安装Redis教程

参考文献：https://www.cnblogs.com/heqiuyong/p/10463334.html

第一步：下载redis安装包

wget http://download.redis.io/releases/redis-5.0.3.tar.gz

```
[root@yu src]# rpm -qa | grep redis
[root@yu src]# wget http://download.redis.io/releases/redis-5.0.3.tar.gz
--2019-12-23 06:04:17--  http://download.redis.io/releases/redis-5.0.3.tar.gz
Resolving download.redis.io (download.redis.io)... 109.74.203.151
Connecting to download.redis.io (download.redis.io)|109.74.203.151|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1959445 (1.9M) [application/x-gzip]
Saving to: 'redis-5.0.3.tar.gz'

100%[======================================================>] 1,959,445   4.20KB/s   in 6m 53s

2019-12-23 06:11:11 (4.63 KB/s) - 'redis-5.0.3.tar.gz' saved [1959445/1959445]

[root@yu src]# pwd
/usr/src
```

第二步：解压压缩包

```
tar -zxvf redis-4.0.6.tar.gz
```

```
-rw-r--r--. 1 root root 1959445 Dec 12  2018 redis-5.0.3.tar.gz
[root@yu src]# tar -zxvf redis-5.0.3.tar.gz -C /usr/local/_
```

第三步：yum安装gcc依赖

yum -y install gcc

```
# yum -y install gcc
```

```
[root@yu /]# yum -y install gcc_
```

```
Running transaction
  Installing : mpfr-3.1.1-4.el7.x86_64
  Installing : libmpc-1.0.1-3.el7.x86_64
  Installing : cpp-4.8.5-39.el7.x86_64
  Installing : kernel-headers-3.10.0-1062.9.1.el7.x86_64
  Installing : glibc-headers-2.17-292.el7.x86_64
  Installing : glibc-devel-2.17-292.el7.x86_64
  Installing : gcc-4.8.5-39.el7.x86_64
  Verifying  : glibc-devel-2.17-292.el7.x86_64
  Verifying  : mpfr-3.1.1-4.el7.x86_64
  Verifying  : libmpc-1.0.1-3.el7.x86_64
  Verifying  : kernel-headers-3.10.0-1062.9.1.el7.x86_64
  Verifying  : cpp-4.8.5-39.el7.x86_64
  Verifying  : gcc-4.8.5-39.el7.x86_64
  Verifying  : glibc-headers-2.17-292.el7.x86_64

Installed:
  gcc.x86_64 0:4.8.5-39.el7

Dependency Installed:
  cpp.x86_64 0:4.8.5-39.el7                 glibc-devel.x86_64 0:2.17-292.el7
  glibc-headers.x86_64 0:2.17-292.el7       kernel-headers.x86_64 0:3.10.0-1062.9.1.el7
  libmpc.x86_64 0:1.0.1-3.el7               mpfr.x86_64 0:3.1.1-4.el7

Complete!
```

第四步：跳转到redis解压目录下

```
[root@yu /]# cd /usr/local/
```

```
[root@yu local]# ll
```

```
drwxrwxr-x. 6 root root 4096 Dec 12  2018 redis503
```

第五步：编译安装

make MALLOC=libc

```
[root@yu redis503]# make MALLOC=libc
```

```
    CC siphash.o
    CC rax.o
    CC t_stream.o
    CC listpack.o
    CC localtime.o
    CC lolwut.o
    CC lolwut5.o
    LINK redis-server
    INSTALL redis-sentinel
    CC redis-cli.o
    LINK redis-cli
    CC redis-benchmark.o
    LINK redis-benchmark
    INSTALL redis-check-rdb
    INSTALL redis-check-aof

Hint: It's a good idea to run 'make test' ;)

make[1]: Leaving directory `/usr/local/redis503/src'
```

复制

第六步、安装并指定安装目录

make install PREFIX=/usr/local/redis

```
[root@yu redis503]# make install PREFIX=/usr/local/redis
```

```
[root@yu local]# cd redis
[root@yu redis]# ll
total 0
drwxr-xr-x. 2 root root 134 Dec 23 06:33 bin
```

