# Redis 学习笔记

# 环境搭建

参考链接：<https://redis.io/download>

<https://hub.docker.com/_/redis/>

## 安装

### 官网

Download, extract and compile Redis with:

$ wget http://download.redis.io/releases/redis-4.0.9.tar.gz

$ tar xzf redis-4.0.9.tar.gz

$ cd redis-4.0.9

$ make

### 1.1.2 docker

Docker Pull Command

$ docker pull redis

## start a redis instance

$ docker run --name some-redis -d redis

## start with persistent storage

docker run --name some-redis -d redis redis-server --appendonly yes

## connect to it from an application

$ docker run --name some-app --link some-redis:redis -d application-that-uses-redis

## or via redis-cl(目前采用)

$ docker run -it --link some-redis:redis --rm redis redis-cli -h redis -p 6379

## 验证

The binaries that are now compiled are available in the src directory. Run Redis with:

$ src/redis-server

You can interact with Redis using the built-in client:

$ src/redis-cli

redis> set foo bar

OK

redis> get foo

"bar"

已经安装在 CentOS 64 Study 虚拟机中

# 常用命令

参考链接：<https://redis.io/topics/data-types-intro>

## 基本数据类型操作：

### String(Binary-safe strings)

Values can be strings (including binary data) of every kind, for instance you can store a jpeg image inside a value. A value can't be bigger than 512 MB.

> set mykey somevalue

OK

> get mykey

"somevalue"

### List(Lists)

collections of string elements sorted according to the order of insertion. They are basically linked lists.

> rpush mylist A

(integer) 1

> rpush mylist B

(integer) 2

> lpush mylist first

(integer) 3

> lrange mylist 0 -1

1) "first"

2) "A"

3) "B"

rpop mylist

### Set(Sets)

> sadd myset 1 2 3

(integer) 3

> smembers myset

1. 3

2. 1

3. 2

### Zset(Sorted sets)

> hmset user:1000 username antirez birthyear 1977 verified 1

OK

> hget user:1000 username

"antirez"

> hget user:1000 birthyear

"1977"

> hgetall user:1000

1) "username"

2) "antirez"

3) "birthyear"

4) "1977"

5) "verified"

6) "1"

### Hash(Hashes)

### Bit arrays

### HyperLogLogs

# Java 连接redis

参考链接：<https://github.com/xetorthio/jedis>