



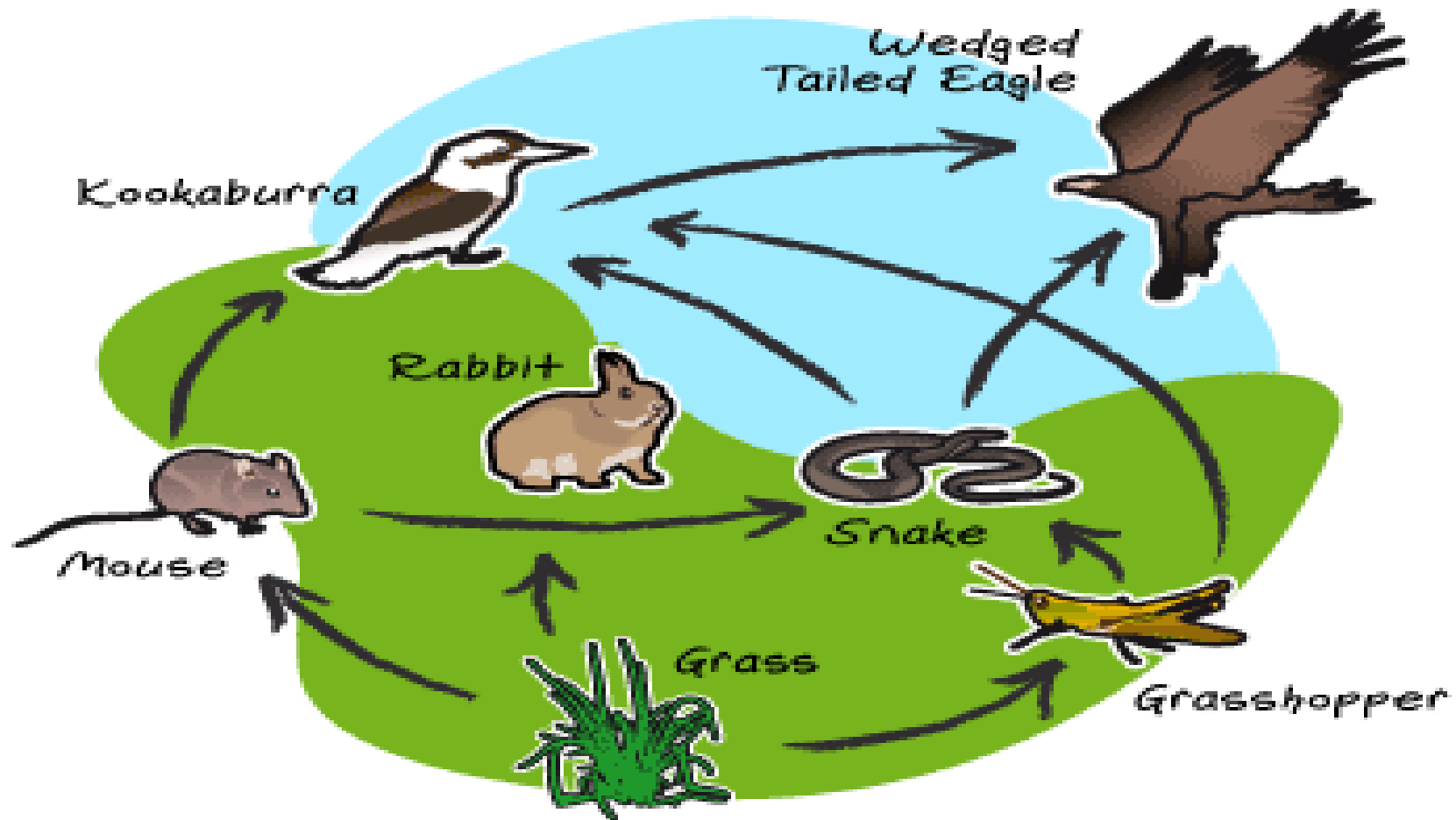
Discover the Power of MySQL

Peter Zaitsev
Percona Live London 2011
Oct 24-25

Where does MySQL's power come from?

