

MARIADB CORPORATION

Engineering Policy



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MariaDB Corporation AB

The latest version of this policy may be found at:

<https://mariadb.com/engineering-policies/>

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1 Operating Systems Support, and Deprecation Policies

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, when technically possible, to provide packages for the last three MariaDB GA versions. For new versions of a distribution where MariaDB Server is included, MariaDB will provide at least the same major and upcoming versions.

When a distribution or operating system stops receiving security and other updates, it becomes difficult for MariaDB Corporation to provide packages for that platform. And it is our policy to deprecate that platform and stop providing binary packages. To get more information about the maintenance and deprecation 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 Information](#)
- [Windows Server Lifecycle Information](#)

1.1 Extended Support

Some customers require support for software after the window of standard support for the product has closed, and before the product has reached its End-Of-Life (EOL) date. For additional fees, MariaDB Corporation can offer security fixes until the EOL date. After the End-of-Life date, there is no more Engineering Support by MariaDB Corporation.

MariaDB Corporation can also offer additional operating system support to their customers on a case-by-case basis. Please [contact us](#) for more details.

1.2 Technical Support for Deprecated Platforms

If you must continue production use of an operating system or Linux distribution that is deprecated, [MariaDB Corporation](#) can provide packages or support for older versions of MariaDB upon special request and under a separate contract.

2 MariaDB Server

2.1 MariaDB Enterprise Server

Supported Versions

Version	Stable (GA) Date	End of Standard Support	End of Life Date
10.2	23 May 2017	23 May 2022	23 May 2022
10.3	25 May 2018	25 May 2023	25 May 2023
10.4	02 July 2019	02 July 2022 ¹	02 July 2024
10.5	16 July 2020	16 July 2023 ¹	16 July 2025

Supported Operating Systems

OS	OS Version	Arch.	Version 10.2	Version 10.3	Version 10.4	Version 10.5
Red Hat Enterprise Linux & CentOS ²	7.x	x86_64	OK	OK	OK	OK
Red Hat Enterprise Linux & CentOS ²	8.x	x86_64	OK	OK	OK	OK
Ubuntu	18.04	x86_64	OK	OK	OK	OK
Ubuntu	20.04	x86_64		OK	OK	OK
Debian	9	x86_64	OK	OK	OK	OK
Debian	10	x86_64		OK	OK	OK
Windows ³		x86_64	OK	OK	OK	OK
SUSE Linux Enterprise Server	12	x86_64	OK	OK	OK	OK
SUSE Linux Enterprise Server	15	x86_64	OK	OK	OK	OK

Note, we may only provide binaries for the latest major MariaDB Enterprise Server GA version when a new operating system release goes GA, or a new service pack is available.

1. Contact Sales for Extended Support.

2. CentOS packages are built on Red Hat Enterprise Linux.

3. Until the product reaches the Mainstream Support End Date.

2.2 MariaDB Enterprise Server components with limited OS coverage

MariaDB Enterprise Cluster

Supported Operating Systems

OS	OS Version	Arch.	Version 10.2	Version 10.3	Version 10.4	Version 10.5
Red Hat Enterprise Linux & CentOS ⁴	7.x	x86_64	OK	OK	OK	OK
Red Hat Enterprise Linux & CentOS ⁴	8.x	x86_64	OK	OK	OK	OK
Ubuntu	18.04	x86_64	OK	OK	OK	OK
Ubuntu	20.04	x86_64		OK	OK	OK
Debian	9	x86_64	OK	OK	OK	OK
Debian	10	x86_64		OK	OK	OK
SUSE Linux Enterprise Server	12	x86_64	OK	OK	OK	OK
SUSE Linux Enterprise Server	15	x86_64	OK	OK	OK	OK

MariaDB Enterprise (ColumnStore)

Supported Operating Systems

OS	OS Version	Arch.	Version 5.4 5	Version 5.5 5
Red Hat Enterprise Linux & CentOS ⁴	7.x	x86_64	OK	OK
Red Hat Enterprise Linux & CentOS ⁴	8.x	x86_64	OK	OK
Ubuntu	18.04	x86_64	OK	OK
Ubuntu	20.04	x86_64	OK	OK
Debian	9	x86_64	OK	OK
Debian	10	x86_64	OK	OK
SUSE Linux Enterprise Server	12	x86_64	OK	OK
SUSE Linux Enterprise Server	15	x86_64	OK	OK

