安装

下载地址

http://redis.io/

上传至服务器

```
[root@localhost ~]# ll
总用量 201836
-rw-------. 1 root root      1293 12月 20 18:14 anaconda-ks.cfg
-rw-r--r--. 1 root root   9653382 1月   19 14:11 apache-tomcat-8.5.37.tar.gz
-rw-r--r--. 1 root root 194042837 1月   18 16:10 jdk-8u202-linux-x64.tar.gz
drwxr-xr-x. 9 1001 1001       186 1月   19 14:35 nginx-1.14.2
-rw-r--r--. 1 root root   1015384 1月   19 14:33 nginx-1.14.2.tar.gz
-rw-r--r--. 1 root root   1959445 2月    1 11:26 redis-5.0.3.tar.gz
```

解压

```
tar zxvf redis-5.0.3.tar.gz
```

安装依赖

```
yum -y install gcc-c++ autoconf automake
```

```
总计                                                                    547 kB/s | 2.0 MB  00:00:03
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  正在安装    : m4-1.4.16-10.el7.x86_64                                                    1/6
  正在安装    : perl-Thread-Queue-3.02-2.el7.noarch                                        2/6
  正在安装    : perl-Test-Harness-3.28-3.el7.noarch                                        3/6
  正在安装    : perl-Data-Dumper-2.145-3.el7.x86_64                                        4/6
  正在安装    : autoconf-2.69-11.el7.noarch                                               5/6
  正在安装    : automake-1.13.4-3.el7.noarch                                              6/6
  验证中      : autoconf-2.69-11.el7.noarch                                               1/6
  验证中      : perl-Data-Dumper-2.145-3.el7.x86_64                                        2/6
  验证中      : perl-Test-Harness-3.28-3.el7.noarch                                        3/6
  验证中      : perl-Thread-Queue-3.02-2.el7.noarch                                        4/6
  验证中      : automake-1.13.4-3.el7.noarch                                              5/6
  验证中      : m4-1.4.16-10.el7.x86_64                                                    6/6

已安装:
  autoconf.noarch 0:2.69-11.el7                      automake.noarch 0:1.13.4-3.el7
```

预编译

切换到解压目录

```
cd redis-5.0.3/
make
```

```
        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]: 离开目录" /root/redis-5.0.3/src"
```

安装

创建安装目录

```
mkdir -p /usr/local/redis
```

不使用：make install（make install默认安装到/usr/local/bin目录下）

使用：如果需要指定安装路径，需要添加PREFIX参数

```
make PREFIX=/usr/local/redis/ install
```



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

        INSTALL install
        INSTALL install
        INSTALL install
        INSTALL install
        INSTALL install
make[1]: 离开目录" /root/redis-5.0.3/src"
```

安装成功如图


```
[root@localhost bin]# pwd
/usr/local/redis/bin
[root@localhost bin]# ll
总用量 32672
-rwxr-xr-x. 1 root root 4367312 2月    1 11:35 redis-benchmark
-rwxr-xr-x. 1 root root 8092008 2月    1 11:35 redis-check-aof
-rwxr-xr-x. 1 root root 8092008 2月    1 11:35 redis-check-rdb
-rwxr-xr-x. 1 root root 4802672 2月    1 11:35 redis-cli
lrwxrwxrwx. 1 root root      12 2月    1 11:35 redis-sentinel -> redis-server
-rwxr-xr-x. 1 root root 8092008 2月    1 11:35 redis-server
```

`Redis-cli` :客户端

`Redis-server` :服务器端

启动

安装的默认目标路径：/usr/local/redis/bin