?

It comes from MySQL Ecosystem



Ecosystem & Community

- Community is an abused word
 - Implies non-commercial for many
- Ecosystem is about business
 - It's where commercial & non-commercial interests meet

Are You Part of the Ecosystem ?

- Developers or DBAs using MySQL
- Writing MySQL Code, Books or Articles
- Your Company Depends on MySQL
- Your Organization Provides Solutions or Services for MySQL
- You Contribute Bug Reports and Ask Smart Questions

Open Source

- Percona Loves Open Source!
 - All of our distributable software is Open Source
- We Believe 99.9% of Applications Could be Built Using Only Open Source Technologies
- Proprietary Commercial Software Can Help You...
 - Save time
 - Save money
 - Makes your system less complicated, uses less hardware, is easier to maintain, etc.

Technologies

- Developing Open Source Technologies is hard
 - Your resources are more limited
- Best if technology is needed by millions and there exists an alternative way to monetize it
 - Think Mozilla Firefox, VLC etc.
- Many special purpose & complex technologies can't be developed as Open Source
 - At least not quickly enough

It's A Choice

- Would you prefer to have
 - Proprietary Options or
 - No options at all

The Oracle

ORACLE®

New Steward of MySQL

- A new set of rules after MySQL Ab & Sun
 - Something we're all slowly getting used to
- Great engineering contributions by Oracle to MySQL
- Have made MySQL much more solid
 - 5.5 is a great release
 - 5.6 betas look amazing
- Many ideas first tried in Percona Server now added to 5.6
- Good signs of other community inputs being listened to

Proprietary Features ?

- It is Oracle's business choice
- Continues MySQL/Sun strategy of closed source Enterprise Monitor and Backup tool
- Written as plugins, which is good
- Alternatives might appear from other sources
- Good for those who develops proprietary solutions for MySQL
 - By making proprietary more accepted in MySQL ecosystem

