knowledge Base Documentation

1. Article [GRANT](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [26]
2. Article [SHOW SLAVE STATUS](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [621]
3. Article [SHOW SLAVE STATUS](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [18]
4. Article [SHOW SLAVE STATUS](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [142]
5. Article [SHOW MASTER STATUS](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [23]
6. Article [SHOW MASTER STATUS](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [242]
7. Article [MariaDB 10.5.2 Release Notes](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [52]
8. Article [Changes and Improvements in MariaDB 10.5](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [52]
9. Article [GRANT](#) edited by [Ian Gilfillan](#) 1 day, 3 hours ago
[View Revision Diff to previous revision](#) [146]
10. Article [s3-status](#) edited by [Ian Gilfillan](#) 1 day, 4 hours ago
[View Revision Diff to previous revision](#) [12]
11. Article [Plans for MariaDB 10.5](#) edited by [Ian Gilfillan](#) 1 day, 4 hours ago
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12. Article [Changes and Improvements in MariaDB 10.6](#) edited by [Ian Gilfillan](#) 1 day, 4 hours ago
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13. Article [Plans for MariaDB 10.6](#) edited by [Ian Gilfillan](#) 1 day, 4 hours ago
[View Revision Diff to previous revision](#) [13]
14. Article [Changes and Improvements in MariaDB 10.5](#) edited by [Ian Gilfillan](#) 1 day, 4 hours ago

<https://mariadb.com/kb/en/+changes/>

Creating Podcasts

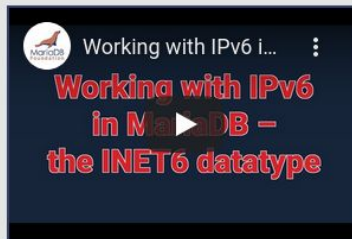
Watch and listen to our podcasts and webcasts



How to backup Wordpress with MariaDB



Get Set for Set Theory: UNION, INTERSECT and EXCEPT in SQL



Working with IPv6 in MariaDB - the INET6 datatype



MariaDB Deployment and Management with Ansible



LinuxJedi in Spacetime: Properly Handling Time and Date



MariaDB Server Fest



Next Innovation on Backburner - LOAD DATA

LOAD DATA works great, until there are errors.

Versions of pain in handling errors:

- Editing splitting large text files
- Complicated sed commands
- Looser table structure
- Write my own importer

4 Next Innovation on Backburner - LOAD DATA

SQL*Loader Command-Line Reference

Oracle9i Database Utilities
Release 2 (9.2)

This chapter describes the command-line parameters used to invoke SQL*Loader.

- [Invoking SQL*Loader](#)
- [Command-Line Parameters](#)
- [Exit Codes for Inspection and Display](#)

Invoking SQL*Loader

When you invoke SQL*Loader, you can specify certain parameters to establish session cases, you can accept the default without entering a value.

For example:

```
SQLldr CONTROL=foo.ctl, LOG=bar.log, BAD=baz.bad, DATA=etc.dat  
USERID=scott/tiger, ERRORS=999, LOAD=2000, DISCARD=toss.dis,  
DISCARDMAX=5
```

Next Innovation on Backburner - LOAD DATA

LOAD DATA INTO INFILE 'data.csv' INTO TABLE data

Ash,2004,5

Jovi,2010,30kg

Table	Create Table
data	CREATE TABLE `data` (`name` varchar(10) NOT NULL, `birthyear` year(4) NOT NULL, `weight` float NOT NULL) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4

Data truncated for column 'weight' at row 2

Next Innovation on Backburner - LOAD DATA

Like sequence storage engine create errors table by name:

Like `SELECT * FROM seq_5_to_1_step_2`

load_data_errors_{table}[_{suffix}]

Table	Create Table
data	CREATE TABLE `data` (`name` varchar(10) NOT NULL, `birthyear` year(4) NOT NULL, `weight` float NOT NULL) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4

Table	Create Table
load_data_errors_data	CREATE TABLE `load_data_errors_data` (`lineno` bigint(20) unsigned NOT NULL, `linetext` longtext DEFAULT NULL, `error_column` enum('name','birthyear','weight') DEFAULT NULL, `error_warning` enum('error','warning') NOT NULL, `error_code` int(10) unsigned NOT NULL, `error_text` varchar(2000) DEFAULT NULL, `name` varchar(10) DEFAULT NULL, `name_text` longtext DEFAULT NULL, `birthyear` year(4) DEFAULT NULL, `birthyear_text` longtext DEFAULT NULL, `weight` float DEFAULT NULL, `weight_text` longtext DEFAULT NULL, PRIMARY KEY (`lineno`)) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4

