MariaDB Corporation
Engineering Policies

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Release Policy

Versioning Scheme

MariaDB Products follow three different version numbering schemes. Each component reflects a category of changes (e.g., major.minor.maintenance).

Product	Versioning scheme
MariaDB Server & Galera Cluster	Primary: New Versions Secondary: Major releases Tertiary: Minor & Maintenance releases
MariaDB ColumnStore	
MariaDB MaxScale	
MariaDB Connector/J	Primary: Major releases Secondary: Minor releases Tertiary: Maintenance releases
MariaDB Connector/C	
MariaDB Connector/ODBC	

- New versions and major releases are primarily for new features, but may also contain both bug and security fixes.
- Minor and maintenance releases typically provide only bug fixes and security issues.

The numbering does not indicate the maturity of a release (i.e. Alpha, Beta, Release Candidate or General Availability). Instead, it's indicated in the release notes next to the version number (e.g., *MariaDB Server 10.2.5 Release Candidate*).

Plugins have their maturity. That is to say that plugins in a GA version of the MariaDB Server can be of different maturity. For example, MyRocks storage engine was of Experimental maturity, although in the stable, MariaDB Server 10.2.6 GA. To see all the MariaDB Server plugin maturity, please check: https://mariadb.com/kb/en/library/list-of-plugins/

For every released version, the release notes and change logs will be updated accordingly.

Semantic versioning

MariaDB aims to follow the semantic versioning standard. In client-server APIs we follow it fully and in the server we follow it in spirit.

Micro releases (patch versions) e.g. 5.5.x and 10.0.x only fix security issues and bugs. Minor version releases e.g. 5.x and 10.x add functionality but maintain backwards-compatibility. Major

releases e.g. 10.0 and 11.0 may make backwards-incompatible changes. For details about semantic versioning, see semver.org.

In all releases, including major releases, we always make sure that the mysql_upgrade facility runs correctly and the database files from any older release can be upgraded.

Release Schedule

There is no fixed release schedule for new releases. However, each category of releases has its lifespan.

- MariaDB Engineering maintains major versions of MariaDB products for a certain number of years from the date of the **first GA release** until the major version's **End Of Life (EOL) date**.
- Between those two dates, bugs and security issues that have been reported are fixed and released in regular point releases.
- After the End of Life date, those major version won't get any bug or security fixes anymore.

Below is a list of the maintenance duration for each current product:

Product	Maintenance Duration for Major Releases
MariaDB Server MariaDB Galera Cluster	● Maintained for 5 years.
MariaDB ColumnStore	
MariaDB MaxScale	● Maintained until the BSL change date of the major release
MariaDB Connector/J	● The two latest major versions are maintained, if not explicitly deemed EOL because of low demand. EOL for a connector also depends on the EOL date of the "extended Support" of the Java version supported by it.
MariaDB Connector/C	● The two latest major versions are maintained, if not explicitly deemed EOL because of low demand, or the next version is completely backwards compatible.
MariaDB Connector/ODBC	

Backward Compatibility

All changes done on major releases (["minor" in case of the connectors](#)) will be backwards compatible with concerning the maintenance window. MariaDB Corporation retains the option to break backwards compatibility on major releases when it is deemed necessary to improve the product, or if it is required to address a security bug. This will be announced well in advance to the community and our customers and partners.

Maintenance Policy

With this release policy in mind, the following schedule shows the effective dates for each product and version:

MariaDB Server		
Major Version	Stable (GA) Date	End Of Life Date
5.1	1 Feb 2010	1 Feb 2015
5.2	10 Nov 2010	10 Nov 2015
5.3	29 Feb 2012	1 Mar 2017
5.5	11 Apr 2012	11 March 2020
10.0	31 Mar 2014	31 Mar 2019
10.1	17 Oct 2015	17 Oct 2020
10.2	23 May 2017	23 May 2022
10.3	25 May 2018	25 May 2023

MariaDB ColumnStore		
Major Version	Stable (GA) Date	End Of Life Date
1.0	14 Dec 2016	17 Oct 2020 (based on the end of life date corresponding to the respective 10.1 server versions)
1.1	21 Nov 2017	23 May 2022 ((based on the end of life date corresponding to the respective 10.2 server versions)

MariaDB MaxScale		
Major Version	Stable (GA) Date	End Of Life Date
1.4	March 2016	January 01, 2019 (security fixes)
2.0	October 2016	January 01, 2019
2.1	May 2017	July 01, 2019
2.2	February 2018	January 01, 2020

