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# MariaDB

## Transitioning from MySQL

**Dreas van Donselaar**  
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# VIAGRA!

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# PENIS ENLARGEMENT

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# NIGERIAN INVESTMENT OPPORTUNITIES

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# Are you still awake?

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# Agenda



- ☑ Very short .. about SpamExperts
- ☑ MySQL usage
- ☑ Transitioning servers
- ☑ InnoDB (Percona) versus MyISAM (MariaDB)
- ☑ Conclusion



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# About SpamExperts



- ✔ Email security provider
  - ✔ From Amsterdam
  - ✔ Focus on Webhosts
  - ✔ More than 1.6 million protected domains
  - ✔ More than 55 million protected inboxes
  - ✔ Customers in more than 100 countries
  - ✔ Internationally operating, staff in 5 countries



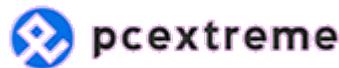
- ✔ Enterprise-level filtering systems created for hosting environments

**Incoming | Outgoing | Archiving – in the cloud or on premise**

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# A few references...



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# MySQL usage



## Setups

- ☑ Hosted Cloud
- ☑ Local Clouds
  - Running on ANY type of hardware
- ☑ Centralized MySQL databases
  - Also opensource project: Pyszor

## Usage

- ☑ Heavy usage of MySQL
- ☑ Abusing MySQL convenience / performance / stability
- ☑ Replication of data throughout the systems

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# Transitioning servers



## What are they doing?

- ☑ April 2009: MySQL has to be replaced
  - Corporate politics
  - Unresponsive to reported (reproducible) bugs
  - Workaround after workaround
  - No outlook on a bright future
- ☑ Easy way .. or hard way?
- ☑ Opensource

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# Transitioning servers



## Testing environment setup (October 2010)

- 🔍 Upgrade from MySQL 5.0 to (MySQL/MariaDB) 5.1 (second time)
  - Bug converting long table names
  - Thread\_stack default too low
  - Unable to upgrade ARCHIVE tables
  - Replication breaking because of table renames
  - InnoDB wrongly marked as upgrade needed
  - Really?! Are we the only MySQL users?
- 🔍 Bug fixes
  - Still waiting for MySQL
  - MariaDB fixed in 3 days!!! - IRC rulez
- 🔍 Mass role out
  - To 300 servers in 3 hours

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# InnoDB versus MyISAM



## Everyone loves InnoDB! - We hate it

- ☒ Unstable (on generic hardware)
  - No battery backup
  - Disk write-cache enabled
  - Difficult backups / table migrations
  - Unrecoverable crashes (or pay a lot!)
  - Not just 1 server .. many hundreds!
- ☒ MariaDB
  - Includes all Percona patches
  - Experts on MyISAM
  - New engine Aria (used in production!)

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# Conclusion



## Right choice, still today

- ✔ MariaDB is a true opensource product
- ✔ More stable thanks to free users
- ✔ Pushed forward by their paying contributors
- ✔ Brilliant people, great spirit
  
- ✔ Proud to be using MariaDB!



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# Q & A



## Questions?

.....

## Or beer?



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# Contact details

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