

memcached

Memcached two-stage hash Memcached
<key,value> key

memcached
key
memcached item

3 1, 2, 3 3 memcached A, B, C
Client 1 key 1001/2 Client 1 A, B, C key
1001/2 memcached B Client 1 connect memcached B
key 1001/2 Client 2 Client 1
memcached A, B, C
Client 2 key 1001/2 memcached B
memcached B

memcached perl Storable, php serialize, java
hibernate, JSON memcached

memcached
C10K problem

A Story of Caching memcached

memcached

memcached Memcached
memcached memcached
memcached implode memcached
memcached CPU

memcached
FAQ

memcached local cache MySQL query
cache

memcached MySQL query cache

memcached MySQL query
cache SQL SQL
Memcached MySQL query cache query
cache MySQL

* MySQL query cache flush memcached item
MySQL query cache

* CPU MySQL query cache scalability issues CPU
query cache global lock ,

* MySQL query cache SQL
memcached
user object memcached query
cache SQL query cache
query cache

* query cache MySQL
memcached
memcached

memcached local cache PHP APC mmap

local cache (query cache) local cache
local cache memcached
query cache

* local cache highly common local cache
local cached

* local cache group invalidation memcached
key local cache ,
cache

* local cache

memcached cache

Memcached cache LRU +
memcached Which is forever, or some time in the
future memcached slabs

slabs

memcached

Memcached

memcached

memcached

down

IP

memcached

:

memcached

*

*

key

*

IP

hashing chaos

*

consistent hashing

*

reshing

down

down

stale data

memcached

item

Memcached

memcached

memcached

warm

Steven Grimm ,
<http://lists.danga.com/pipermail/memcached/2007-July/004802.html>

memcached item

memcached down
1/2 1/2 memcached
1/2 FAQ
Memcached

15 5

* MogileFS CouchDB item item dump
MogileFS item MogileFS
item memcached MogileFS+Memcached

* MySQL MySQL InnoDB
VARCHAR memcached key
MySQL key 64-bit MySQL
key
key key

memcached memcached
1/2 item memcached LRU

<http://dormando.livejournal.com/495593.html>

memcached
memcached
memcached
memcached

memcached unix domain socket

memcached
threads rule Steven Grimm Facebook memcached 1.2
memcached CPU
CPU memcached



