

# 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 maturity of a release (i.e. Alpha, Beta, Release Candidate or General Availability) is not indicated by the numbering. 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 own 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 is of Experimental maturity, although it's in the stable, MariaDB Server 10.2.6 GA.

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

## 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 a minimum of 5 years.
MariaDB ColumnStore	
MariaDB MaxScale	<ul style="list-style-type: none"><li>• Maintained until the BSL change date of the major release</li><li>• Additionally, security fixes will be provided for the latest major release for which the change date has passed already.</li></ul>
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 backward compatible.
MariaDB Connector/ODBC	

## Backward Compatibility

All changes done on major releases ([“minor” in case of the connectors](#)) will be backward compatible with respect to the maintenance window. MariaDB Corporation retains the option to break backward 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 to 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

MariaDB ColumnStore		
Major Version	Stable (GA) Date	End Of Life Date
1.0	14 Dec 2016	17 Oct 2020 (based on end of life date corresponding to the respective 10.1 server versions)
1.1	21 Nov 2017	23 May 2022 ( (based on 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		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
1.7	November 2017	November 2021, or EOL Java 7, or until a newer, 100% compatible major version exists.
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	November 2022, or EOL Java 8, or until a newer, 100% compatible major version exists

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 of course offer additional technical support and services to their customers that cover versions for longer times and provide SLA commitments for additional feeds. 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 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 Alpha Releases

- In Alpha versions, feature stability should not be expected. Still, the build system should show no regression for supported platforms and Jira should have no open Blocker level bugs for these releases.

### Commitment for Beta Releases

- The product is feature complete according to what is agreed based on the scope of the release. All APIs and storage formats should be stable.
- There should be no known serious bugs that would affect normal operation.

## 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:

- **Red** 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
- **Yellow** bugs are all bugs that are not classified at the red level.

We will strive to fix:

- Any **Red** security bug, immediately. 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.
- **Yellow** security bugs, as soon as possible. However, we will not change our planned release schedule to distribute the fix earlier.

# Supported Platforms & Operating Systems

## Supported Platforms & Operating Systems

MariaDB Corporation intends to support all of the most used operating systems, Linux distributions and processor architectures among our customers. The tables below provide details of which products are currently supported:

MariaDB Server								
OS	Version	Arch.	MariaDB Server				MariaDB Galera Cluster	
			5.5	10.0	10.1	10.2	5.5	10.0
Red Hat Enterprise Linux	6.x	x86_64	OK	OK	OK	OK	OK	OK
	7.x	x86_64	OK	OK	OK	OK	OK	OK
CentOS	6.x	x86_64	OK	OK	OK	OK	OK	OK
	7.x	x86_64	OK	OK	OK	OK	OK	OK
Ubuntu	12.04	x86_64	OK	OK	OK	OK	OK	OK
	14.04	x86_64	OK	OK	OK	OK	OK	OK
	16.04	x86_64	OK	OK	OK	OK	OK	OK
Debian	7	x86_64	OK	OK	OK	OK	OK	OK
	8	x86_64		OK	OK	OK		OK
	9	x86_64			OK	OK		
SUSE Linux Enterprise Server	11, 12	x86_64	OK	OK	OK	OK	OK	OK
Windows		X86 32-bit x86_64	OK	OK	OK	OK		
Generic Linux		x86_64	OK	OK	OK	OK	OK	OK
Source			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.*

MariaDB ColumnStore			
Operating System	Arch.	MariaDB ColumnStore 1.0	MariaDB ColumnStore 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
Debian 8, 9	x86_64	OK *	OK
SUSE Linux Enterprise Server 12	x86_64	OK	OK
Source		OK	OK

\* Debian 9 from MariaDB ColumnStore 1.0.11 onwards

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

MariaDB Connector/J		
Java version	1.6 (>1.6.1)	2.x
Java 6	OK	
Java 7	OK	
Java 8	OK	OK
Source	OK	OK

MariaDB Connector/C			
Operating System	Arch.	2.3	3.0
Generic Linux	x86_64	OK	OK
Generic Linux	32-bit	OK	OK
Windows	x86_64	OK	OK
Windows	32-bit	OK	OK
Source		OK	OK

MariaDB Connector/ODBC			
Operating System	Arch.	2.0	3.0
Generic Linux	x86_64	OK	OK
Generic Linux	32-bit	OK	OK
Windows	x86_64	OK	OK
Windows	32-bit	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. When a tool is open source, we try to port it to more operating systems and versions. The following table describes the operating system support for each tool.

Operating System	Arch.	Percona XtraBackup **	WebYog Monyog	WebYog 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 32-bit 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 project 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.