4. CentOS packages are built on Red Hat Enterprise Linux.

5. MariaDB Enterprise ColumnStore ColumnStore 5.4 & 5.5 are only available with MariaDB Enterprise Server 10.5.

3 MariaDB ColumnStore

Supported Versions

Version	Stable (GA) Date	Based on MariaDB Server X EOL	End of Life Date
1.2	3 December 2018	10.3	25 May 2023

Supported Operating Systems

OS	OS Version	Arch.	Version 1.2
Red Hat Enterprise Linux & CentOS 6	7.x	x86_64	OK
Ubuntu	18.04	x86_64	OK
Debian	9	x86_64	OK
SUSE Linux Enterprise Server	12	x86_64	OK

6. CentOS packages are built on Red Hat Enterprise Linux.

4 MariaDB MaxScale

Supported versions

Version	Stable (GA) Date	End of Life Date
2.3	December 2018	01 January 2022
2.4	August 2019	01 January 2023
2.5	July 2020	01 January 2024

Supported Operating Systems

OS	OS Version	Arch.	Version 2.3	Version 2.4	Version 2.5
Red Hat Enterprise Linux & CentOS ⁷	7.x	x86_64	OK	OK	OK
Red Hat Enterprise Linux & CentOS ⁷	8.x	x86_64	OK	OK	OK
Ubuntu	18.04	x86_64	OK	OK	OK
Ubuntu	20.04	x86_64	OK	OK	OK
Debian	9	x86_64	OK	OK	OK
Debian	10	x86_64	OK	OK	OK
SUSE Linux Enterprise Server	12	x86_64	OK	OK	OK
SUSE Linux Enterprise Server	15	x86_64	OK	OK	OK
Generic Linux		x86_64	OK	OK	OK

⁷ CentOS packages are built on Red Hat Enterprise Linux.

.. Not in the OEM policy - start

5 MariaDB Xpand

Supported versions

Version	Stable (GA) Date	End of Life Date
ClustrixDB 9.2	October 2019	October 2021 or until two major releases exist
5.3	December 2020	December 2022 or until two major releases exist

Supported Operating Systems

OS	OS Version	Arch	ClustrixDB 9.2	5.3
Red Hat Enterprise Linux & CentOS	7.4+	x86_64	OK	OK

6 MariaDB Connectors

6.1 MariaDB Connector/J

Supported versions

Version	Stable (GA) Date	End of Life Date
1.8	February 2019	February 2024, or EOL Java 7, or when a newer, 100% compatible major version exists
2.7	September 2020	September 2025, or EOL Java 8, or when a newer 100% compatible major version exists

Java Supported Versions

Java Version	Jave EOL ⁸	Version 1.8	Version 2.x
Java 7	July 2022	OK	
Java 8	March 2025		OK
Java 11	September 2026		OK

⁸ EOL date based on the Oracle Java SE Support Roadmap - "extended Support".

6.2 MariaDB Connector/R2DBC

Supported versions

Version	Stable (GA) Date	End of Life Date
1.0	January 2020	January 2025, or EOL Java 8, or when a newer, 100% compatible major version exists

Java Supported Versions

Java Version	Jave EOL ⁹	Version 1.0
Java 8	March 2025	OK
Java 11	September 2026	OK

9. EOL date based on the Oracle Java SE Support Roadmap - "extended Support".

6.3 MariaDB Connector/ODBC

Supported versions

Version	Stable (GA) Date	End of Life Date
3.1	May 2019	May 2024, or when a newer, 100% compatible major version exists

Supported Operating Systems

OS	OS Version	Arch.	Version 3.1
Red Hat Enterprise Linux & CentOS <i>10</i>	7.x	x86_64	OK
Red Hat Enterprise Linux & CentOS <i>10</i>	8.x	x86_64	OK
Ubuntu	18.04	x86_64	OK
Ubuntu	20.04	x86_64	OK
Debian	9	x86_64	OK
Debian	10	x86_64	OK
SUSE Linux Enterprise Server	12	x86_64	OK
SUSE Linux Enterprise Server	15	x86_64	OK
Windows <i>11</i>		x86_64	OK
macOS		x86_64	OK

