docker images 查看本地docker镜像

选择一个最小的linux版（只需包含linux基本组件即可）

启动此镜像并开启终端连接：

docker run –it 镜像名

cd 到 /usr/local/src/目录

新建目录：redis

mkdir redis

cd到redis目录

wget redis源码包地址

如果没有安装wget则先安装wget(yum install –y wget)

解压redis的tar包到当前目录

将解压包移动到/usr/lib64目录下

cd到/usr/lib64/redis目录

编译源文件，如果没有make命令则yum安装make命令

安装完make后，执行make编译redis源文件

如果提示cc错误，说明没有安装gcc，需要先安装gcc: yum install gcc;然后在make

编译完成后，cd到src目录下，可以看到redis-cli redis-server等。

redis-trib-rb是官方提供的构建集群的脚本

[root@c89ef0c42cc4 redis-3.2.6]# cd src

[root@c89ef0c42cc4 src]# ls

Makefile asciilogo.h debug.c latency.c pqsort.h redisassert.h setproctitle.c t\_string.c

Makefile.dep bio.c debugmacro.h latency.h pubsub.c release.c sha1.c t\_zset.c

adlist.c bio.h dict.c lzf.h quicklist.c release.h sha1.h testhelp.h

adlist.h bitops.c dict.h lzfP.h quicklist.h replication.c slowlog.c util.c

ae.c blocked.c endianconv.c lzf\_c.c rand.c rio.c slowlog.h util.h

ae.h cluster.c endianconv.h lzf\_d.c rand.h rio.h solarisfixes.h valgrind.sup

ae\_epoll.c cluster.h fmacros.h memtest.c rdb.c scripting.c sort.c version.h

ae\_evport.c config.c geo.c mkreleasehdr.sh rdb.h sds.c sparkline.c ziplist.c

ae\_kqueue.c config.h geo.h multi.c redis-benchmark.c sds.h sparkline.h ziplist.h

ae\_select.c crc16.c help.h networking.c redis-check-aof.c sdsalloc.h syncio.c zipmap.c

anet.c crc64.c hyperloglog.c notify.c redis-check-rdb.c sentinel.c t\_hash.c zipmap.h

anet.h crc64.h intset.c object.c redis-cli.c server.c t\_list.c zmalloc.c

aof.c db.c intset.h pqsort.c redis-trib.rb server.h t\_set.c zmalloc.h

安装前测试：make test

如果报错：[error](http://www.41443.com/HTML/Delphi/20121115/5955.html): jemalloc/jemalloc.h: No such file or directory，则执行 make MALLOC=libc

参考：<http://www.phperz.com/article/14/1219/42002.html>

安装：make install

启动服务

可以测试一下客户端连接服务器：

cd 到src目录，执行：redis-cli –h 主机名 –p 端口名(一般为6379),连接上说明软件安装成功

然后从当前容器创建镜像：

[root@bogon usr]# docker commit -m='redis' -a='DaiYan' c89ef0c42cc4 min\_centos\_redis

8e5f413a556a1dd57c466bc74cdebe1b762d8be14d87890499ef7f84c57376de

-m 是注释

-a 是作者

然后是容器id,之后是镜像名

查看当前的镜像-包含刚才创建的镜像：docker images

[root@bogon usr]# docker images

REPOSITORY TAG IMAGE ID CREATED VIRTUAL SIZE

min\_centos\_redis latest 8e5f413a556a 2 minutes ago 365.1 MB

redis latest 26ef94a82a95 4 weeks ago 182.9 MB

centos\_with\_java\_done latest 4be7d94a30f3 5 weeks ago 1.32 GB

centos latest 97cad5e16cb6 10 weeks ago 196.5 MB

此时一个带有完好redis的镜像就创建好了

启动一个镜像并绑定端口号：

[root@bogon usr]# docker run -d --name redis\_01 -p 20001:6379 min\_centos\_redis

