

MySQL, Where are you going?

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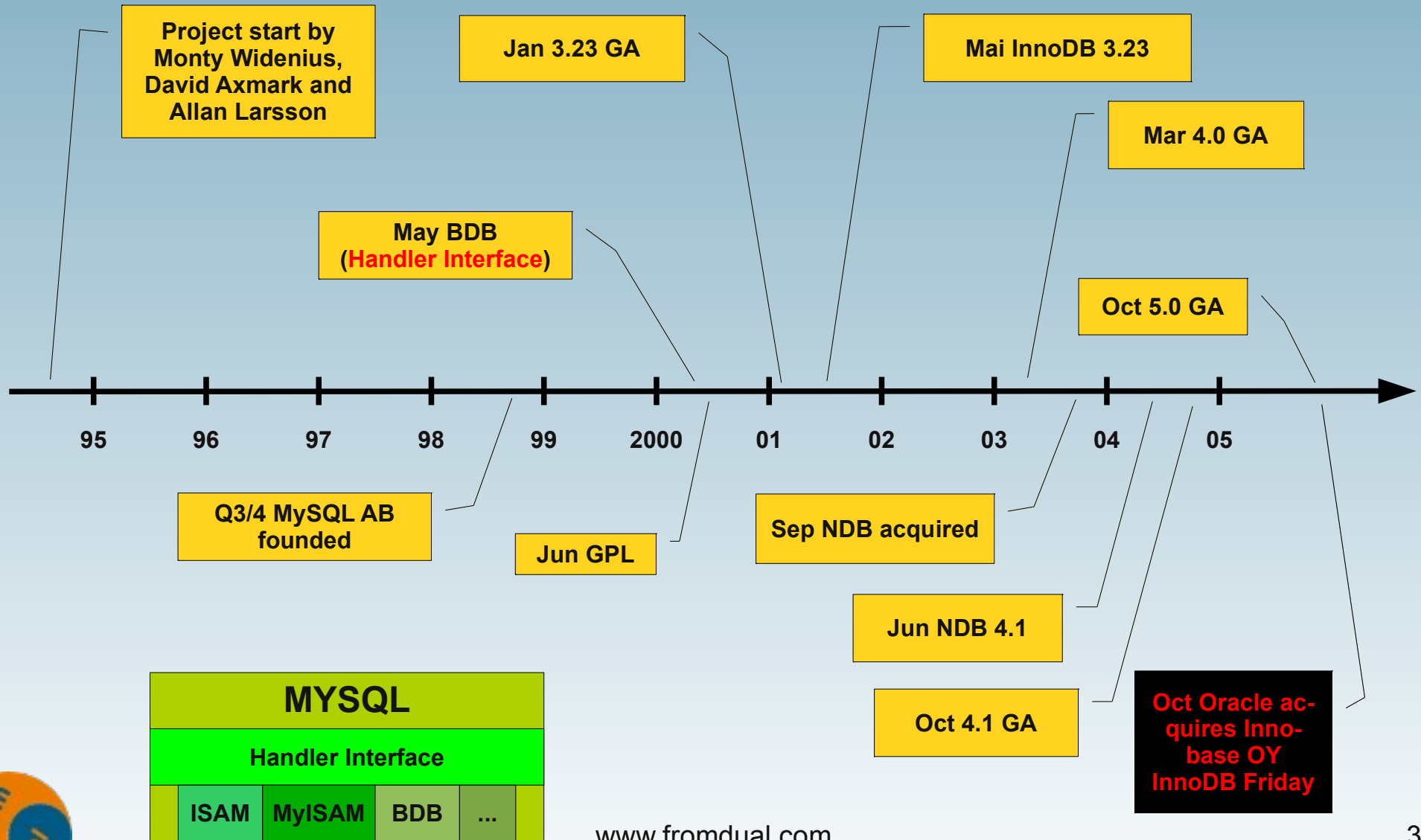


Content

- **What happened until now...**
- **Architecture Excursus**
- **Branches and Forks**
- **Contributors**
- **Future**
- **Alternatives**



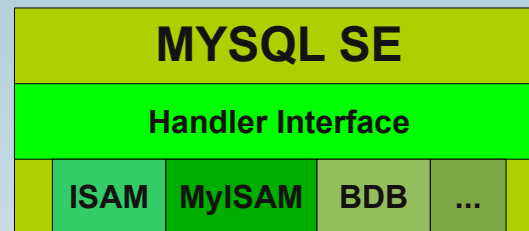
What happened until now...