MariaDB Connector/J		
Major Version	Stable (GA) Date	End Of Life Date
1.1	January 2013	EOL since 1.6.2 is 100% compatible
1.2 1.3 1.4 1.5	July 2015 November 2015 April 2016 September 2016	EOL since 1.6 is 100% compatible
1.6	May 2017	EOL since 1.7 is 100% compatible
2.0	May 2017	EOL since 2.1 is 100% compatible
2.1	July 2017	EOL since 2.2 is 100% compatible
2.2	November 2017	EOL since 2.3 is 100% compatible
1.7	November 2017	November 2022, or EOL Java 7, or until a newer, 100% compatible major version exists.
2.3	September 2018	November 2023, or EOL Java 8, or until a newer, 100% compatible major version exits

MariaDB Connector/C		
Major Version	Stable (GA) Date	End Of Life Date
1.0	November 2012	November 2017
2.0 2.1 2.2	April 2014 January 2015 September 2015	EOL since 2.3 is 100% compatible
2.3	July 2016	July 2021, or until a newer, 100% compatible major version exists
3.0	July 2017	July 2022, or until a newer, 100% compatible major version exists

MariaDB Connector/ODBC		
Major Version	Stable (GA) Date	End Of Life Date
1.0	January 2015	EOL since 2.0 is 100% compatible
2.0	April 2016	January 2020, or until a newer, 100% compatible major version exists
3.0	October 2017	October 2022, or until a newer, 100% compatible major version exists

MariaDB Corporation can offer additional technical support and services to their customers that cover versions for longer times and provide SLA commitments for additional fees. Please contact us for more details.

Release Criteria

The MariaDB Engineering teams can only promise to cover bugs in MariaDB Corporation products. For bugs in MySQL® products, we cannot give any guarantees. However, bugs in MySQL that directly affect MariaDB Server are likely to be fixed or worked around by the MariaDB Server team.

The MariaDB development release policy has the following project commitments for the maturity stages:

Commitment for All Releases

- All MariaDB releases should be free from known critical bugs.
- If we make a release with a known critical bug --for example, there may be a serious bug we want to fix at once and distribute the fix while we are fixing other less critical bugs -- they will be documented in the release notes.
- In the rare instance in which there is a fatal bug that can't be fixed in a specific release -- either because it's a design bug or the bug fix is likely to cause other, possibly worse bugs -- we will document it in the `KNOWN_BUGS.txt` file that is included in the MariaDB product distribution. However, we will try to keep these kinds of open bugs to a minimum.

Commitment for Gamma/RC Releases

- No known serious bugs.
- We believe the code is ready for general use based on bug inflow, but we want to do more testing before declaring it stable.

Commitment for Stable/GA Releases

- No known serious bugs.
- No bugs fixed since the last release that caused any notable code changes.
- We believe the code is ready for general use based on bug inflow.

Security Bug Fixing Policy

MariaDB Engineering classifies all security bugs according to their threat level. The threat level can be one of two possibilities:

- ==Critical== bugs contain an exploitable vulnerability that causes arbitrary code execution or allows an unauthenticated user to crash the server or gain access to data. These are typically referred to as a CVE; and
- ==Medium== bugs are all bugs that are not classified at the red level.

We will strive to fix:

- Any ==Critical== security bug, immediately in a new maintenance release. We will work on it until it's fixed, and release fixed (i.e., not vulnerable) MariaDB binaries, as soon as possible -- usually the next day.
- ==Medium== security bugs, as soon as possible However, we will not change our planned release schedule to distribute the fix earlier.

Supported Platforms & Operating Systems

MariaDB Corporation intends to support all of the most used operating systems and Linux distributions among our customers. For new versions of an Operating System MariaDB aims for providing packages for the last three MariaDB GA versions, if technically possible. For new versions of a distribution where MariaDB Server is included, MariaDB will provide at least the same major and upcoming versions. The tables below provide details of which products are currently supported per OS:

