MySQL, Where are you going?

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Content

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

- Project start by Monty Widenius, David Axmark and Allan Larsson
- Mar 4.0 GA
- Oct 5.0 GA
- Oct Oracle acquires InnoDB OY
- Oct 4.1 GA
- Oct 4.0 GA
- Sep NDB acquired
- Jun NDB 4.1
- Jun GPL
- Q3/4 MySQL AB founded
- May BDB (Handler Interface)
- Jan 3.23 GA
- Mai InnoDB 3.23
- Mai InnoDB OY
- ISAM MyISAM BDB ...
Architecture Excursus

• Pluggable Storage Engine (SE) Architecture

Conventional
(R)DBMS = Monolith

MySQL SE

Handler Interface

ISAM MyISAM BDB ...

MySQL pluggable SE

Handler Interface

ISAM MyISAM BDB NDB ...

Built-in

Plug-in
until now

Oracle tries to acquire MySQL

Feb Oracle acquires Sleepycat (BDB)

Nov customer SE's

Feb Falcon SE (†)

Aug Benchmark Team leaves and founds Percona

Apr 6.0 (†)

Jan Sun acquires MySQL for USD 1000 Mio

Jan 5.2 (†)

Apr MySQL on i5/OS with IBM

Jan Maria SE (after 2 years of preparation)

IPO is announced for 2008

Apr InnoDB Plug-in

06

07

08

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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

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<thead>
<tr>
<th></th>
<th>Description</th>
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<tbody>
<tr>
<td>Maria</td>
<td>Based on MySQL 5.1. Contains the following SE: MariaDB, PBXT, XtraDB, FederatedX and other additional improvements.</td>
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<tr>
<td>MariaDB SE</td>
<td>Crash-safe, transactional SE, should replace MyISAM.</td>
</tr>
<tr>
<td>Percona Build</td>
<td>Based on MySQL 5.1. But contains the XtraDB SE instead of InnoDB.</td>
</tr>
<tr>
<td>XtraDB SE</td>
<td>Better scaling version of the InnoDB SE with additional features.</td>
</tr>
<tr>
<td>OurDelta</td>
<td>Improved build of MySQL 5.0 and MariaDB 5.1. Contains Percona-, Google- and other patches.</td>
</tr>
<tr>
<td>Drizzle</td>
<td>Database for cloud- and web-applications derived from MySQL which is laid out for high concurrency and modern CPU architectures.</td>
</tr>
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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
[8] https://launchpad.net/percona-xtradb
[9] https://launchpad.net/drizzle
Questions & Answers

? 

If you have questions later →

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