

1.安装 java 参考 :

<http://jingyan.baidu.com/article/647f0115bb26817f2048a871.html>

2.下载 zip: <http://git.oschina.net/aagagagag/R3-Query>

或者 git clone :

```
mean@elementaryos:~$ mkdir r3
mean@elementaryos:~$ ls
Desktop  Downloads  Pictures  r3          Videos  visible.gif  visible
Documents Music      Public   Templates  visible.db  visible-ibus.tar.gz  Websto
mean@elementaryos:~$ cd r3
mean@elementaryos:~/r3$ ls
mean@elementaryos:~/r3$ git clone https://git.oschina.net/aagagagag/R3-Query.git
正克隆到 'R3-Query'...
remote: Counting objects: 3610, done.
remote: Compressing objects: 100% (3479/3479), done.
remote: Total 3610 (delta 809), reused 0 (delta 0)
接收对象中: 100% (3610/3610), 245.79 MiB | 1.04 MiB/s, done.
处理 delta 中: 100% (809/809), done.
检查连接... 完成。
```

3.进入到 R3-Query 目录

```
mean@elementaryos:~/r3$ cd R3-Query/
```

4.进入到 bin 目录

```
mean@elementaryos:~/r3/R3-Query$ ls
bin  doc  LICENSE  R3  r3log  README.md  src
mean@elementaryos:~/r3/R3-Query$ cd bin
mean@elementaryos:~/r3/R3-Query/bin$ ls
R3_Query_v5.0.zip
```

## 5.解压 ZIP

```
mean@elementaryos:~/r3/R3-Query/bin$ unzip R3_Query_v5.0.zip
```

## 6.复制解压后的文件到用户根目录

```
mean@elementaryos:~/r3/R3-Query/bin$ cp -r R3_Query_v5.0 ~/R3_Query_v5.0
```

## 7.进入根目录中的 R3\_Query\_v5.0 文件夹中

```
mean@elementaryos:~/r3/R3-Query$ cd ~
mean@elementaryos:~$ ls
Desktop    Downloads  Pictures  r3          Templates  visible.db  visible-ib
Documents Music      Public   R3_Query_v5.0  Videos    visible.gif  visible.txt
mean@elementaryos:~$ cd R3_Query_v5.0/
```

## 8.进入 bin 目录执行，之后会报错，发现没有执行权限 添加执行权限 执行成功

```
mean@elementaryos:~/R3_Query_v5.0$ cd bin
mean@elementaryos:~/R3_Query_v5.0/bin$ ls
bootstrap.jar      commons-daemon-native.tar.gz  digest.sh          shutdown.bat
catalina.bat      configtest.bat                gc.log             shutdown.sh
catalina.sh       configtest.sh                 r3log              startup.bat
catalina-tasks.xml daemon.sh                       setclasspath.bat  startup.sh
commons-daemon.jar digest.bat                     setclasspath.sh   tomcat-juli.jar
mean@elementaryos:~/R3_Query_v5.0/bin$ ./catalina.sh start
bash: ./catalina.sh: 权限不够
mean@elementaryos:~/R3_Query_v5.0/bin$ chmod +x *.sh
mean@elementaryos:~/R3_Query_v5.0/bin$ ./catalina.sh start
Using CATALINA_BASE:   /home/mean/R3_Query_v5.0
Using CATALINA_HOME:   /home/mean/R3_Query_v5.0
Using CATALINA_TMPDIR: /home/mean/R3_Query_v5.0/temp
Using JRE_HOME:        /usr/lib/jvm/java/jre
Using CLASSPATH:       /home/mean/R3_Query_v5.0/bin/bootstrap.jar:/home/mean/R3_Query_v5.0/bin/commons-daemon-native.tar.gz
Tomcat started.
```