2f66beb26ab8475944417a196b22047d26838bf6035429927ea5275286de24a7

进入容器：

cd 到redis根目录

修改redis.conf，配置后台启动redis服务器：

################################# GENERAL #####################################

# By default Redis does not run as a daemon. Use 'yes' if you need it.

# Note that Redis will write a pid file in /var/run/redis.pid when daemonized.

daemonize no ##将这里的no改为yes就可以了

# If you run Redis from upstart or systemd, Redis can interact with your

# supervision tree. Options:

然后cd 到src目录，执行[root@b378678ec3a7 src]# redis-server ../redis.conf 即在后台启动了一个redis服务，注意这时一定要指定这个配置文件

直接从docker hub上下载可用的redis镜像

查找可用的redis镜像： docker search redis

[root@bogon centos]# docker search redis

NAME DESCRIPTION STARS OFFICIAL AUTOMATED

redis Redis is an open source key-value store th... 3247 [OK]

sameersbn/redis 41 [OK]

bitnami/redis Bitnami Redis Docker Image 34 [OK]

torusware/speedus-redis Always updated official Redis docker image... 32 [OK]

anapsix/redis 11MB Redis server image over AlpineLinux 6 [OK]

webhippie/redis Docker images for redis 6 [OK]

clue/redis-benchmark A minimal docker image to ease running the... 3 [OK]

williamyeh/redis Redis image for Docker 3 [OK]

unblibraries/redis Leverages phusion/baseimage to deploy a ba... 2 [OK]

miko2u/redis Redis 1 [OK]

centos/redis Redis built for CentOS 1 [OK]

greytip/redis redis 3.0.3 1 [OK]

benyoo/redis redis 0 [OK]

nanobox/redis Redis service for nanobox.io 0 [OK]

xataz/redis Light redis image 0 [OK]

watsco/redis Watsco redis base 0 [OK]

trelllis/redis Redis Primary 0 [OK]

appelgriebsch/redis Configurable redis container based on Alpi... 0 [OK]

drupaldocker/redis Redis for Drupal 0 [OK]

yfix/redis Yfix docker redis 0 [OK]

maestrano/redis Redis is an open source key-value store th... 0 [OK]

khipu/redis customized redis 0 [OK]

cloudposse/redis Standalone redis service 0 [OK]

higebu/redis-commander Redis Commander Docker image. https://gith... 0 [OK]

jeffutter/redis-no\_volumes Fork of official redis image with the volu... 0 [OK]

选择redis镜像名称，pull 到本地： docker pull redis

[root@bogon centos]# docker pull redis

latest: Pulling from redis

32734c6d04f6: Pull complete

1849b6667515: Pull complete

9e62c360ee49: Pull complete

649d50127c4b: Pull complete

cb1f9c4d2e40: Pull complete

e4fa07aca294: Pull complete

1600f815ad0e: Pull complete

f0bf2d03cfdf: Pull complete

031e5738adda: Pull complete

6db23f732696: Pull complete

65774bd85a06: Pull complete

7530c88b79b5: Pull complete

dd6e32d31830: Pull complete

811990c75ed1: Pull complete

d98fef629e16: Pull complete

4dc88875a59c: Pull complete

26ef94a82a95: Pull complete

Digest: sha256:be03cb3b2e0d290c3d6670d1843b6036c1914663574bb624ffb62535344de5b4

Status: Downloaded newer image for redis:latest

查看当前所有镜像：docker images

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centos latest 97cad5e16cb6 10 weeks ago 196.5 MB

启动镜像，同时做好端口映射，并设置为后台运行

[root@bogon centos]# docker run -d --name redis01 -p 30001:6379 redis

a595389d606f55594607a40e396bc1f3b5d774e5b9f3294490ab444294066961

-p是端口映射：访问宿主机的30001端口即映射到redis容器的6379端口；-d表示是后台运行，因为容器中开启自启动redis服务；--name是为容器命名一个别名，可以当做容器id使用

查看redis容器是运行：docker ps ,最后一列即为我们命名的别名

[root@bogon centos]# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

a595389d606f redis "docker-entrypoint.s 2 minutes ago Up 2 minutes 0.0.0.0:30001->6379/tcp redis01

这时redis服务已经启动成功

在可访问客户端的机器上连接宿主机ip和映射端口30001即访问redis服务：

D:\redis3\redis3>redis-cli.exe -h 192.168.250.129 -p 30001

192.168.250.129:30001>

当然也可以使用telnet连接