

memcached

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

memcached  
key  
memcached item

3 1, 2, 3 3 memcached A, B, C  
Client 1 "barbaz" key "foo" Client 1 A, B, C key  
"foo" memcached B Client 1 connect memcached B  
key "foo" "barbaz" Client 2 Client 1  
memcached A, B, C  
Client 2 key "foo" memcached B  
memcached B "barbaz"

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  
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  
" " memcached  
... 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  
"hot" 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

memcached  
multi gets

memcached  
memcached  
memcached

memcached key  
key 250 250 memcached  
"key" key + key  
250 key

memcached item  
30 memcached  
memcached item obscure

memcached item  
1MB 1MB key

item 1M byte

Memcached ... slabs  
slabs chunks slabs slab  
chunks slab chunk chunk

400B 1MB 1.20 slab chunk  
slab1 – 400B slab2 – 480B slab3 – 576B ...

slab chunk slab  
Memcached slab

memcached ...  
mencached load unpack