Architecture Excursus

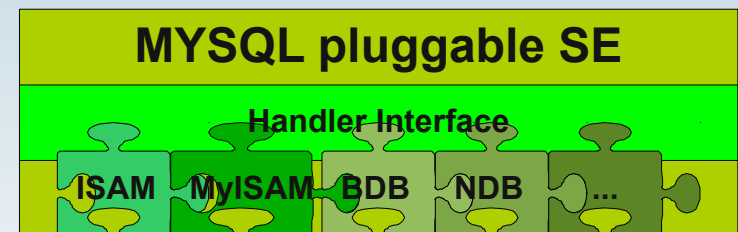
- **Pluggable Storage Engine (SE) Architecture**

Conventional
(R)DBMS
= Monolith

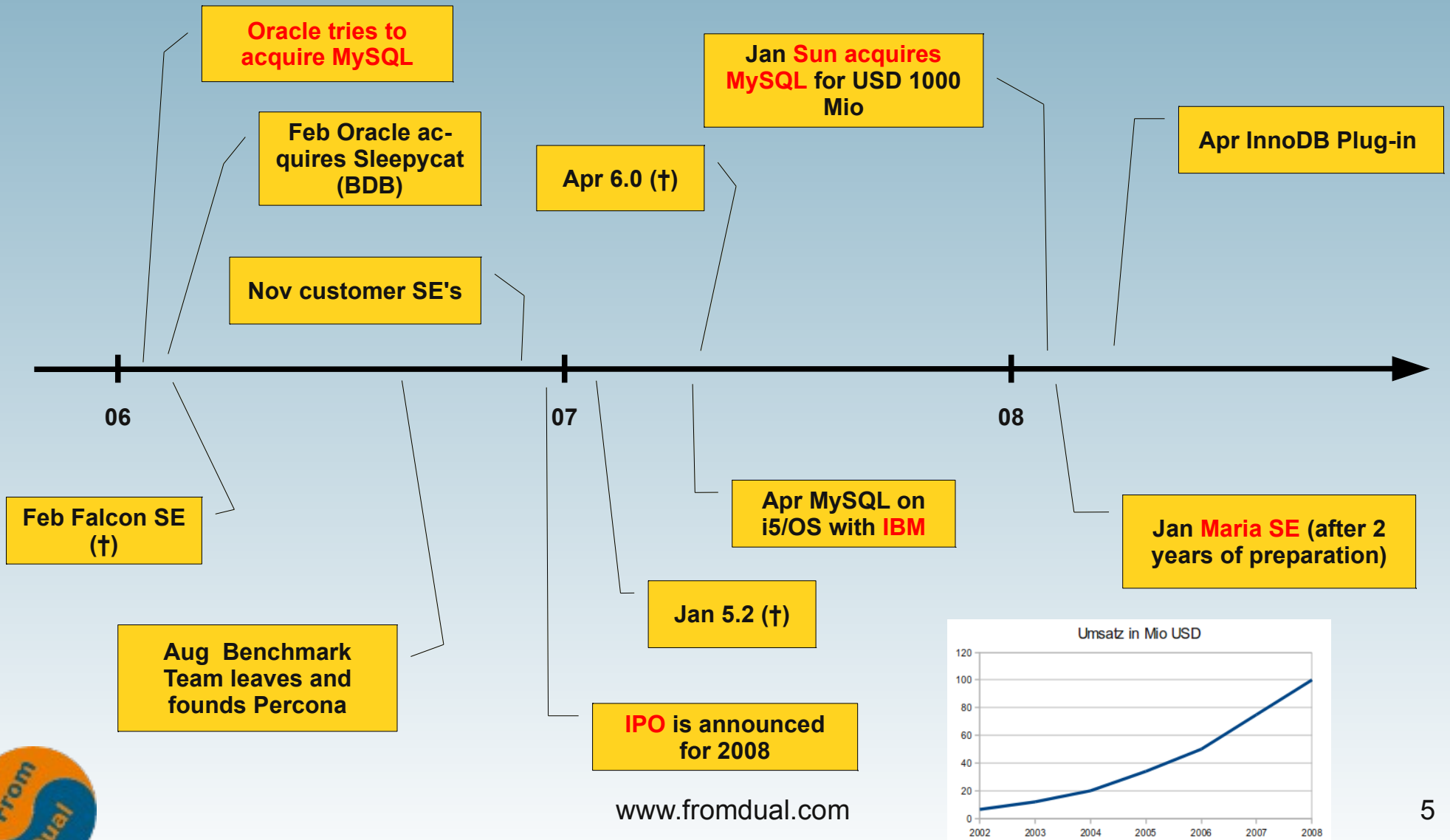


built-in

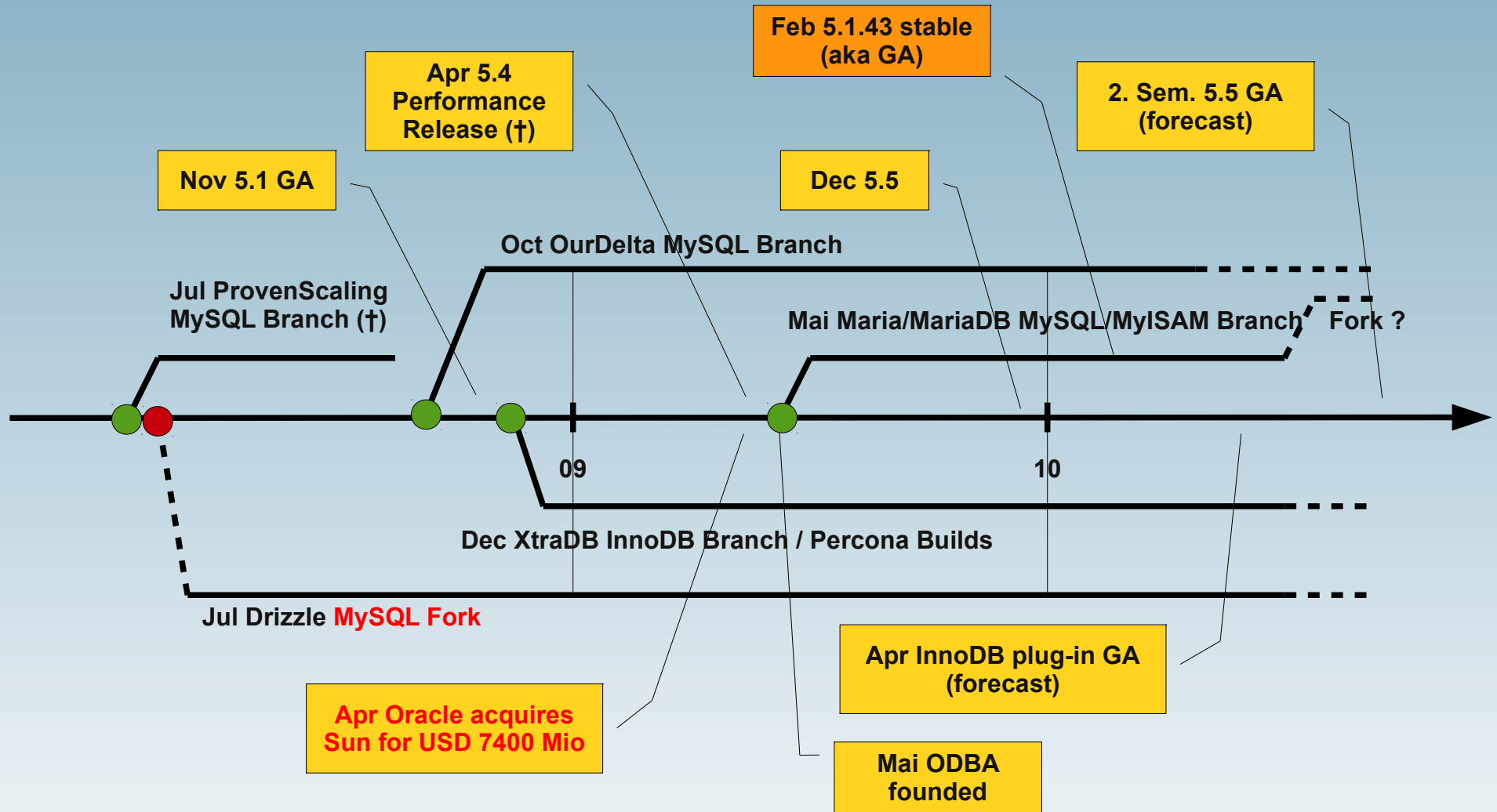
plug-in



until now



Branches and Forks



Future

- Oracle pushes MySQL and is successful...
 - What happens with the Forks and Branches?
- Oracle pushes MySQL and fails...
 - Can the Forks and Branches prevail?
- Oracle phases MySQL out...
 - Prevail the Forks and Branches?
- Fragmentation of the market
 - Oracle/MySQL
 - Drizzle/Rackspace
 - MariaDB, Percona Build, Our Delta and others?
- Consolidation?
- Emigration?



