- [Point] Sql
- [Point] NoSql
- [Point]
- [Point]

, ElemeFe , ( ).

Mysql

SQL (Structured Query Language) , Mysql

attr	MyISAM	InnoDB
Locking	Table-level	Row-level
designed for	need of speed	high volume of data
foreign keys	× (DBMS)	✓ (RDBMS)
transaction	×	✓
fulltext search	✓	×
scene	lots of select	lots of insert/update
count rows	fast	slow
auto_increment	fast	slow

- MYSQL: INNODB MYISAM?

mysql . :

Mongodb

> Monogdb (/) ?

- , driver (30s)
- Monogdb
- (connection idle time)
- fd (ulimit)
- mongodb ( )
- etc...

other

populate

aggregate

pipeline

Cursor

Replication

> “ M/S, M/M ?

:



Google App Engine co-founder Ryan Barrett 2009 google is Transaction Across DataCenter
http://www.youtube.com/watch?v=srOgpXECblk

, Master/Slave Master/Master .

attr	Master/Slave	Master/Master
	Eventually	DNS Amazon S3 Google

		/

query DB , / . MySQL MongoDB .

+ . M/S , Master , Slave . , , .

> “ ? ?

- A
- A
- A
- B
- B
- B

, 6 , , , , A B , , ---- .

, . .

1.
2.
3.

, ( )/ (/) .

Node.js Mongodb , .

sql , , " " ( )

- undo/redo log……
- “ ” “ ”
- “ ” “ ” “ ” “ ” Global
- “ ” “ ” “ ” “ ” Global Transactior

:

- /
- commit/fallback “ ”

> “

> redis memcached ?

attr	memcached	redis
struct	key/value	key/value + list, set, hash etc.
backup	×	✓
Persistence	×	✓
transcations	×	✓
consistency	strong (by cas)	weak
thread	multi	single
memory	physical	physical & swap

- zookeeper
- kafka
- storm
- hadoop
- spark

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