10. CentOS packages are built on Red Hat Enterprise Linux.

11. Until the product reaches the Mainstream Support End Date.

6.4 MariaDB Connector/C

Supported versions

Version	Stable (GA) Date	End of Life Date
2.3	July 2016	July 2021, or when a newer, 100% compatible major version exists
3.1	June 2019	June 2024, or when a newer, 100% compatible major version exists

Supported Operating Systems

OS	OS Version	Arch.	Version 2.3	Version 3.1
Red Hat Enterprise Linux & CentOS ¹²	7.x	x86_64		OK
Red Hat Enterprise Linux & CentOS ¹²	8.x	x86_64		OK
Ubuntu	18.04	x86_64		OK
Ubuntu	20.04	x86_64		OK
Debian	9	x86_64		OK
Debian	10	x86_64		OK
SUSE Linux Enterprise Server	12	x86_64		OK
SUSE Linux Enterprise Server	15	x86_64		OK
Generic Linux		x86_64	OK	
Windows ¹³		x86_64	OK	OK

¹². CentOS packages are built on Red Hat Enterprise Linux.

¹³. Until the product reaches the Mainstream Support End Date.

6.5 MariaDB Connector/C++

Supported versions

Version	Stable (GA) Date	End of Life Date
1.0	February 2021	February 2026, or when a newer, 100% compatible major version exists

Supported Operating Systems

OS	OS Version	Arch.	Version 1.0
Red Hat Enterprise Linux & CentOS ¹⁴	7.x	x86_64	OK
Red Hat Enterprise Linux & CentOS ¹⁴	8.x	x86_64	OK
Ubuntu	18.04	x86_64	OK
Ubuntu	20.04	x86_64	OK
Debian	9	x86_64	OK
Debian	10	x86_64	OK
SUSE Linux Enterprise Server	12	x86_64	OK
SUSE Linux Enterprise Server	15	x86_64	OK
Windows ¹⁵		x86_64	OK

¹⁴. CentOS packages are built on Red Hat Enterprise Linux.

¹⁵. Until the product reaches the Mainstream Support End Date.

6.6 MariaDB Connector/Node.js

Supported Versions

Version	Stable (GA) Date	End of Life Date
2.5	October 2020	October 2025, or EOL Node.js 10.x, or when a newer, 100% compatible major version exists

Supported Node.js Versions

Node.js Version	Version 2.5
Node.js 10	OK
Node.js 12	OK
Node.js 14	OK
Node.js 16	OK

6.7 MariaDB Connector/Python

Supported versions

Distribution	Version	Version 1.0
python.org	3.6	OK
python.org	3.7	OK
python.org	3.8	OK

Supported Python Versions

Version	Stable (GA) Date	End of Life Date
1.0	June 2020	May 2025, or EOL Node.js 10.x, or when a newer, 100% compatible major version exists

7 Appendix

7.1 Release Policy

Versioning Scheme

MariaDB Products follow the following versioning scheme.

Product	Versioning scheme
MariaDB Enterprise Server MariaDB ColumnStore MariaDB MaxScale Xpand (ClustrixDB) MariaDB Connector/J MariaDB Connector/R2DBC MariaDB Connector/Node.js MariaDB Connector/C MariaDB Connector/C++ MariaDB Connector/ODBC	<ul style="list-style-type: none">• Primary: Compatibility Version• Secondary: Release Series• Tertiary: Maintenance release number• Quaternary: Sequence number (where applicable)

- A Release Series (e.g., 10.5 or 10.4 for MariaDB ES) is a version supported with an EOL (end of life) and an EOS (end of support) date.
- Fixes to issues in a Release Series are provided through new Maintenance Releases.
- New features are added together with the release of a new Release Series.
- Backward compatibility is not guaranteed between different Compatibility Versions (API compatibility for connectors).
- The typical focus of Maintenance Releases is to provide only bug fixes and to mitigate security issues.
- The EOL (end of life) date is when security fixes are no longer produced.
- The EOS (end of support) date is when standard support is no longer provided.