Contributors

- **MySQL (Oracle: MySQL code)**
- **Innobase (Oracle: InnoDB plug-in and built-in code)**
- **Monty Program AB (Monty Widenius and core-developer)**
- **Percona (XtraDB SE, Percona Patches)**
- **The MySQL team of Google (Google Patches)**
- **Mark Callaghan and his team at Facebook**
- **Open Query (GRAPH SE, patches)**
- **Paul McCullagh at Primebase (PBXT SE)**
- **Proven Scaling**
- **Ebay team (VARCHAR MEMORY tables)**
- **Drizzle developer which work now for Rackspace.**



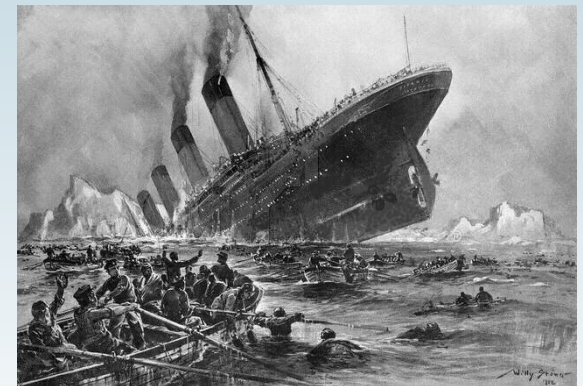
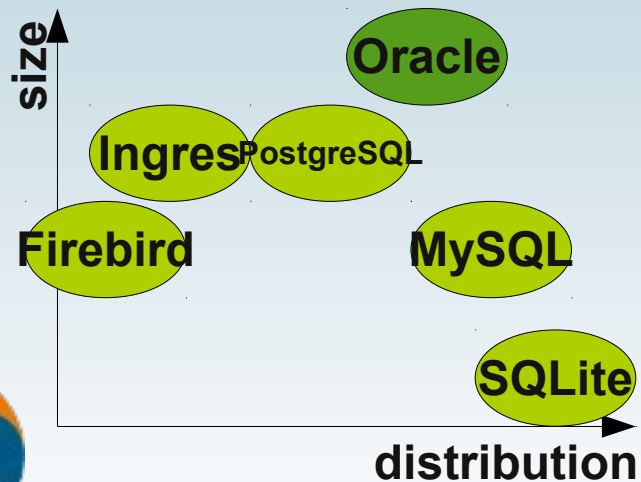
Alternative solutions

Maria	Based on MySQL 5.1. Contains the following SE: MariaDB, PBXT, XtraDB, FederatedX and other additional improvements.
MariaDB SE	Crash-safe, transactional SE, should replace MyISAM.
Percona Build	Based on MySQL 5.1. But contains the XtraDB SE instead of Inno-DB.
XtraDB SE	Better scaling version of the InnoDB SE with additional features.
OurDelta	Improved build of MySQL 5.0 and MariaDB 5.1. Contains Percona-, Google- and other patches.
Drizzle	Database for cloud- and web-applications derived from MySQL which is laidout for high concurrency and modern CPU architectures.



Alternative products

- SQLite (Embedded/OEM)
- PostgreSQL (Enterprise DB)
- Firebird (Web DB)
- Ingres (Enterprise DB)
- And some others...



What can we do for the moment?

- **Wait (MySQL Conference & Expo in April 2010).**
- **Wait until dust has settled (until about end of 2010) and the acquisition is finished.**
- **Keep the eyes open and observe the market.**
- **Explore your environment..**
- **If you develop a new product, keep this situation in mind (develop portable, modularize and encapsulate).**



Literature

- This presentation you can find at:
<http://www.fromdual.com/presentations>

- [1] <http://buytaert.net/the-history-of-mysql-ab>
- [2] The MySQL Story - A Brief History for MySQLers, Part I: 1995 – 2007, Kaj Arnö, Lenz Grimmer und andere
- [3] <http://krow.livejournal.com/602409.html>
- [4] <http://dev.mysql.com/doc/refman/4.1/en/news.html>
- [5] <http://monty-says.blogspot.com/2008/07/what-if.html>
- [6] <http://ourdelta.org>
- [7] <http://mariadb.org>
- [8] <https://launchpad.net/percona-xtradb>
- [9] <https://launchpad.net/drizzle>
- [10] <http://odba.org>



Questions & Answers

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If you have questions later →

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