```
[root@localhost ~]# cd /usr/local/redis/bin/
[root@localhost bin]# pwd
/usr/local/redis/bin
[root@localhost bin]# ll
总用量 8532
-rw-r--r--. 1 root root        18 4月   20 15:25 dump.rdb
-rwxr-xr-x. 1 root root   2076472 4月   20 15:22 redis-benchmark
-rwxr-xr-x. 1 root root     25168 4月   20 15:22 redis-check-aof
-rwxr-xr-x. 1 root root     56008 4月   20 15:22 redis-check-dump
-rwxr-xr-x. 1 root root   2206120 4月   20 15:22 redis-cli
lrwxrwxrwx. 1 root root        12 4月   20 15:22 redis-sentinel -> redis-server
-rwxr-xr-x. 1 root root   4358688 4月   20 15:22 redis-server
```

启动

```
./redis-server
```

```
[root@localhost bin]# ./redis-server
15630:C 24 Oct 09:36:46.722 # Warning: no config file specified, using the default config. In order to specify a config file use ./redi
15630:M 24 Oct 09:36:46.723 * Increased maximum number of open files to 10032 (it was originally set to 1024).

                Redis 3.0.6 (00000000/0) 64 bit

                Running in standalone mode
                Port: 6379
                PID: 15630

                http://redis.io


15630:M 24 Oct 09:36:46.755 # WARNING: The TCP backlog setting of 511 cannot be enforced because /proc/sys/net/core/somaxconn is set to
15630:M 24 Oct 09:36:46.755 # Server started, Redis version 3.0.6
15630:M 24 Oct 09:36:46.756 # WARNING overcommit_memory is set to 0! Background save may fail under low memory condition. To fix this i
and then reboot or run the command 'sysctl vm.overcommit_memory=1' for this to take effect.
15630:M 24 Oct 09:36:46.756 # WARNING you have Transparent Huge Pages (THP) support enabled in your kernel. This will create latency an
the command 'echo never > /sys/kernel/mm/transparent_hugepage/enabled' as root, and add it to your /etc/rc.local in order to retain the
HP is disabled.
15630:M 24 Oct 09:36:46.756 * The server is now ready to accept connections on port 6379
```

默认为前台启动，修改为后台启动

复制redis.conf至安装路径下

```
cp redis.conf /usr/local/redis/bin/
```

修改安装路径下的redis.conf，将 `daemonize` 修改为yes

```
134 # By default Redis does not run as a daemon. Use 'yes' if you need it.
135 # Note that Redis will write a pid file in /var/run/redis.pid when daemonized.
136 daemonize yes
```
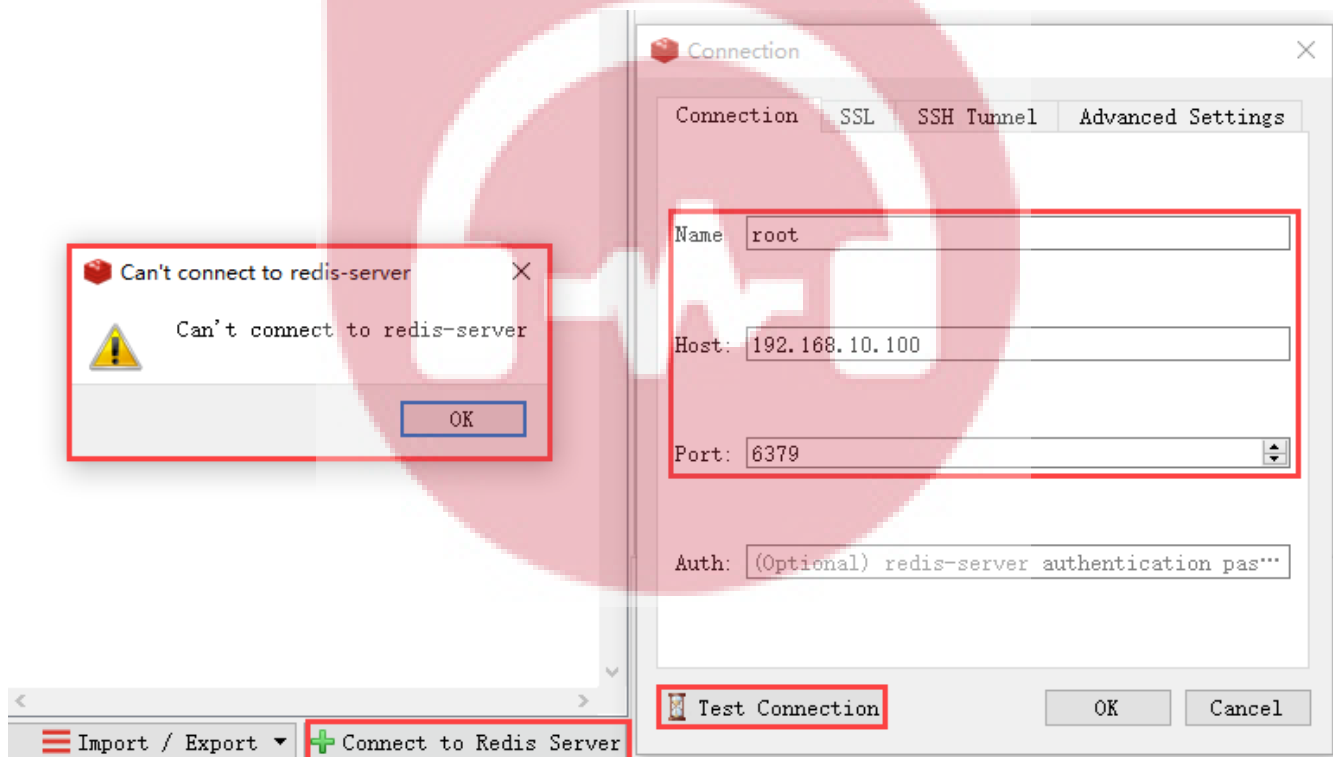
启动时，指定配置文件路径即可

