

---

**IBM z Systems  
Introduction  
May 2017**

**MariaDB and IBM z Systems**  
Frequently Asked Questions

Worldwide



ZSQ03086-USEN-01

---

## MariaDB and IBM z Systems

### What is MariaDB and how does it deliver value?

MariaDB is a community-developed fork of the popular MySQL relational database management system, and it is intended to remain free under the GNU GPL. Being a fork of a leading open source software product, it is notable for being led by the original developers of MySQL, who forked it due to concerns over its acquisition by Oracle. Contributors are required to share their copyright with the MariaDB Foundation.

MariaDB delivers value through the following aspects:

- Backward compatibility with MySQL
- Perpetually open source
- More cutting edge technologies and more storage engines than MySQL

### How are clients using MariaDB?

The combination of Linux®, Apache, MySQL/MariaDB, and PHP/Python/Perl— together known as LAMP—is perhaps the most commonly used web service solution stack. Common use cases are:

- Web and mobile applications
- Content management systems
- E-commerce and ticketing
- Search and advertising
- Business intelligence and analytics
- Games, entertainment, and social media

Many IBM clients and partners use MariaDB as an alternative to MySQL and Microsoft SQL Server because MariaDB future-proofs their database investment, obtains better value, and developers and IT departments want to leverage the default database from their Linux distributions and simplify deployments as well.

### How is IBM working with the community and MariaDB, Inc.?

IBM actively contributes to the MariaDB community to ensure that the latest MariaDB works out of the box on IBM platforms. The effort includes fixing bugs, porting new features and optimizing for IBM platforms. For example, IBM has recently built and validated MariaDB with Galera Cluster capability on IBM z Systems®. IBM partners with MariaDB, Inc. to deliver MariaDB Enterprise for IBM platforms and 24/7 support services to IBM customers with business and mission-critical application needs. This partnership has helped many IBM customers running Linux on Power®, and IBM is working to extend the partnership to cover IBM z Systems as well.

### What IBM products and services work with MariaDB?

MariaDB Inc. currently partners with IBM to deliver MariaDB Enterprise solution to Linux on Power Systems™. MariaDB Enterprise extends MariaDB 10 with certified binaries and continuous value delivery to optimize MariaDB for the most challenging use cases. MariaDB is also certified on IBM z Systems running Red Hat Enterprise Linux and SUSE Linux Enterprise Server.

## How does MariaDB work with z Systems?

The MariaDB community version runs out of box on Linux on z Systems. You can install MariaDB 5.x through Yum on RHEL or Zypper on SLES. See the *Installation guide for MariaDB 10.x* (<https://github.com/linux-on-ibm-z/docs/wiki/Building-MariaDB-10.0>). MariaDB Inc. and IBM are working together to bring MariaDB Enterprise to z Systems.

## What benefits do clients gain by running MariaDB on z Systems?

IBM z Systems offers state-of-the-art hardware, world-class security and the capability to scale MariaDB with IBM's industry-leading mainframe virtualization technologies. Clients can easily consolidate clusters with many servers on one mainframe. IBM z Systems can host more servers per core than any other system with high-speed encryption, disaster recovery, and continuous availability solutions.

For more information, go to <https://mariadb.org>

For more information, see *MariaDB* (<https://mariadb.org/>).



©Copyright IBM Corporation 2017

IBM Corporation  
New Orchard Road  
Armonk, NY 10504  
U.S.A.

Produced in the United States of America,  
05/2017

IBM, IBM logo, Power, Power Systems and z Systems are trademarks or registered trademarks of the International Business Machines Corporation.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

InfiniBand and InfiniBand Trade Association are registered trademarks of the InfiniBand Trade Association.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

OpenStack is a trademark of OpenStack LLC. The OpenStack trademark policy is available on the [OpenStack website](#).

TEALEAF is a registered trademark of Tealeaf, an IBM Company.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Worklight is a trademark or registered trademark of Worklight, an IBM Company.

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates. It is the user's responsibility to evaluate and verify the operation of any other products or programs with IBM products and p5n4xrograms.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT. IBM products are warranted according to the terms and conditions of the agreements under which they are provided.