

1	Redis	Remote Dictionary Server	Key-Value	
	memcached			flush
		Redis	10	
	Key-Value DB			
	Redis	Redis		value
	1GB	memcached	1MB	Redis
	List	FIFO		Set
	tag			
	Redis	Key-Value	expire	
	memcached	Redis		
	Redis			
2	Redis	memcached		
	1.memcached		redis	
	2.redis	memcached	redis	memcached
	3.redis	redis		
3	Redis			
	String	List	Set	Sorted Set
				hashes
4	Redis			
5	Redis			
	1.noeviction:			
	2.allkeys-lru:		LRU	
	3.volatile-lru:		LRU	
	4.allkeys-random:			
	5.volatile-random:			
	6.volatile-ttl:		TTL	
6	Redis	Windows		
	Linux		windows	
7				
	512M			
8	Redis			
	Redis			
	redis		I/O	redis
		redis		
9	Redis			
	1.codis			

2. twemproxy
hash
redis cluster3.0 hash hash

3. redis key hash
hash

Java Java 952124565
Java Jvm Spring
MyBatis Netty,Redis,Kafka,MySQL,Zookeeper,Tomcat,Docker,Dubbo,Nginx
" "

10 Redis
A B C , B
5501-11000

11 MySQL 2000w redis 20w redis
redis
Redis
JVM spring

943918498 Java "

"

12 Redis
1 Session Cache
Redis sessioncache Redis
Memcached Redis

Redis
Magento Redis
2 FPC
token Redis FPC Redis PHP
FPC
Magento Magento Redis
WordPress Pantheon wp-redis

3
Reids list set Redis
Redis Python list push/pop

Google " Redis queues"
Redis Celery
Redis broker
4 /

Redis

Redis 10 $\frac{1}{2}$ " user_scores"

Set SortedSet

ZRANGE user_scores 0 10 WITHSCORES

Agora Games Ruby Redis

5 /

Redis / /

Redis / Redis /

13 Redis Java

Redisson Jedis lettuce Redisson

14 Redis Redisson

Redisson Redis Java

(Bloom filter, BitSet, Set, SetMultimap, ScoredSortedSet, SortedSet, Map, ConcurrentMap, List, ListMultimap, Queue, BlockingQueue, Deque, BlockingDeque, Semaphore, Lock, ReadWriteLock, AtomicLong, CountDownLatch, Publish / Subscribe, HyperLogLog)

15 Jedis Redisson

Jedis Redis Java API Redis

Redisson Java Jedis

Redis Redisson Redis

16 Redis

Redis hash, Redis 16384 key

CRC16 16384 hash

17 Redis

N-1 .

18 Redis

Redis

19 Redis

20 Redis

16384

21 Redis

Redis 0

22 Redis

/

pipelining POP3

```

23      Redis

24  Redis
MULTI EXEC DISCARD WATCH
25  Redis key
EXPIRE PERSIST
26  Redis
      hashes
      web
      key,

27  Redis

Redi      maxmemory ,

```

28.

```

      redis cluster
      hash
      lua      redis      lua

      lua      lua      redis

      lua      KEYS[1]      key      RLoc
k lock = redisson.getLock("myLock");      key      myLock

ARGV[1]      key      30      ARGV[2]      I
D      8743c9c0-0795-4907-87fd-6c719a6b4586:1

      if      exists myLock
      key      hset myLoc
k

```

8743c9c0-0795-4907-87fd-6c719a6b4586:1 1

hash

30
8743c9c0-0795-4907-87fd-6c719a6b4586:1
expire myLock 30000
ok
myLock key

29.

2
if exists myLock
myLock key hash 2 ID
1 ID
2
pttl myLock
15000
myLock key
2 while

30.watch dog

1 key 30 30 1
1
10 1 watch dog
1 key key

31.

1
key lua if exists myLock
1 ID if myLock hash ID
8743c9c0-0795-4907-87fd-6c719a6b4586:1

incrby myLock 8743c9c0-0795-4907-87fd-6c71a6b4586:1 1 1
1 myLock

myLock hash ID

32.

lock.unlock()
myLock 1 0
del myLock redis key
2 Redisson

Redisson redis

33. Redis

redis master myLock
key value master slave redis m
aster redis slave redis master
2 redis master 1

redis cluster redis master-slave redis
redis master

34. Redis

setnx expire
setnx expire crash
set setnx expire
35. Redis

