MARIADB PLC

Engineering Policy

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The latest version of this policy may be found at:

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

The latest version of the Subscription Services Policy may be found at:

https://mariadb.com/subscription-services-policies/

Contents

1 Operating Systems Support, and Deprecation Policies

MariaDB plc 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.

It is our policy that when a distribution or an operating system stops receiving security and other updates, we will deprecate that platform and stop providing binary packages across all MariaDB products and release series. To get more information about the maintenance and depreciation policies for those operating systems, please consult the following information pages:

- CentOS Release Information / Red Hat Release Information (RHEL in this document)
- Ubuntu Release Information
- Debian Release Information
- SUSE Enterprise Release Information (SLES in this document)
- Windows Client Lifecycle Information
- Windows Server Lifecycle Information

When a Java, Node.js, or Python version stops receiving security and other updates, it becomes difficult for MariaDB plc to provide a MariaDB Connector for that version. In this case, our policy is to deprecate an affected MariaDB Connector. To get more information about the maintenance and depreciation policies for Java, Node.js or Python, please consult the following information pages:

- Oracle Java SE Support Roadmap
- Node.js Releases
- Python End of Life branches / Status of Python branches

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 plc can offer security and critical bug fixes until the EOL date. After the End-Of-Life date, there is no more Engineering Support by MariaDB plc.

1.2 Technical Support for Deprecated Platforms

If you must continue production use of an operating system or Linux distribution that is deprecated, MariaDB plc 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
10.4	02 July 2019	02 July 2022 *1*	02 July 2024
10.5	16 July 2020	16 July 2024 *1*	16 July 2025
10.6	23 August 2021	23 August 2025 *1*	23 August 2026

Supported Operating Systems

OS		10.4	10.5	10.6
RHEL & CentOS *2*	7.x	X86_64	X86_64	X86_64
RHEL & Rocky Linux *3*	8.x	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
RHEL & Rocky Linux *3*	9.x		X86_64, ARM64	X86_64, ARM64
Ubuntu	20.04	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Ubuntu	22.04			X86_64, ARM64
Debian	10	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Debian	11		X86_64, ARM64	X86_64, ARM64
Debian	12			X86_64, ARM64
Windows *4*		X86_64	X86_64	X86_64
SLES	12	X86_64	X86_64	X86_64
SLES	15	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64

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 RHEL.

3. Supported using RHEL packages on Rocky Linux.

4. 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		10.4	10.5	10.6
RHEL & CentOS *1*	7.x	X86_64	X86_64	X86_64
RHEL & Rocky Linux *2*	8.x	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
RHEL & Rocky Linux *2*	9.x		X86_64, ARM64	X86_64, ARM64
Ubuntu	20.04	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Ubuntu	22.04			X86_64, ARM64
Debian	10	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Debian	11		X86_64, ARM64	X86_64, ARM64
Debian	12			X86_64, ARM64
SLES	12	X86_64	X86_64	X86_64
SLES	15	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64

1. CentOS packages are built on RHEL.

2. Supported using RHEL packages on Rocky Linux.

MariaDB Enterprise (ColumnStore)

Supported Operating Systems

OS		5.X *1*	6.X *2*	22.08.X *3*	23.02.X *4*
RHEL & CentOS *5*	7.x	X86_64	X86_64	X86_64	X86_64
RHEL & Rocky Linux *6*	8.x	X86_64	X86_64	X86_64, ARM64	X86_64, ARM64
RHEL & Rocky Linux *6*	9.x			X86_64, ARM64	X86_64, ARM64
Ubuntu	20.04	X86_64	X86_64	X86_64, ARM64	X86_64, ARM64
Ubuntu	22.04			X86_64, ARM64	X86_64, ARM64
Debian	10	X86_64	X86_64		
Debian	11			X86_64, ARM64	X86_64, ARM64