Platform	Planned Deprecation Date
Red Hat Enterprise Linux 7.2	November 2017
CentOS 7.2	November 2017
Debian 7 "Wheezy"	May 2018
Red Hat Enterprise Linux 7.3	November 2018
CentOS 7.3	November 2018
Red Hat Enterprise Linux 6.7	December 2018
CentOS 6.7	December 2018
SUSE Enterprise Linux 11	March 2019
Ubuntu 14.04 LTS "Trusty"	April 2019
Red Hat Enterprise Linux 7.4	August 2019
CentOS 7.4	August 2019
Debian 8 "Jessie"	May 2020
Red Hat Enterprise Linux 6.x	November 2020
CentOS 6.x	November 2020
Ubuntu 16.04 LTS "Xenial"	April 2021
Debian 9 "Stretch"	June 2022
Red Hat Enterprise Linux 7.x	June 2024
CentOS 7.x	June 2024
Enterprise Linux 12	October 2024
Windows Vista/Windows Server 2008 and later	

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](#)
- [Windows Release Information](#)
- [SUSE Enterprise Release Information](#)

## Deprecated Package Platforms

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

Platform	Deprecation Date	Final MariaDB Version(s)		
Ubuntu 12.04 LTS "Precise"	April 2017	<a href="#">5.5.56</a>	<a href="#">10.0.31</a>	<a href="#">10.1.24</a>
Red Hat Enterprise Linux 7.1	March 2017	<a href="#">5.5.56</a>	<a href="#">10.0.31</a>	<a href="#">10.1.24</a>
CentOS 7.1	March 2017	<a href="#">5.5.56</a>	<a href="#">10.0.31</a>	<a href="#">10.1.24</a>
Red Hat Enterprise Linux 5	March 2017	<a href="#">5.5.54</a>	<a href="#">10.0.30</a>	<a href="#">10.1.22</a>
CentOS 5	March 2017	<a href="#">5.5.54</a>	<a href="#">10.0.30</a>	<a href="#">10.1.22</a>
Windows 2003 Server	April 2016	<a href="#">5.5.48</a>	<a href="#">10.0.24</a>	<a href="#">10.1.13</a>
Windows XP	April 2016	<a href="#">5.5.48</a>	<a href="#">10.0.24</a>	<a href="#">10.1.13</a>
Debian 6 "Squeeze"	February 2016	<a href="#">5.5.48</a>	<a href="#">10.0.24</a>	
Ubuntu 10.04 LTS "Lucid"	April 2015	<a href="#">5.5.43</a>	<a href="#">10.0.18</a>	
Ubuntu 8.04 LTS "Hardy"	April 2013	<a href="#">5.5.31</a>	<a href="#">10.0.2</a>	

## 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](#) provides support for all versions of MariaDB, including very old versions of MySQL. This includes packaged binaries.

# Document History

## Policy Version Control Numbering (Major and Minor Reviews)

For documents pertaining to MariaDB Corporation Policies, version numbering consists of a number followed by a period and then a two digit number (e.g., 1.23).

- The number to the left of the period describes the number of major reviews (including both scheduled and unscheduled) from the date of original publishing of the document.
- The number to the right of the period describe the number of minor reviews or amendments from the time of publication, or the last major review.

The first published version of every document is always X.00, replaced by X.01, and so on, as minor revisions occur. When a major review occurs, the number to the left of the period will increase by one, while the numbers to the right of the period revert to '00'.

- **Major reviews** are either scheduled annually, or performed when significant changes need to be made to the document. Major reviews can occur at any time, regardless of the review schedule.
- **Minor reviews** generally involve a change to a document that does not significantly impact the substance or change the original intent of the content. Minor reviews may include updates to hyperlinks, the format, the titles, operating system versions, or to tweak some aspect of a document.

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

Vers	Action	Approval Authority	Action Date
1.02	First Publication	Engineering Vice Presidents	29/06/2017
1.03	Small Content Corrections: <ul style="list-style-type: none"><li>• 64-bit becomes x86_64</li><li>• Grammar, titles, etc</li></ul> Operating System Support: <ul style="list-style-type: none"><li>• Debian 9 supported by all products and tools, except Enterprise</li></ul> MariaDB ColumnStore: <ul style="list-style-type: none"><li>• Generic Linux support removed</li><li>• Clarification for the 5 year maintenance exception for ColumnStore 1.0</li></ul> Connectors <ul style="list-style-type: none"><li>• Connector/J 2.1 and Connector/C 3.0 GA &amp; maintenance policy updates</li></ul>	Technical Support Vice President, Engineering Vice Presidents, Technical Leads, and Product Managers	04/09/2017

Vers	Action	Approval Authority	Action Date
1.04	Small content corrections: <ul style="list-style-type: none"><li>• Latest releases added</li><li>• Some format improvements</li></ul> 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	