




# 【Python小程序】CTFhash碰撞脚本

原创

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21 篇文章 0 订阅

订阅专栏

# CTF

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9 篇文章 0 订阅

订阅专栏

```
import hashlib
from multiprocessing import pool
from multiprocessing.dummy import Pool as ThreadPool
# MD5Truncation value is known. Find raw data.
# Example substr(md5(captcha), 0, 6)=60b7ef

def md5(s): #calculate MD5 string
    return hashlib.md5(str(s).encode('utf-8')).hexdigest()

def findmd5(sss): # Input range will be tested in md5
    key = sss.split(':')
    Start = int(key[0]) # start position
    End = int(key[1]) # end position
    result = 0
    for i in range(Start, End):
        # print(md5(i)[md5start:md5length])
        if md5(i)[0:6] == '60b7ef': # get the encrypted string
            result = i
            print (result) # print
            break

List=[] # parameter list
for i in range(10): # multi-threaded list of numbers start and end
    List.append(str(10000000*i) + ':' + str(10000000*(i+1)))
    Pool = ThreadPool() # Multithreaded task
    Pool.map(findmd5, List) # function and parameter list
```