1. MariaDB Enterprise ColumnStore 5.X is only available with MariaDB Enterprise Server 10.5.

2. MariaDB Enterprise ColumnStore 6.X is only available with MariaDB Enterprise Server 10.6, until 10.6.9.

3. MariaDB Enterprise ColumnStore 22.08.X is only available with MariaDB Enterprise Server 10.6.9-5, until 10.6.11-6.

4. MariaDB Enterprise ColumnStore 23.02.X is only available with MariaDB Enterprise Server 10.6.12-7 and later.

5. CentOS packages are built on RHEL.

6. Supported using RHEL packages on Rocky Linux.

3 MariaDB Xpand

Supported versions

Version	Stable (GA) Date	End of Life Date
6	March 2022	March 2024 or until two major releases exist
6.1	February 2023	February 2025 or until two major releases exist

Supported Operating Systems

OS		6.0	6.1
RHEL & CentOS	7.4+	X86_64	X86_64

4 MariaDB MaxScale

Supported versions

Version	Stable (GA) Date	End of Life Date
2.5	July 2020	01 January 2024
6	August 2021	01 January 2025
22.08	August 2022	January 01, 2026
23.02	March 2023	January 01, 2027

Supported Operating Systems

OS *1*		2.5	6	22.08	23.02
RHEL & CentOS *2*	7.x	X86_64	X86_64	X86_64	X86_64
RHEL & Rocky Linux *3*	8.x	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
RHEL & Rocky Linux *3*	9.x	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Ubuntu	20.04	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Ubuntu	22.04		X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Debian	10	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Debian	11	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
Debian	12	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64
SLES	15	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64	X86_64, ARM64

1. Both a package and a tarfile are provided for each supported operating system.

2. CentOS packages are built on RHEL.

3. Supported using RHEL packages on Rocky Linux.

5 MariaDB Connectors

5.1 MariaDB Connector/J

Supported versions

Version	Stable (GA) Date	End of Life Date
2.7	September 2020	September 2025, or EOL *1* Java 8, or when a newer 100% compatible major version exists
3.2	November 2022	November 2027, or EOL *2* Java 8, or when a newer 100% compatible major version exists

Java Supported Versions

Java Version	2.x	3.2
8	OK	OK
11	OK	OK
17	OK	OK

1. EOL date based on the Oracle Java SE Support Roadmap - "Extended Support".

5.2 MariaDB Connector/R2DBC

Supported versions

Version	Stable (GA) Date	End of Life Date
1.1	June 2022	June 2027, or EOL *1* Java 17, or when a newer, 100% compatible major version exists

1. EOL date based on the Oracle Java SE Support Roadmap - "Extended Support".

Java Supported Versions

Java Version	1.8
8	OK
11	OK
17	OK

5.3 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		3.1
RHEL & CentOS *1*	7.x	X86_64
RHEL & Rocky Linux *2*	8.x	X86_64
Ubuntu	20.04	X86_64
Ubuntu	22.04	X86_64
Debian	10	X86_64
Debian	11	X86_64
SLES	12	X86_64
SLES	15	X86_64
Windows *3*		X86_64, X86_32
macOS		X86_64

1. CentOS packages are built on RHEL.

2. Supported using RHEL packages on Rocky Linux.

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

5.4 MariaDB Connector/C

Supported versions

Version	Stable (GA) Date	End of Life Date
3.1	June 2019	June 2024, or when a newer 100% compatible version exists
3.3	July 2022	July 2027, or when a newer, 100% compatible major version exists

Supported Operating Systems

OS		3.1	3.3
RHEL & CentOS *1*	7.x	X86_64	X86_64
RHEL & Rocky Linux *2*	8.x	X86_64	X86_64
RHEL & Rocky Linux *2*	9.x	X86_64	X86_64
Ubuntu	20.04	X86_64	X86_64
Ubuntu	22.04		X86_64
Debian	10	X86_64	X86_64
Debian	11	X86_64	X86_64
SLES	12	X86_64	X86_64
SLES	15	X86_64	X86_64
Generic Linux		X86_64	X86_64
Windows *3*		X86_64, X86_32	X86_64, X86_32

1. CentOS packages are built on RHEL.

2. Supported using RHEL packages on Rocky Linux.

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

5.5 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		1.0
RHEL & Rocky Linux *1*	8.x	X86_64, ARM64
RHEL & Rocky Linux *1*	9.x	X86_64, ARM64
Ubuntu	20.04	X86_64, ARM64
Ubuntu	22.04	X86_64, ARM64
Debian	10	X86_64, ARM64
Debian	11	X86_64, ARM64
SLES	15	X86_64
Windows *2*		X86_64, X86_32

