

SQL Databases

Top 5 databases as of 2020 :

MySQL

PostgreSQL

Microsoft SQL Server

SQLite

MongoDB

MySQL

MySQL has been at the top of the popularity ranking for several years . Why? It's free, works for most applications, and runs on most popular platforms, including Linux, Windows, and macOS . MySQL has stand-alone clients that allow users to interact directly with a MySQL database using SQL, but more often, MySQL is used with other programs to implement applications that need relational database capability . MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress .

PostgreSQL

PostgreSQL is free, open-source, and will work in all possible situations and on all platforms . It has a very dynamic community of users who help develop the project and write their own plugins and extensions . PostgreSQL is a powerful, open source object-relational database system with over 30 years of active development that has earned it a strong reputation for reliability, feature robustness, and performance .

Microsoft SQL Server

Microsoft SQL Server is a relational database management system (RDBMS) developed by Microsoft . One of the most essential functions of SQL Server is to provide data to other software applications (clients) . To interact with SQL Server databases and manage or query their data, you can use the Transact-SQL (T-SQL) language, an extension of the SQL standard . As a database server, it is a software product with the primary function of storing and retrieving data as requested by other software applications—which may run either on the same computer or on another computer across a network .

SQLite

SQLite is free to use and available under an open-source license . Even the SQLite source code is in the public domain . SQLite is most often chosen by mobile app developers . The database content is stored in one file (up to 140 TB) . The library implements the SQL engine, making it possible to use the database without having to run a separate RDBMS process . For applications, this is often very practical .

MongoDB

MongoDB is the only solution in the top five that is not based on a relational database . In this open-source offering, data is stored in JSON or BSON (Binary JSON) files . MongoDB can easily cope with specific applications, e . g . as a website data store or log aggregator . In a traditional database, processing these types of files could be burdensome .