MariaDB Server									
OS	Version	Arch.	MariaDB Galera Cluster		MariaDB Server				
			5.5	10.0	5.5	10.0	10.1	10.2	10.3
Red Hat Enterprise Linux	6.x	x86_64	OK	OK	OK	OK	OK	OK	OK
	7.x	x86_64	OK	OK	OK	OK	OK	OK	OK
CentOS	6.x	x86_64	OK	OK	OK	OK	OK	OK	OK
	7.x	x86_64	OK	OK	OK	OK	OK	OK	OK
Ubuntu	12.04	x86_64	OK	OK	OK	OK	OK	OK	OK
	14.04	x86_64	OK	OK	OK	OK	OK	OK	OK
	16.04	x86_64	OK	OK	OK	OK	OK	OK	OK
	18.04	x86_64	OK	OK			OK	OK	OK
Debian	8	x86_64		OK		OK	OK	OK	OK
	9	x86_64					OK	OK	OK
SUSE Linux Enterprise Server	11	x86_64	OK	OK	OK	OK	OK	(1)	(1)
	12	x86_64	(2)	OK	(2)	OK	OK	OK	OK
	15	x86_64						OK	OK
Windows		x86 x86_64			OK	OK	OK	OK	OK
Generic Linux		x86_64	OK	OK	OK	OK	OK	OK	OK
Source			OK	OK	OK	OK	OK	OK	OK

Note, we may only provide binaries for the latest major MariaDB Server GA version when a new operating system release goes GA, or a new service pack is available.
(1) SLES 11: MariaDB Server 10.2+ has dependencies to new versions of libraries than provided with SLES 11
(2) SLES12: MariaDB Server 5.5 support removed. SLES 12 comes with MariaDB Server 10.0 already

MariaDB ColumnStore				
Operating System	Version	Arch.	1.0	1.1
Red Hat Enterprise Linux	6.x, 7.x	x86_64	OK	OK
CentOS	6.x, 7.x	x86_64	OK	OK
Ubuntu	16.04	x86_64	OK	OK
	18.04	x86_64		OK (1)
Debian	8	x86_64	OK	OK
	9	x86_64	OK (2)	OK
SUSE Linux Enterprise Server	12	x86_64	OK	OK
Source			OK	OK

(1) From ColumnStore 1.1.5 onwards
(2) From ColumnStore 1.0.11 onwards

MariaDB MaxScale						
Operating System	Version	Arch.	1.4	2.0	2.1	2.2
Red Hat Enterprise Linux	6.x, 7.x	x86_64	OK	OK	OK	OK
CentOS	6.x, 7.x	x86_64	OK	OK	OK	OK
Ubuntu	14.04 16.04	x86_64	OK	OK	OK	OK
	18.04	x86_64			OK	OK
Debian	8	x86_64	OK	OK	OK	OK
	9	x86_64			OK	OK
SUSE Linux Enterprise Server	11	x86_64	OK	(2)	(2)	(2)
	12	x86_64	OK	OK	OK	OK
	15	x86_64			OK	OK
Generic Linux		x86_64	OK	OK	OK	OK
Source			OK	OK	OK	OK

(1) Ubuntu 18.04: From the next releases onwards Bionic will be supported for both 2.1 and 2.2. We will not build 1.4 or 2.0 for Bionic unless there is specific demand.

(2) SLES 11: The OpenSSL version on SLES 11 is too old for the Connector/C version that is used by MaxScale.

MariaDB Connector/J

Java version	Version	1.6 (>1.6.1)	2.x
Java	6	OK	
	7	OK	
	8	OK	OK
Source		OK	OK

MariaDB Connector/C

Operating System	Arch.	2.3	3.0
Generic Linux	x86_64	OK	OK
Generic Linux	x86	OK	OK
Windows	x86_64	OK	OK
Windows	x86	OK	OK
Source		OK	OK

MariaDB Connector/ODBC

Operating System	Arch.	2.0	3.0
Generic Linux	x86_64	OK	OK
Generic Linux	x86	OK	OK
Windows	x86_64	OK	OK
Windows	x86	OK	OK
Source		OK	OK

MariaDB Corporation can, of course, offer additional operating system support to their customers on a case by case basis, and for additional needs. Please contact us for more details.

Additional Tools -- Supported Platforms

MariaDB Subscriptions includes a set of excellent tools to enhance your experience. The following table describes the operating system support for each tool.

