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Maria DB

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Maestría en analítica de datos

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Logo

A little bit of history...

- Launched on 2009
- Created by Michael Widenius, who also created MySQL
- Coded mainly in C and C++.
- API's and several features equals to MySQL with some process optimization
- Open source

Requirements

- Native installation in Windows and Linux
- RAM 1GB - Minimum storage required: 1GB
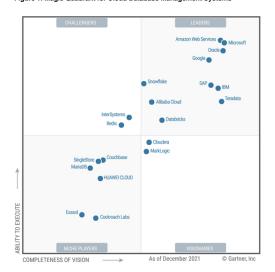- System architecture 32/64 bits
- TCP/IP

Advantages

1. More efficient data storage motors: Aria and XtraDB
2. Encrypted database
3. LDAP sync
4. Process optimization running complex querys and large store procedures
5. Better performance
6. Easy integration with programming and frameworks languages: Python, Node.js, etc
7. Provides tables and database schemas statistics in order to get them optimizated

Generalities
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Disadvantages

1. Only supports JSON datatypes after 10.2 version release
2. Support assistant is paid

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Gartner Magic Square

Figure 1: Magic Quadrant for Cloud Database Management Systems

Source: Gartner (December 2021)

Big companies using MariaDB

- IBM
- Accenture
- Grooveshark
- Microsoft
- Servicenow
- Docplanner

Useful links

- Environment setup
- Environment setup 2
- Linux installation
- How to create tables, functions and triggers

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