

# What is MySQL?

## TOP BENEFITS

- **Open Source** – MySQL is available under GPL v2. Oracle provides a dual-license model to meet the needs of commercial distributors (OEMs, ISVs) and enterprise customers.
- **Ease of Use** – One of the reasons why MySQL is so popular with developers is its ease of use. Developers can install MySQL in minutes and it's easy to manage.
- **Reliability** – Organizations depend on MySQL to run their business-critical applications because of its reliability. What we hear over and over is “MySQL just works.”
- **Performance** – Visit the [MySQL Benchmarks](#) page to see the latest performance improvements and run your own benchmarks using the popular open source SysBench Benchmark Tool.
- **Security** – MySQL includes hardened security features which makes deployments secure by default. [MySQL Enterprise Edition](#) includes advanced security including transparent data encryption, auditing, data masking, and database firewall.

MySQL is the world's most popular open source database because of its reliability, high-performance, and ease of use. MySQL combines the benefits of the most widely adopted open source database with the backing of the MySQL Engineering Team at Oracle. As a result, MySQL users benefit from both, a strong ecosystem with millions of users, as well as the support of the world's leading database company.

## FOR WEB-SCALE LEADERS

Some of the world's most successful websites such as Twitter, Facebook, LinkedIn, Booking.com, Uber, Airbnb, and many more started with MySQL, scaled with MySQL, and continue to rely on MySQL for their mission critical applications.

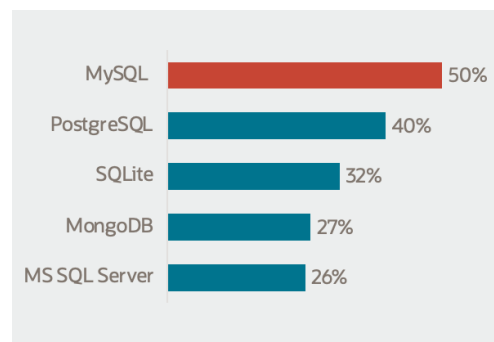
## FOR OPEN SOURCE APPLICATIONS

MySQL has become the database of choice for many of the most successful open source applications like WordPress, Drupal, Joomla, Magento, and many more. MySQL is the “M” in the LAMP stack that powers the open source revolution.

## FOR DEVELOPERS

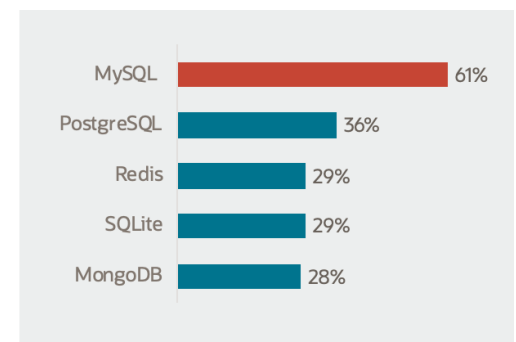
It has always been ranked the developers' favorite database because, as developers say, “it's easy to use and simply just works.” MySQL is the most popular database for developers, according to [Stack Overflow](#) and [JetBrains](#) who surveyed 65,000+ developers.

Most popular databases



[Stack Overflow survey 2021](#)

Databases used in the last 12 months



[JetBrains survey 2021](#)

## DEVELOPMENT LANGUAGE AND DRIVER SUPPORT

PHP	Python	Java/JDBC	Node.js
Perl	Ruby	Go	Rust
C	C++	C#	ODBC

## CELEBRATING 25+ YEARS OF SUCCESS

- 1995: The first version of MySQL Server was released by the Swedish company MySQL AB. Also, PHP was first released.
- 2000: The MySQL project was released as open source under the GNU General Public License (GPL).
- 2008: MySQL acquired by Sun Microsystems.
- 2009: Oracle acquires Sun in 2009.
- Oracle ramps up investment in MySQL, resulting in the best MySQL releases ever, including MySQL 5.6, MySQL 5.7, MySQL 8.0 and MySQL Enterprise Edition.
- 2020: Oracle releases MySQL HeatWave, the only MySQL cloud service with an integrated, high-performance analytics engine.
- 2021 Oracle releases MySQL Autopilot for MySQL HeatWave with new machine learning-powered automation capabilities.
- 2022 Oracle releases MySQL HeatWave ML, the easiest, fastest, and least expensive way to add powerful machine learning capabilities.

## POPULAR USE CASES

- **OLTP and OLAP Applications** – MySQL Database Service with HeatWave is the only service that enables database admins and app developers to run OLTP and OLAP workloads directly from their MySQL database, eliminating the need for complex, time-consuming, and expensive data movement and integration with a separate analytics database.
- **SQL and NoSQL Applications** – MySQL Document Store gives users maximum flexibility developing SQL and NoSQL, schema-free document database applications. Unlike other document databases, MySQL Document Store gives you the simplicity of performing CRUD operations as well as the power of SQL to query data from JSON documents for reporting and analytics.
- **Web and eCommerce Applications** – Many of the world's most successful web and eCommerce applications run on MySQL. MySQL is a popular choice for managing user profiles, credentials, user content, and financial data including payments.
- **SaaS and ISVs** – Over 2000 ISVs, OEMs, and VARs including Ericsson, F5, and IBM rely on MySQL as their embedded database to make their applications, hardware, and appliances more competitive, bring them to market faster, and lower their Cost of Goods Sold (COGS).
- **Cloud Applications** – MySQL is the most popular database for cloud applications. MySQL Database Service with HeatWave is a fully managed database service that lets developers quickly develop and deploy secure OLTP and OLAP applications.

## MYSQL ENTERPRISE EDITION

MySQL Enterprise Edition includes the most comprehensive set of advanced features, management tools, and technical support to achieve the highest levels of MySQL scalability, security, reliability, and uptime. It reduces the risk, cost, and complexity in developing, deploying, and managing business-critical MySQL applications. It includes MySQL Enterprise Backup, Monitor, Firewall, Audit, TDE Encryption, and Authentication that are necessary to meet regulatory and industry compliance.

## MYSQL HEATWAVE FOR OLTP, OLAP, AND ML

Oracle provides MySQL HeatWave, which provides the following advantages over competitors:

### Cheaper than Amazon

- 1/2 the Cost of Amazon Aurora
- 1/5 the Cost of Snowflake

### Faster Performance

- 1400x Faster than Amazon Aurora
- 6.8x Faster than Snowflake

### MySQL HeatWave ML

- Native, in-database ML
- 25x Faster than Redshift ML

## GETTING STARTED WITH MYSQL HEATWAVE IS SIMPLE:



Sign up for MySQL HeatWave Free Trial

[Get access to the Oracle Cloud 30-day trial](#)



Learn with simple tutorials

[Discover how to create and connect to the MySQL HeatWave with video tutorials](#)



Start building with MySQL HeatWave

[Start building with the Getting Started Guide](#)