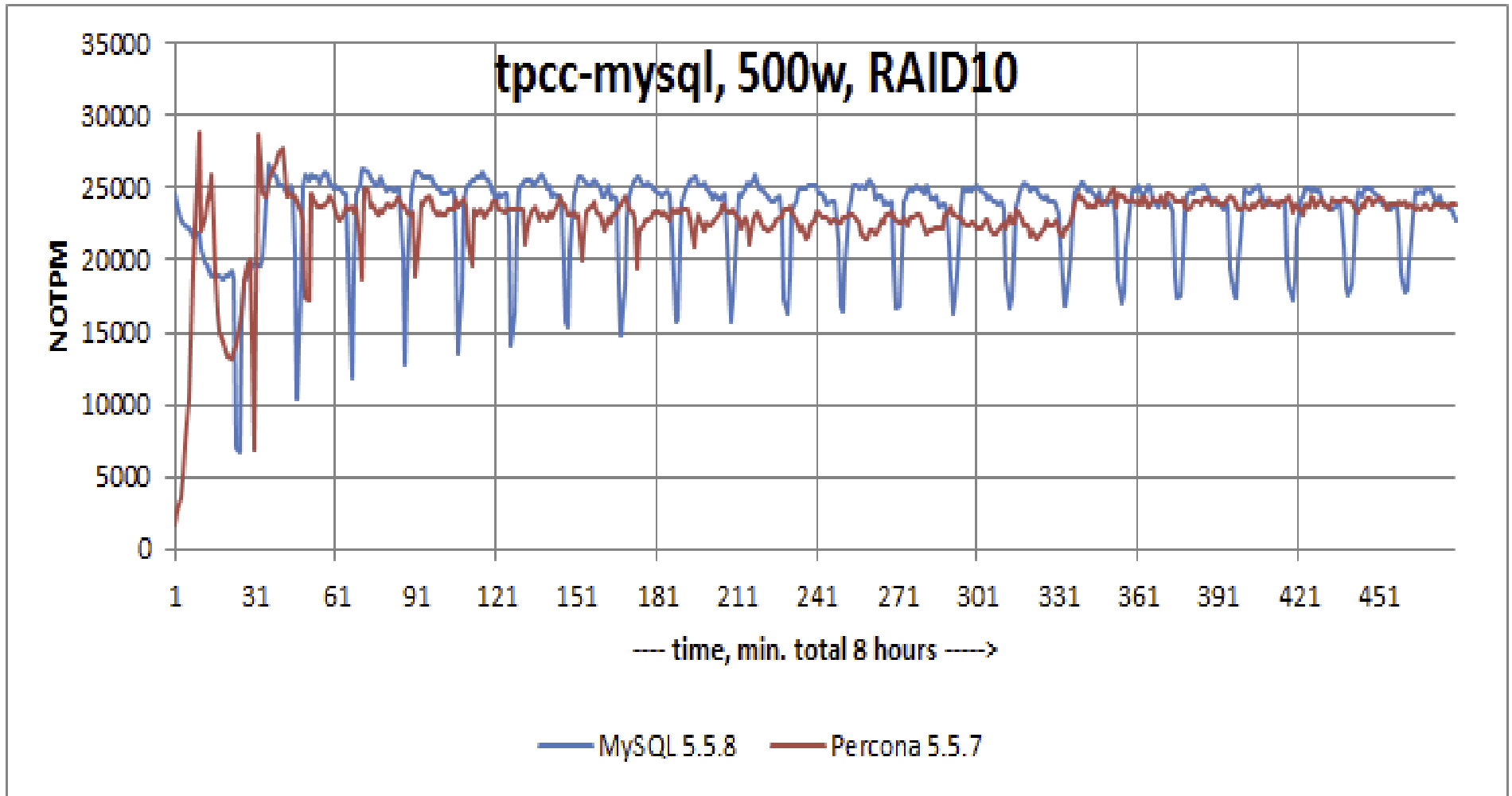
The Alternatives



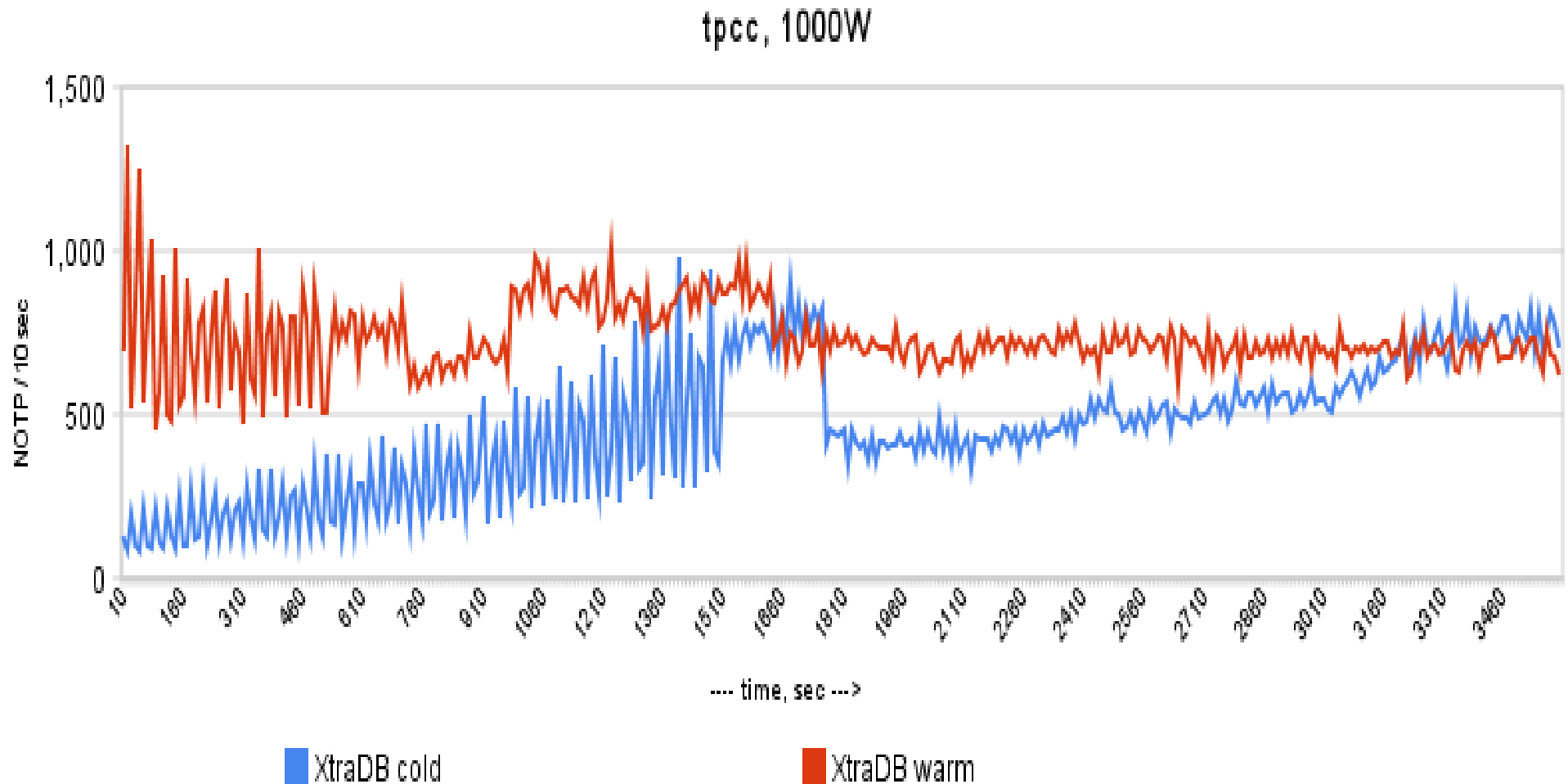
Percona Server

- Tracks Oracle MySQL versions very closely
 - Very easy & safe drop in replacement
- Focused on needs of high end installations
 - Performance
 - Stability
 - Transparency & operational simplicity
- Scalability with
 - Multiple CPUs, Large Memory, Flash Storage

