

MongoDB

by Roman Pichlík (dagi@gooddata.com)

GoodData



mongoDB

What is MongoDB

- NoSQL database
 - Queries/Indexes
- Document oriented
 - Documents/Collections
- Schema less

Why another storage

- A relational database doesn't fit to our needs
 - documents vs. normalized data vs. BLOBs
 - Object To Relation Mapping faux pas
- See <http://developer.gooddata.com/blog/2011/10/06/Mongodb-behind-the-scene/>

MongoDB internals

- Written in: C++
- License: AGPL (Drivers: Apache)
- Main point: Retains some friendly properties of SQL. (Query, index)
- Protocol: Custom, binary (BSON)
- Master/slave replication, Sharding built-in
- Uses memory mapped files for data storage
- GridFS to store big data + metadata

Demo