```
[root@localhost bin]# ./redis-server ./redis.conf
14505:C 02 Aug 11:17:04.228 # oO0OoO0OoO0Oo Redis is starting oO0OoO0OoO0Oo
14505:C 02 Aug 11:17:04.228 # Redis version=4.0.10, bits=64, commit=00000000, modified=0, pid=14505, just started
14505:C 02 Aug 11:17:04.228 # Configuration loaded
[root@localhost bin]# ps -ef | grep redis
root      14506      1  0 11:17 ?        00:00:00 ./redis-server 127.0.0.1:6379
root      14511  14416  0 11:17 pts/2    00:00:00 grep --color=auto redis
```

通过windows客户端访问

安装Redis客户端

redis-desktop-manager-0.8.8.384.exe   应用程序   27,828 KB

建立连接->失败

修改配置文件redis.conf

注释掉 `bind 127.0.0.1` 可以使所有的ip访问redis，若是想指定多个ip访问，但并不是全部的ip访问，可以bind设置

```
66 # IF YOU ARE SURE YOU WANT YOUR INSTANCE TO LISTEN TO ALL THE INTERFACES
67 # JUST COMMENT THE FOLLOWING LINE.
68 # ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
69 #bind 127.0.0.1
```

关闭保护模式，修改为no

```
84 # By default protected mode is enabled. You should disable it only if
85 # you are sure you want clients from other hosts to connect to Redis
86 # even if no authentication is configured, nor a specific set of interfaces
87 # are explicitly listed using the "bind" directive.
88 protected-mode no
```