Release numbering does not indicate the maturity of a release (i.e. Alpha, Beta, Release Candidate or General Availability). Instead, maturity is indicated in the release notes next to the version number (e.g., MariaDB Server 10.2.5 Release Candidate). Note that a Release Series is not supported until the GA maturity level is reached.

Plugin & Storage Engine Maturity

This Maturity Policy is designed to help recognize what the maturity levels of the plugins and engines mean and what is required for each maturity level. This policy also describes version numbering and the process and conditions for changing the maturity level.

Experimental

The new plugin or storage engine is under development and regularly gets new features, at a fast pace and with little maintenance. New major versions for an existing plugin will always enter in Experimental maturity unless the MariaDB Corporation Server Steering Committee decides otherwise, based on a well-established plugin-focused QA effort.

Beta

The plugin or storage engine is within a cycle where no new major features are added, though some minor features and changes are created. The plugin or storage engine may have open known critical bugs but no “blocker” bugs. The plugin or storage engine may not have a fully-defined user experience or complete documentation.

Gamma

The plugin or storage engine is entering a maintenance cycle where no new features are actively added. It can still have a limited number of open bugs if they have a documented workaround. There also does not need to be a complete user experience with documentation yet.

Stable

The plugin or storage engine is ready for production usage. The plugin or storage engine also has a fully-defined user experience and complete documentation. It can be loaded by default in MariaDB Enterprise.

A plugin or storage engine can move up only one level in maturity with each minor release of the server (e.g. 10.4.9 to 10.4.10).

Also, a plugin or an engine have their own, independent maturity and can:

- only be of GA maturity in MariaDB Enterprise Server,
- only be of the same or one less maturity in a GA version of MariaDB Community,
- be of any maturity for a MariaDB Server development release.

To see more details on all the MariaDB Server plugin maturity [here](#).

Release notes and changelogs will be provided for every released version.

Maintenance Duration

MariaDB Enterprise Server has a fixed release schedule for maintenance releases that is documented on the mariadb.com website. Generally, MariaDB Enterprise Server will have a new maintenance release once per quarter.

Lifespan is defined for each product Release Series. MariaDB Engineering maintains the Release Series of MariaDB products for a defined number of years from the date of the first GA release until the Release Series' End Of Life (EOL) date. After the End of Support (EOS) date, only security fixes will be provided.

For each Release Series of a product:

- Between the first GA release and the EOS date, bugs and security issues that have been reported are fixed and released in maintenance releases.
- Between the EOS date and the EOL date, security fixes will be provided in maintenance releases.
- After the End of Life date, no engineering support is provided.

Versions no longer supported

MariaDB Community Server

Version	Stable (GA) Date	End of Life Date
5.5	11 April 2012	11 April 2020
10.0	31 March 2014	31 March 2019
10.1	17 October 2015	17 October 2020

MariaDB ColumnStore

Version	Stable (GA) Date	End of Life Date
1.0	14 December 2016	17 October 2020
1.1	21 November 2017	16 November 2020

MariaDB MaxScale

Version	Stable (GA) Date	End of Life Date
2.2	February 2018	01 January 2020

ClustrixDB

Version	Stable (GA) Date	End of Life Date
8.0	March 2017	March 2019
9.0	December 2017	December 2019
9.1	March 2018	March 2020

MariaDB Connector/J

Version	Stable (GA) Date	End of Life Date
2.2	November 2017	September 7, 2018
2.3	September 2018	January 29, 2019
2.4	January 2019	November 22, 2019
2.5	November 2019	March 20, 2020
2.6	March 2019	September 25, 2020

MariaDB Connector/ODBC

Version	Stable (GA) Date	End of Life Date
3.0	October 2017	May 9, 2019

MariaDB Connector/C

Version	Stable (GA) Date	End of Life Date
3.0	July 2016	June 19, 2019

MariaDB Connector/Node.js

Version	Stable (GA) Date	End of Life Date
2.0	January 2019	July 12, 2019
2.1	July 2019	February 4, 2020
2.2	February 2020	March 20, 2020
2.3	March 2020	May 26, 2020
2.4	May 2020	October 19, 2020

7.2 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.

7.3 Engineering Policy Changes

Updated in version 4.06 of this policy:

- Operating System Support:
 - MariaDB products don't support Ubuntu 16.04 anymore
 - Node.js 16 is now supported by the Connector/Node.js 2.5