Provide Stable Performance

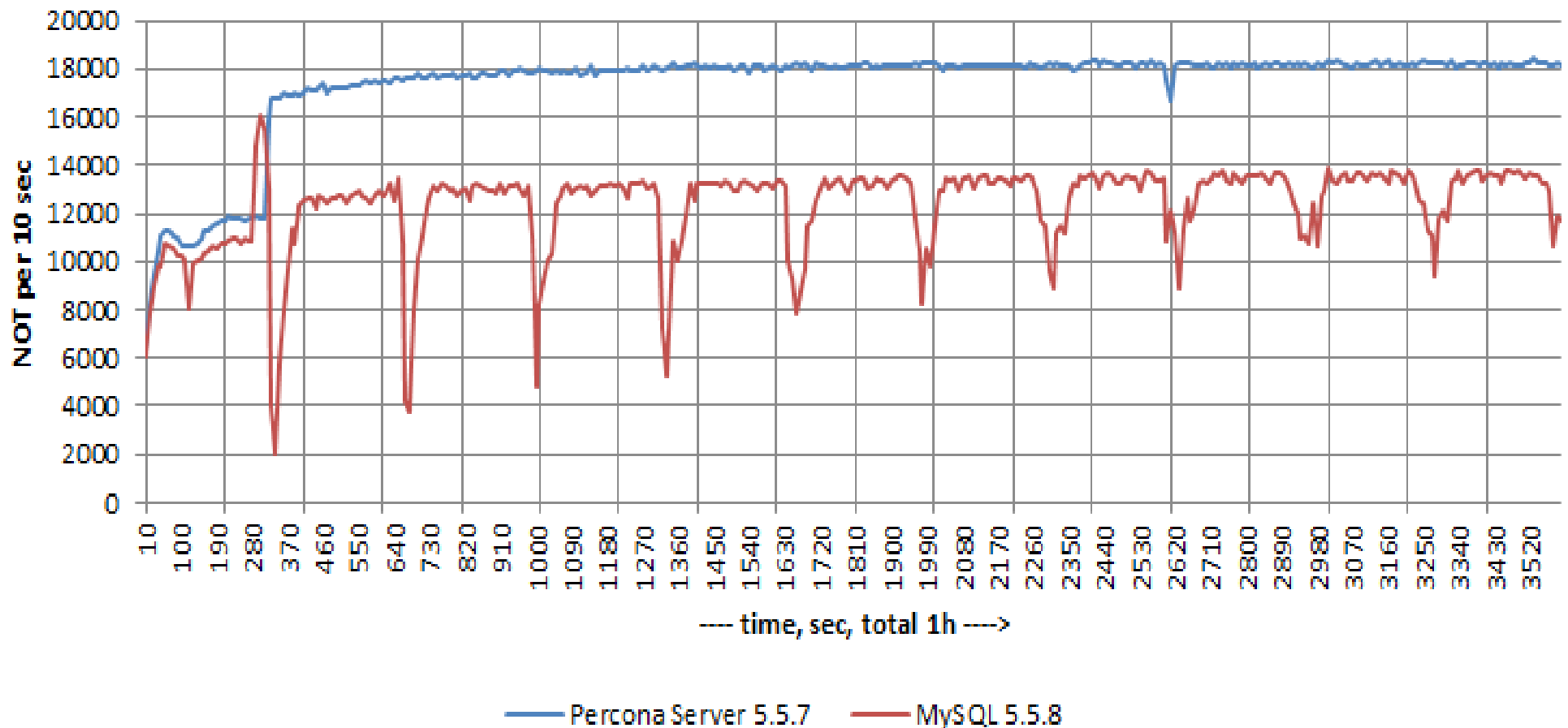


Reach Peak Performance Quicker



Optimized for SSD Storage

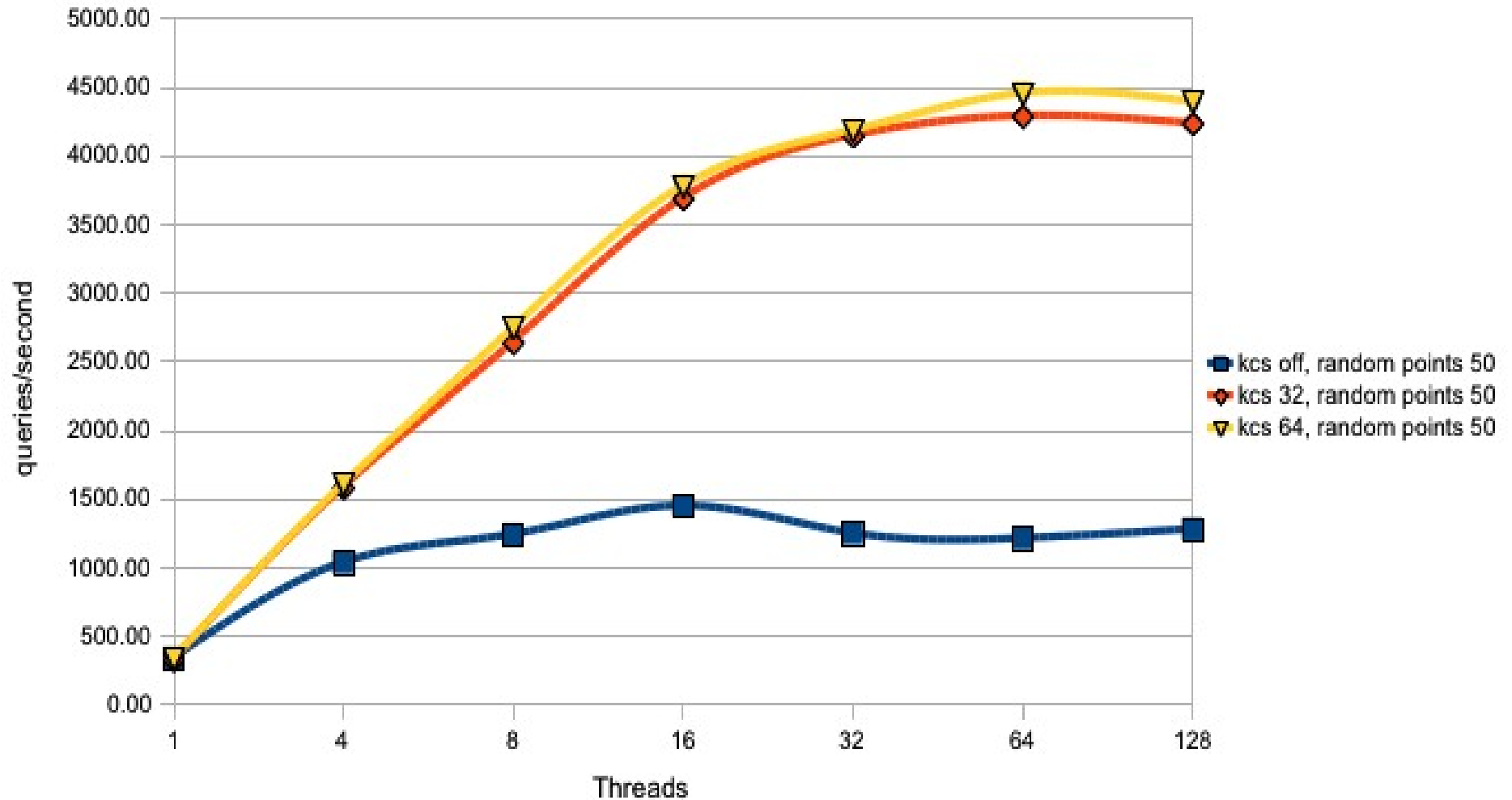
tpcc-mysql, 1000W, Virident, 144GB BP



MariaDB

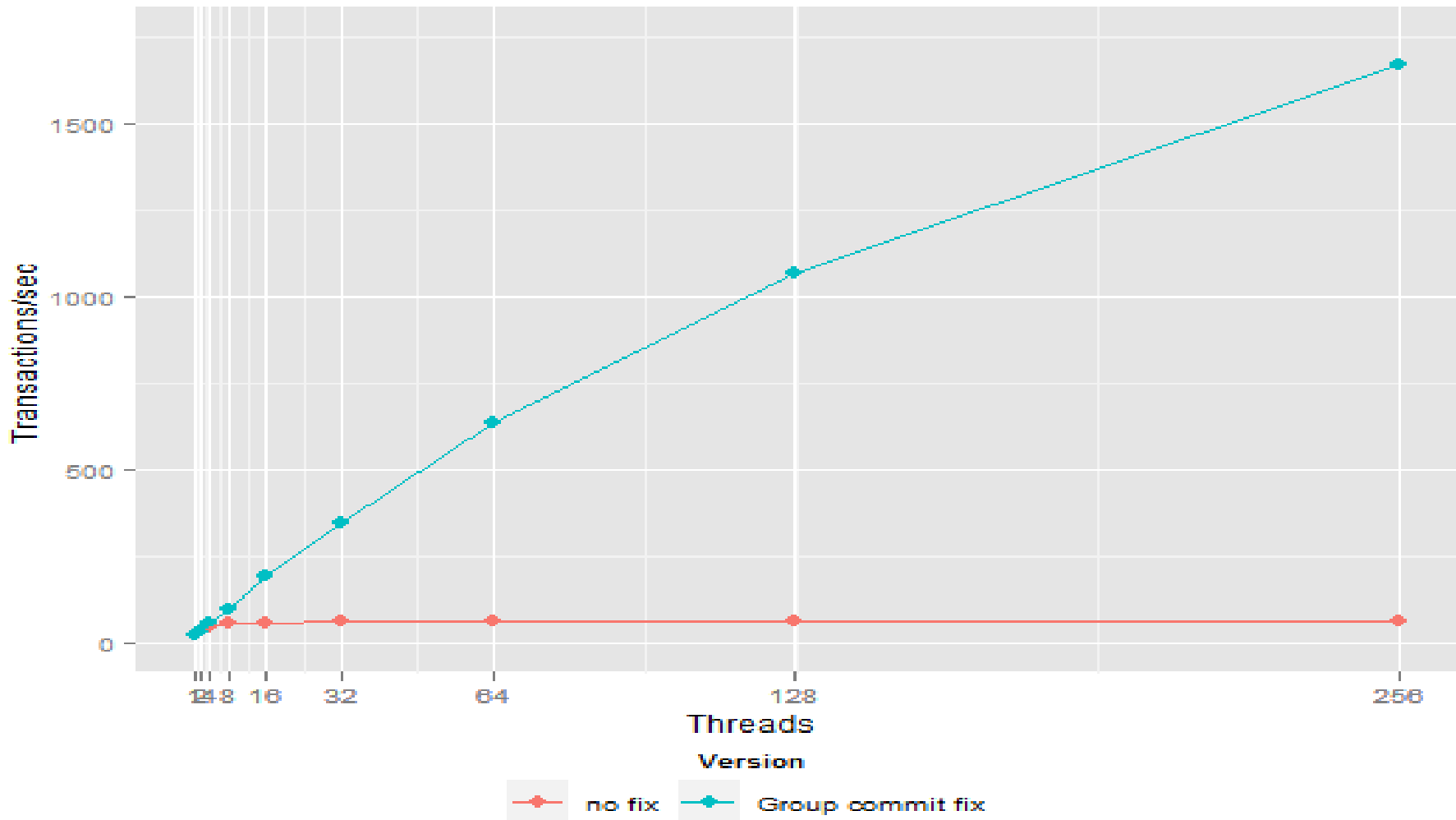
- Lead by MySQL founder Monty Widenius
- Rather close to MySQL but
- On its own version schedule
- Many community features incorporated
- Greatly improved optimizer
- Performance enhancements & bug fixes
- Includes Percona XtraDB storage engine
- Colin Charles will talk on MariaDB at 3:30 p.m.

Segmented MyISAM KeyCache



Improved Group Commit

(write through cache, sync_binlog=1)



Drizzle

- A true community project
 - More than 100 developers from many companies
- Lead by former MySQL Director of Architecture Brian Aker
- Micro kernel modular architecture
- Derived from MySQL but not a drop in replacement
- Best use is for new development
- Comes with BSD client library (which also can be used to connect to MySQL)
- Stewart Smith talks about Drizzle at 2 p.m.

I Want More!

- Number of Commercial alternatives & supplements
- Clustrix (they are next talk after me)
- SchoonerSQL
 - Based on MySQL, optimized with sync replication
- TokuDB (storage engine)
- Infobright (storage engine)
- InfiniDB (storage engine)

Summing It Up

- MySQL is not dead or dying
- MySQL has a whole new lease on life
- MySQL ecosystem is thriving
- Increased Enterprise MySQL Developments
- MySQL remains the best database technology for the vast majority of applications
- ***Thank you for supporting the MySQL ecosystem by joining us today !***

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Marten Mickos, Eucalyptus Systems

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