Operating System	Version	Arch.	Percona XtraBackup **	Idera DM	Idera SQLyog	socat	qpress
Red Hat Enterprise Linux	6.x, 7.x	x86_64	OK	OK		6: OK 7: OK *	OK
CentOS	6.x, 7.x	x86_64	OK	OK		6: OK 7: OK *	OK
Ubuntu	14.04, 16.04	x86_64	OK			OK *	OK
Debian	7, 8, 9	x86_64	OK			OK *	OK
SUSE Linux Enterprise Server	11, 12	x86_64	OK	OK		OK *	OK
Windows		x86 x86_64		OK	OK		
Generic Linux		x86_64	OK	OK			OK
Source		Source	OK				OK

* Built-in OS

** We currently support Percona Xtrabackup 2.3 and 2.4

Operating Systems Deprecation Policy

The MariaDB corporation tries to support as many different operating systems, Linux distributions, and processor architectures as possible. However, when a distribution or operating system stops receiving security and other updates, it becomes difficult for MariaDB Corporation to provide packages for that platform. In such cases, our policy is to deprecate that platform and stop providing binary packages for it.

To get more information about the maintenance and depreciation policies for those operating system, please consult the following information pages:

- Centos Release Information
- Red Hat Release Information
- Ubuntu Release Information
- Debian Release Information
- SUSE Enterprise Release Information
- Windows client lifecycle info
- Windows server lifecycle info

Deprecated Package Platforms

The MariaDB Products no longer build packages for the following operating systems and Linux distributions.

MariaDB Server						
Platform	Deprecation Date	Final MariaDB Server Version(s)				
		5.5	10.0	10.1	10.2	10.3
Debian 7 "Wheezy"	May 2018			10.1.33	10.2.15	10.3.7(1)
Red Hat Enterprise Linux 7.	November 2017	5.5.58	10.0.33	10.1.30	10.2.12	
CentOS 7.2	November 2017	5.5.58	10.0.33	10.1.30	10.2.12	
Ubuntu 12.04 LTS "Precise"	April 2017	5.5.56	10.0.31	10.1.24		
Red Hat Enterprise Linux 7.1	March 2017	5.5.56	10.0.31	10.1.24		
CentOS 7.1	March 2017	5.5.56	10.0.31	10.1.24		
Red Hat Enterprise Linux 5	March 2017	5.5.54	10.0.30	10.1.22		
CentOS 5	March 2017	5.5.54	10.0.30	10.1.22		
Windows 2003 Server	April 2016	5.5.48	10.0.24	10.1.13		

Windows XP	April 2016	5.5.48	10.0.24	10.1.13		
Debian 6 "Squeeze"	February 2016	5.5.48	10.0.24			
Ubuntu 10.04 LTS "Lucid"	April 2015	5.5.43	10.0.18			
Ubuntu 8.04 LTS "Hardy"	April 2013	5.5.31	10.0.2			

(1) MariaDB Server 10.3.7 was RC, not GA.

MariaDB MaxScale					
Platform	Deprecation Date	Final MariaDB MaxScale Version(s)			
		1.4	2.0	2.1	2.2
Debian 7 "Wheezy"	May 2018	1.4.5	2.0.6	2.1.17	2.2.6

Technical Support for Deprecated Platforms

If you've chosen an operating system or Linux distribution that is deprecated, packages or support are not completely unavailable. MariaDB Corporation can provide support for older versions of MariaDB on special requests and separate contracts.

Document History

Below is the basis for recent versions and changes to this document:

Vers	Action	Approval Authority	Applicable Date
1.02	First Publication	Engineering Vice Presidents	29/06/2017
1.03	Operating System Support: ● Debian 9 supported by all products and tools, except Enterprise MariaDB ColumnStore: ● Generic Linux support removed ● Clarification for the 5 year maintenance exception for ColumnStore 1.0 Connectors ● Connector/J 2.1 and Connector/C 3.0 GA & maintenance policy updates	Technical Support Vice President, Engineering Vice Presidents, Technical Leads and Product Managers	04/09/2017

Vers	Action	Approval Authority	Action Date
1.04	MariaDB Enterprise Server and MariaDB Enterprise Cluster have been EOLed and removed on the 1st of November 2017.	Technical Support Vice President, Engineering Vice Presidents, Technical Leads and Product Managers	11/01/2018
1.05	Operating System Support: ● Some products now support Ubuntu 18.04 ● Debian 7 has been depreciated for some products ● CentOS & RHEL 7.2 have been depreciated for some products MariaDB Server ● 10.3 has been added and is now supported Small content corrections: ● More details on the Windows versions supported and depreciation planned date ● Release criteria are now focusing only		25/05/2018

	on RC & GA		
1.06 Live	Operating System Support: - Debian 7 has been depreciated for MaxScale - Security policy has been updated	Technical Support Vice President, Engineering Vice Presidents, Technical Leads and Product Managers	28/09/2018