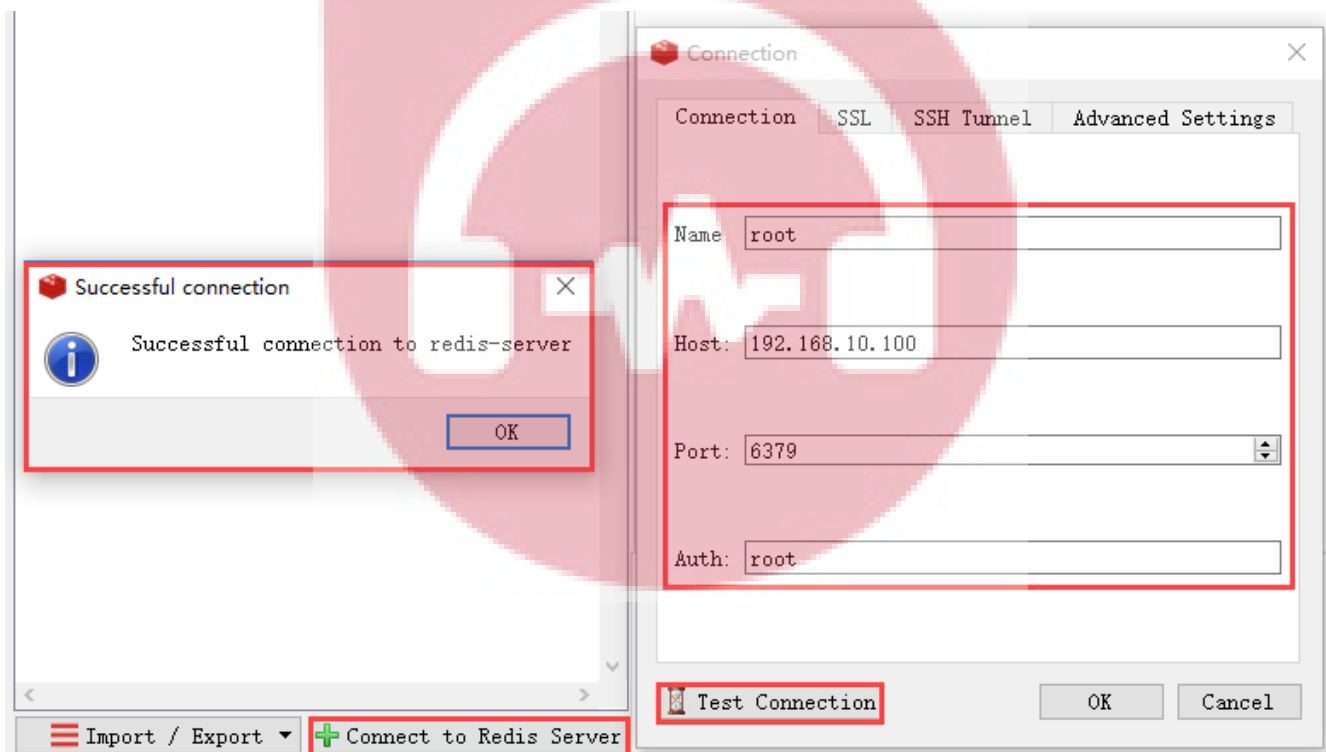
添加访问认证

```
496 # Warning: since Redis is pretty fast an outside user can try up to
497 # 150k passwords per second against a good box. This means that you should
498 # use a very strong password otherwise it will be very easy to break.
499 #
500 requirepass root
```

修改后kill -9 XXXX杀死redis进程，重启redis

```
[root@localhost bin]# ps -ef | grep redis
root      5688      1  0 16:15 ?        00:00:00 ./redis-server *:6379
root      5693   2219  0 16:16 pts/0    00:00:00 grep --color=auto redis
[root@localhost bin]# kill -9 5688
[root@localhost bin]# ./redis-server ./redis.conf
```

再次建立连接 -> 成功

我们可以修改默认数据库的数量 默认16

```
183 # Set the number of databases. The default database is DB 0, you can select
184 # a different one on a per-connection basis using SELECT <dbid> where
185 # dbid is a number between 0 and 'databases'-1
186 databases 16
```

修改database 32则默认为32个数据库

修改后kill -9 XXXX杀死redis进程，重启redis即可看到效果

```
[root@localhost bin]# ps -ef | grep redis
root        5688       1  0 16:15 ?        00:00:00 ./redis-server *:6379
root        5693    2219  0 16:16 pts/0    00:00:00 grep --color=auto redis
[root@localhost bin]# kill -9 5688
[root@localhost bin]# ./redis-server ./redis.conf
```