1. Supported using RHEL packages on Rocky Linux.

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

5.6 MariaDB Connector/Node.js

Supported Versions

Version	Stable (GA) Date	End of Life Date
2.5	October 2020	October 2025, or EOL Node.js 14.x, or when a newer, 100% compatible major version exists
3.2	February 2023	January 2028, or EOL Node.js 18.x, or when a newer, 100% compatible major version exists

Supported Node.js Versions

Node.js LTS Version	2.5	3.2
16	OK	OK
18		OK
20		OK

5.7 MariaDB Connector/Python

Supported Python Versions

Version	Stable (GA) Date	End of Life Date
1.0	June 2020	June 2025, or EOL Python 3.8, or when a newer, 100% compatible major version exists
1.1	June 2022	June 2027, or EOL Python 3.10, or when a newer, 100% compatible major version exists

Supported versions

Python Version	1.0 *1*	1.1 *1*
3.7	OK	OK
3.8	OK	OK
3.9	OK	OK
3.10	OK	OK
3.11		OK

1. For supported Operating Systems, see MariaDB Connector/C 3.3, which is required for MariaDB Connector/Python.

6 Appendix

6.1 Release Policy

Versioning Scheme

MariaDB products follow the following versioning scheme.

Product	Versioning scheme
MariaDB Enterprise Server MariaDB ColumnStore Xpand (ClustrixDB) MariaDB MaxScale MariaDB Shell MariaDB Connector/J MariaDB Connector/R2DBC MariaDB Connector/Node.js MariaDB Connector/C MariaDB Connector/C++ MariaDB Connector/ODBC	• 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 Enterprise Server) 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 after which security fixes and maintenance releases are no longer produced.
- The EOS (end of standard support) date is after which standard support and common bug fixes are no longer provided. Extended support is still available until the EOL date.

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 Experimental maturity unless the MariaDB plc 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 added. The plugin or storage engine could contain known bugs that have documented workarounds. The plugin or storage engine may have a partially defined user experience or complete documentation.

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 has its 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.

Maintenance Releases Schedule

MariaDB Enterprise Server has a fixed release schedule for maintenance releases documented on the mariadb.com website. Generally, MariaDB Enterprise Server will have a new maintenance release once per quarter. Other products typically follow similar cadences.

Release notes will be provided for every released version.

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 Enterprise Server and MariaDB Enterprise Cluster

Version	Stable (GA) Date	End of Life Date
10.2	23 May 2017	23 May 2022
10.3	25 May 2018	25 May 2023

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
1.2	3 December 2018	3 December 2021

MariaDB MaxScale

Version	Stable (GA) Date	End of Life Date
2.2	February 2018	January 2020
2.3	December 2018	January 2022
2.4	August 2019	January 2023

ClustrixDB/Xpand

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
9.2	October 2019	October 2021
5.3	December 2020	June 2023

MariaDB Connector/J

Version	Stable (GA) Date	End of Life Date
1.8	February 2019	July 31, 2022
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 2020	September 25, 2020
3.0	January 2022	November 2022

MariaDB Connector/R2DBC

Version	Stable (GA) Date	End of Life Date
1.0	January 2020	June 27, 2022

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
2.3	July 2016	July 2021
3.0	July 2016	June 19, 2019
3.2	July 2021	Release date next 3.3

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
3.0	February 2022	February 2023

6.2 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.
- **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.

6.3 Engineering Policy Changes

Updated in this policy version:

- Existing product version updates:
  - MariaDB Xpand 5.3 is EOL.
  - MariaDB Connector/J 3.1 has been replaced by 3.2.
  - MariaDB Connector/Node.js 3.1 has been replaced by 3.2, which supports Node.js 20.
  - MariaDB Connector/Python 1.1 supports Python 3.11.
- Operating System Support:
  - Debian 12 is now supported on MariaDB Enterprise, MariaDB Enterprise Cluster and MariaDB MaxScale.