第七步、启动服务

7.1前台启动

```
cd /usr/local/redis/bin/
./redis-server
```

```
[root@yu bin]# pwd
/usr/local/redis/bin
[root@yu bin]# ./redis-server _
```

```
7630:C 23 Dec 2019 06:37:28.501 # Warning: no config file specified, using the default confi
der to specify a config file use ./redis-server /path/to/redis.conf
7630:M 23 Dec 2019 06:37:28.502 * Increased maximum number of open files to 10032 (it was or
 set to 1024).
                _.-``__ ''-._
           _.-``    `.  `_.  ''-._           Redis 5.0.3 (00000000/0) 64 bit
       .-`` .-```.  ```\/    _.,_ ''-._
      (    '      ,       .-`  | `,    )     Running in standalone mode
      |`-._`-...-` __...-.``-._|'` _.-'|     Port: 6379
      |    `-._   `._    /     _.-'    |     PID: 7630
       `-._    `-._  `-./  _.-'    _.-'
      |`-._`-._    `-.__.-'    _.-'_.-'|
      |    `-._`-._        _.-'_.-'    |           http://redis.io
       `-._    `-._`-.__.-'_.-'    _.-'
      |`-._`-._    `-.__.-'    _.-'_.-'|
      |    `-._`-._        _.-'_.-'    |
       `-._    `-._`-.__.-'_.-'    _.-'
           `-._    `-.__.-'    _.-'
               `-._        _.-'
                   `-.__.-'
```

7.2后台启动

```
从 redis 的源码目录中复制 redis.conf 到 redis 的安装目录

]# cp /usr/local/redis-5.0.3/redis.conf /usr/local/redis/bin/
```

```
[root@yu bin]# cp /usr/local/redis503/redis.conf /usr/local/redis/bin/
```

```
修改 redis.conf 文件，把 daemonize no 改为 daemonize yes

bin]# vi redis.conf
```

```
# 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 yes
```

指定后台启动文件

bin]# ./redis-server redis.conf

```
[root@yu bin]# ./redis-server /usr/local/redis/bin/redis.conf
7697:C 23 Dec 2019 06:46:57.661 # oO0OoO0OoO0Oo Redis is starting oO0OoO0OoO0Oo
7697:C 23 Dec 2019 06:46:57.662 # Redis version=5.0.3, bits=64, commit=00000000, modified=0, pid=769
7, just started
7697:C 23 Dec 2019 06:46:57.663 # Configuration loaded
```

第八步、关闭redis进程

查看redis进程

```
[root@yu bin]# ps -ef | grep redis
root       7630   1510  0 06:37 tty1     00:00:00 ./redis-server *:6379
root       7701   1510  0 06:48 tty1     00:00:00 grep --color=auto redis
[root@yu bin]#
```

kill掉进程

```
[root@yu bin]# kill 7630
```

第九步、设置开机启动

添加开机启动服务

bin]# vi /etc/systemd/system/redis.service

```
[Unit]
Description=redis-server
After=network.target

[Service]
Type=forking
ExecStart=/usr/local/redis/bin/redis-server /usr/local/redis/bin/redis.conf
PrivateTmp=true

[Install]
WantedBy=multi-user.target_
```

设置开机启动

```
[root@localhost bin]# systemctl daemon-reload

[root@localhost bin]# systemctl start redis.service

[root@localhost bin]# systemctl enable redis.service
```

```
[root@yu bin]# systemctl daemon-reload
```

```
[root@yu bin]# systemctl start redis.service
[root@yu bin]# systemctl enable redis.service
Created symlink from /etc/systemd/system/multi-user.target.wants/redis.service to /etc/systemd/syste
m/redis.service.
```

第十步、创建创建软链接

```
[root@yu ~]# ln -s /usr/local/redis/bin/redis-cli /usr/bin/redis
[root@yu ~]# redis
127.0.0.1:6379> _
```

```
127.0.0.1:6379> ping
PONG
127.0.0.1:6379> exit
[root@yu ~]#
```

服务操作命令

```
systemctl start redis.service   #启动redis服务

systemctl stop redis.service   #停止redis服务

systemctl restart redis.service   #重新启动服务

systemctl status redis.service   #查看服务当前状态

systemctl enable redis.service   #设置开机自启动

systemctl disable redis.service   #停止开机自启动
```

重启测试