



State of the MySQL Ecosystem

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Percona Live NYC
May 26, 2011

Welcome !

I'm glad you could make it !

MySQL Ecosystem

- Community has a special connotation
 - “MySQL Community Edition” for those who are not willing to pay
- Ecosystem is where commercial and community interests are joined
- The great mix of commercial and open source companies around MySQL is what makes it successful

A bit of History

- We got plenty of shocks
- Oracle Buys Innodb in Oct 2005
 - We knew Innodb was more than “Just a storage engine”
- Sun buys MySQL in Jan 2008
- Oracle Buys Sun in April 2009
 - Oracle seen as main competitor by MySQL before that

Is Oracle Killing MySQL ?

- A lot of speculations of Oracle Killing MySQL in 2009 and 2010
 - There is no reason to believe this is happening
- Oracle has many great MySQL Engineers left and is growing engineering team
- Innodb team finally joined with the rest
- Focusing on interests of core MySQL users
- MySQL 5.5 most stable initial release to date
- MySQL 5.6 shows great results

Oracle is Oracle

- Oracle is known for ability to run business profitably
- Oracle is great at clear vision and execution
- Oracle does not seeks permission or forgiveness
 - “Business reasons” is enough for explanation
 - Accept decisions we do not like and move on
- I see it as Oracle gives us a favor by continuing giving Open Source MySQL

Drizzle

- Re-inventing MySQL
- “Microkernel architecture”
- Refactored easy to maintain code
- Extensive automated testing
- More than 100 developers
- Focused on new applications
- GA Release available now
 - Support available through Percona and other companies

MariaDB

- Founded by Monty Widenious
 - AKA father of MySQL (also My, Max, Maria)
- Drop in replacement for MySQL
- Community Contributions
- A lot of work done on MySQL optimizer
 - 10x+ performance gains on some queries

Percona Server

- Least amount of changes from MySQL
- Performance, Scalability, Transparency, ease of Operations
 - While preserving user level behavior as much as possible
- Developed by Percona and Third Parties
- Number features announced in MySQL 5.6 first appeared in Percona Server
 - Future of MySQL today

Community Patches

- The leadership moved to Facebook
 - Following Mark Callaghan
- A lot of patches done by small independent authors fixing their issues
 - Ie MyISAM key contention by Peter from Stardoll
- A lot of things can be written as plugins now
 - Memcache udfs
 - Handler Socket
 - Anders Karsson “sqlstats” Statement Monitor Plugin

Nature of Open Source business

- Different Dynamics in completely Open Source Business
- You can use software without paying for it
- Yet as a group we get what we pay for
- Want bugs fixed, more features, faster releases
 - Consider supporting the projects of your choice
 - The more we support open source software the more software will be open source
- Most open source development done by paid Engineers

The Mix

- Purely Open Source Business is Hard
 - Many believe it is impossible
- Many technologies would not be created as an Open Source
- Better to have close source solution for customer than have none
- We're happy to have the mix of Open Source and Close Source solutions in MySQL Space

Replication and Clustering

- MySQL Replication, Tungsten, Galera
- MMM, Percona Replication Manager,
- Tungsten Enterprise
- Schooner Active Cluster
- Clustrix
- ScaleDB

Backup

- MyLVMBackup
- Percona Xtrabackup
- Zmanda Recovery Manager
- MySQL Enterprise Backup
 - Previously Innodb Hot Backup

Monitoring & DBA Tools

- Maatkit
- Open Ark Kit
- Nagios, Ganglia, CACTI, Zabbix
- MonYog
- MySQL Enterprise Monitor

Alternative Storage Engines

- Aria
- PBXT
- TokuDB
- RethinkDB

Analytics Engines

- Infobright
- InfiniDB

Full Text Search

- MyISAM full text search
- Sphinx
- Groonga

Responding to changes

- Multi-Cores
- Large Memory
- Flash
- Cloud
- NoSQL

Professional Services Ecosystem

- Looking for Professional Services around MySQL ?
 - Support, Consulting, Training, Remote DBA, Custom Development
- There are many alternative providers to compliment Oracle offering
 - Percona, Monty Programming, SkySQL, Pythian, BlueGeko, Open Query, 42SQL, FromDual, PalominoDB, EffectiveMySQL
 - Many smaller shops

Supporting Ecosystem

- Percona Live is here to grow MySQL Ecosystem
- Build Synergy between Open Source and Close Source Companies
- Educate People about Power of MySQL
 - And technologies around MySQL
- Broaden MySQL Ecosystem



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Monty Program



Tokutek





The background image shows the exterior of a restaurant at night. A prominent blue awning extends over the entrance and outdoor seating area. The awning features the restaurant's name, "Lucky Charles", in a white, cursive font. Below the awning, a sign above the entrance reads "RESTAURANT - SPORTS BAR". The restaurant has large glass windows and doors, and several outdoor tables with chairs are visible. The scene is illuminated by the restaurant's lights and streetlights.

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*Appetizers

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