## 9.这个时候应该 已经成功了，如果像我一样访问不成功，应该就是 880 端口没有打开,改成

端口为 8080 请注意我的路径 在 conf 中执行的!!! 具体改了哪一个我也不记得了。

对着来吧

```
mean@elementaryos:~/R3_Query_v5.0/conf$ vi server.xml
```

```
62 <!-- A "Connector" represents an endpoint by which requests are received^
63 and responses are returned. Documentation at :^M
64 Java HTTP Connector: /docs/config/http.html (blocking & non-blocking^
65 Java AJP Connector: /docs/config/ajp.html^M
66 APR (HTTP/AJP) Connector: /docs/apr.html^M
67 Define a non-SSL/TLS HTTP/1.1 Connector on port 8080^M
68 -->^M
69 <Connector port="8080" protocol="HTTP/1.1" URIEncoding="UTF-8"^M
70 connectionTimeout="20000"^M
71 redirectPort="8443" />^M
72 <!-- A "Connector" using the shared thread pool-->^M
73 <!--^M
74 <Connector executor="tomcatThreadPool"^M
75 port="8080" protocol="HTTP/1.1"^M
76 connectionTimeout="20000"^M
77 redirectPort="8443" />^M
78 -->^M
79 <!-- Define a SSL/TLS HTTP/1.1 Connector on port 8443^M
80 This connector uses the NIO implementation that requires the JSSE^M
81 style configuration. When using the APR/native implementation, the^M
82 OpenSSL style configuration is required as described in the APR/nati^
83 documentation -->^M
84 <!--^M
85 <Connector port="8443" protocol="org.apache.coyote.http11.Http11NioProtoc^
86 maxThreads="150" SSLEnabled="true" scheme="https" secure="true^
87 clientAuth="false" sslProtocol="TLS" />^M
```

10.因为老的时程还开着呢。先查看 java 进程是否开着，如果开着直接 kill

```
mean@elementaryos:~/R3_Query_v5.0/bin$ ps -e
PID TTY          TIME CMD
  1 ?            00:00:00 init
  2 ?            00:00:00 kthreadd
  3 ?            00:00:00 ksoftirqd/0
  5 ?            00:00:00 kworker/0:0H
  7 ?            00:00:07 rcu_sched
  8 ?            00:00:00 rcu_bh
  9 ?            00:00:05 rcuos/0
 10 ?           00:00:00 rcuob/0
 11 ?           00:00:00 migration/0
 12 ?           00:00:00 watchdog/0
 13 ?           00:00:00 watchdog/1
 14 ?           00:00:00 migration/1
```

```
29356 ?      00:00:00 kworker/u8:1
29380 ?      00:00:00 kworker/1:1
29601 ?      00:00:00 kworker/2:1
29848 ?      00:00:04 software-center
29858 ?      00:00:00 aptd
29867 ?      00:00:00 kworker/0:2
29891 ?      00:00:08 Web Content
29931 pts/2    00:00:00 bash
30097 pts/1    00:00:28 java
30207 ?      00:00:00 kworker/3:1
30225 pts/6    00:00:00 bash
30250 ?      00:00:00 kworker/1:0
30426 ?      00:00:00 kworker/u8:2
30505 ?      00:00:00 oneconf-service
30524 ?      00:00:00 kworker/0:1
30632 pts/1    00:00:00 ps
mean@elementaryos:~/R3_Query_v5.0/bin$ kill 30097
```

## 11.启动

```
mean@elementaryos:~/R3_Query_v5.0/bin$ ./catalina.sh start
Using CATALINA_BASE:   /home/mean/R3_Query_v5.0
Using CATALINA_HOME:   /home/mean/R3_Query_v5.0
Using CATALINA_TMPDIR: /home/mean/R3_Query_v5.0/temp
Using JRE_HOME:        /usr/lib/jvm/java/jre
Using CLASSPATH:       /home/mean/R3_Query_v5.0/bin/bootstrap.jar:/home/mean/R3_Qu
Tomcat started.
```

如果还出错，我无解，求助： @R3

发个 PDF ,如果谁觉得里面有些内容什么有错误的，或者要添加的，也通知我一声哈！！

@R3 的受益者：Tee QQ：1704653

