# 1. Dir Structure

Contains two zip archives: Redis-3.0.3 and Pagoda-source-code. Among them, Pagoda-source-code contains all the dependent environments for the code to compile. The core code of pagoda is in the graduate directory, and the jiance-redis directory in passtools-20101210.

# 2. Requests

Ubuntu 16.04 x86；

gcc version 5.4.0；

redis-3.0.3；

BerkeleyDB 4.6.21（Pagoda-source-code\db-4.6.21）

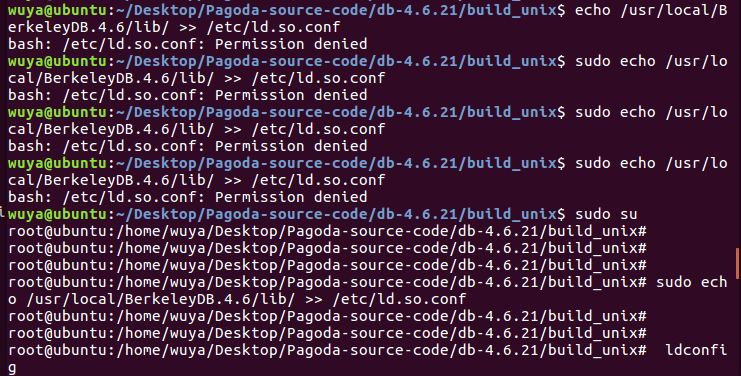
# 3. Compile

1. install redis-3.0.3

* 1. wget <http://download.redis.io/releases/redis-3.0.3.tar.gz>
  2. tar -xzvf redis-3.0.3.tar.gz
  3. cd redis-3.0.3/
  4. make test
  5. make
  6. cd deps/
  7. cd hiredis/
  8. make
  9. make install
  10. sudo make install

2. install BerkeleyDB 4.6.21（Pagoda-source-code\db-4.6.21）

1. tar zxfv db-4.6.21.tar.gz
2. cd db-4.6.21/build\_unix/
3. ../dist/configure
4. make
5. make install
6. sudo make install
7. sudo su
8. sudo echo /usr/local/BerkeleyDB.4.6/lib/ >> /etc/ld.so.conf
9. ldconfig



3. compile graduate

1. gcc -o flushall flushall.c -L/usr/local/lib/ -lhiredis
2. gcc -o redis redis.c -L/usr/local/lib/ -lhiredis
3. gcc -o flushdb flushdb.c -L/usr/local/lib/ -lhiredis

4. compile jiance-redis

1. cd ../../passtools-20101210/jiance-redis/
2. ls
3. make jiance

# 4. Usage

#xxxxxx Intrusion Detection System

#### How to run it:

Open redis service by running the following command:

`/redis-3.0.3/src/redis-server`

#####There are four steps to generating a rule base.

At `graduate` directory, run:

1.`./flushall `

At ` passtools-20101210` directory, run:

2.`/jiance-redis/jiance –d 'g'`

3.`/jiance-redis/jiance <filename> -d 'p'`

4.`/jiance-redis/jiance <filename> -d 'b'`

The data will be imported into the redis database.

#####There are three steps to perform the detection step.

At `graduate` directory, run:

1.`./flushdb

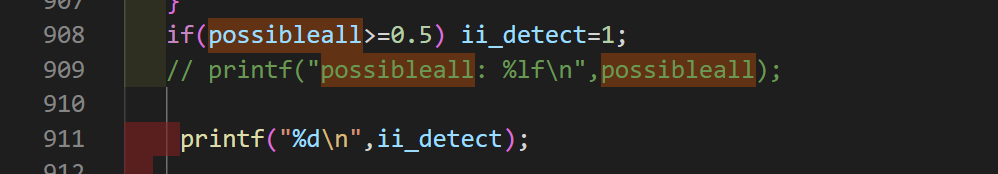
At ` passtools-20101210` directory, run:`

2.`./redis <filename1> <filename2>`

3.`/jiance-redis/jiance <filename> -d 'j'`

# 5. Supplementary material

graph threshold：



path threshold：