Next Innovation on Backburner - LOAD DATA

Stores the errors of load data:

Table	Create Table
load_data_errors_data	<pre>CREATE TABLE `load_data_errors_data` (`lineno` bigint(20) unsigned NOT NULL, `linetext` longtext DEFAULT NULL, `error_column` enum('name','birthyear','weight') DEFAULT NULL, `error_warning` enum('error','warning') NOT NULL, `error_code` int(10) unsigned NOT NULL, `error_text` varchar(2000) DEFAULT NULL, `name` varchar(10) DEFAULT NULL, `name_text` longtext DEFAULT NULL, `birthyear` year(4) DEFAULT NULL, `birthyear_text` longtext DEFAULT NULL, `weight` float DEFAULT NULL, `weight_text` longtext DEFAULT NULL, PRIMARY KEY (`lineno`)) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4</pre>

lineno	linetext	error_column	error_warning	error_code	error_text	name	name_text	birthyear	birthyear_text	weight	weight_text
2	Jovi,2010,30kg	weight	error	1265	Data truncated for column 'weight' at row 2	Jovi	Jovi	2010	2010	null	30kg

Next Innovation on Backburner - LOAD DATA

Further enhancements to idea on: MDEV-13046

Maybe similar concept in:

- ALTER TABLE to catch lossy conversion/bad rows.
- Replication errors

Backlog Feature Requests

Watched Issues

T	Key	Summary
<input checked="" type="checkbox"/>	MDEV-13467	Feature request: Support for ST_Distance
<input checked="" type="checkbox"/>	MDEV-7502	Automatic provisioning of slave
<input checked="" type="checkbox"/>	MDEV-4958	Adding datatype UUID
<input checked="" type="checkbox"/>	MDEV-14425	Change the InnoDB redo log format to
<input checked="" type="checkbox"/>	MDEV-6017	Add support for Indexes on Expressions
<input checked="" type="checkbox"/>	MDEV-9077	bundle sys schema
<input checked="" type="checkbox"/>	MDEV-5536	Support systemd socket activation
<input checked="" type="checkbox"/>	MDEV-13648	Add FULL OUTER JOIN to MariaDB
<input checked="" type="checkbox"/>	MDEV-9639	Galera Cluster files (galera.cache, others) encrypted when encryption is enabled
<input type="checkbox"/>	MDEV-13542	Crashing on a corrupted page is unhelp

1 - 10 of 365

Voted Issues

T	Key	Summary
<input checked="" type="checkbox"/>	MDEV-9077	bundle sys schema
<input checked="" type="checkbox"/>	MDEV-5536	Support systemd socket activation
<input checked="" type="checkbox"/>	MDEV-6017	Add support for Indexes on Expressions
<input checked="" type="checkbox"/>	MDEV-6096	Ideas about parallel query execution
<input checked="" type="checkbox"/>	MDEV-10426	ANY_VALUE function as a workaround for ONLY_FULL_GROUP_BY mode and compatibility with MySQL 5.7
<input checked="" type="checkbox"/>	MDEV-8946	Add replication crash-safety for non-GTID slave.
<input checked="" type="checkbox"/>	MDEV-8307	Allow DELETE FROM RETURNING to be used with INSERT INTO
<input checked="" type="checkbox"/>	MDEV-15854	Implement uuid_to_bin, bin_to_uuid and is_uuid functions
<input checked="" type="checkbox"/>	MDEV-10112	mysql_secure_installation should use GRANT, REVOKE, etc for galera support
<input type="checkbox"/>	MDEV-7258	Read-free replication for TokuDB

Other fertile grounds for development

- Engine-Independent Table Statistics - plenty more uses for choosing optimal query plans
- Table Discovery - like the LOAD DATA
- Functions - support Aggregate
- Additional Authentication Mechanism
- Encryption Plugins (KMIP?)

Its all for you

MariaDB Foundation, working for you to get a:

- Better MariaDB product
- Better interoperable ecosystem
- Delivered how you want it

