SOCIAL ENGINEERING

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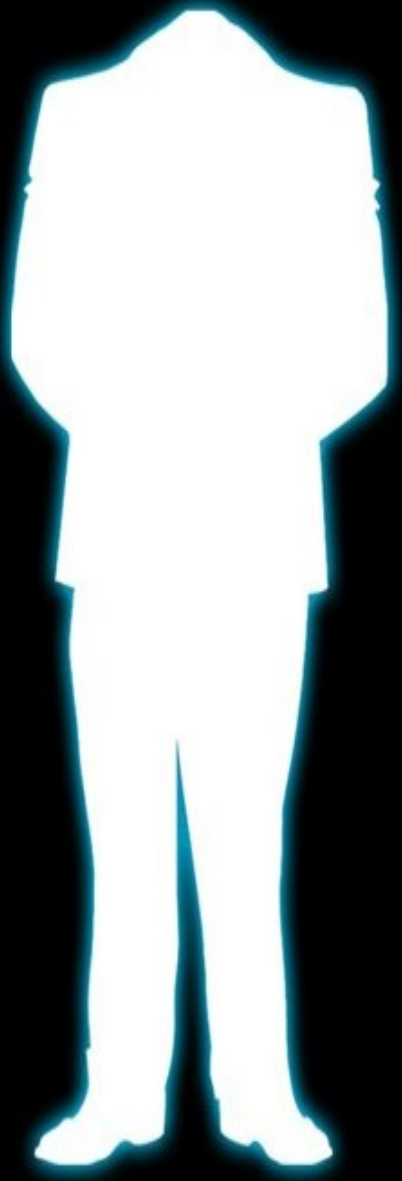
#WHOAMI

Gold medalist in Taekwondo

https://github.com/Wir3GhOst
https://github.com/OffS3c

@Wir3GhOst 

SOCIAL ? ENGINEERING



The Art of manipulating people into giving up sensitive information or gaining their trust

NO Anti-virus No Protection

The real Vulnerability is our Human Brain

You just need to know how to Exploit it

Real World Examples

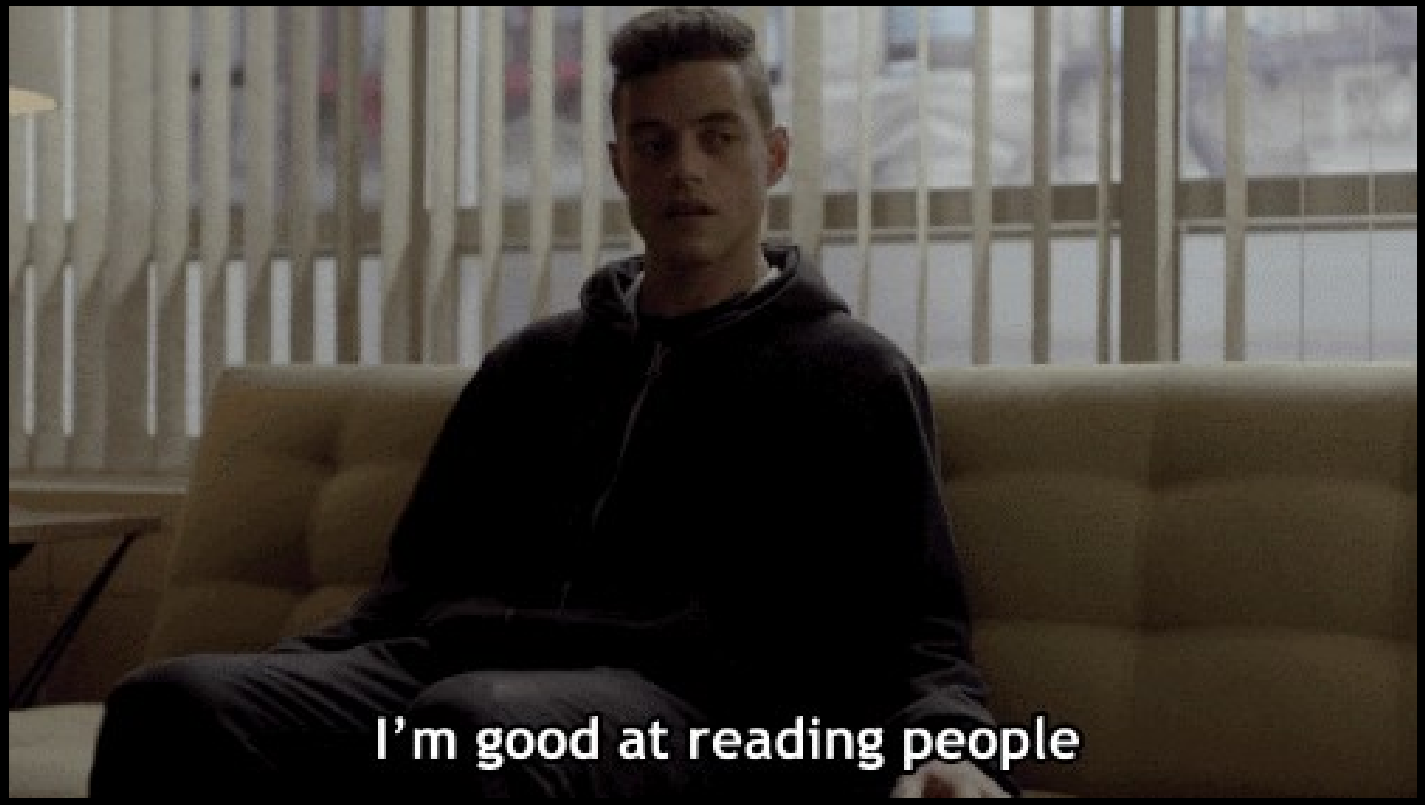
Back in 2013, the Associated Press Twitter account was taken over by the Syrian Electronic Army (SEA) thought **Phishing**

Within moments, the stock market dropped the Dow Jones Industrial Average dropped **150** points as the tweet was retweeted

Fake News

Its found on Social Media Websites. This Attack Work so well because its claim to show something which everyone wants to see

Learn Social Engineering from Elliot



What is Social Engineering Toolkit ?

Basic of Social **Engineering** Toolkit

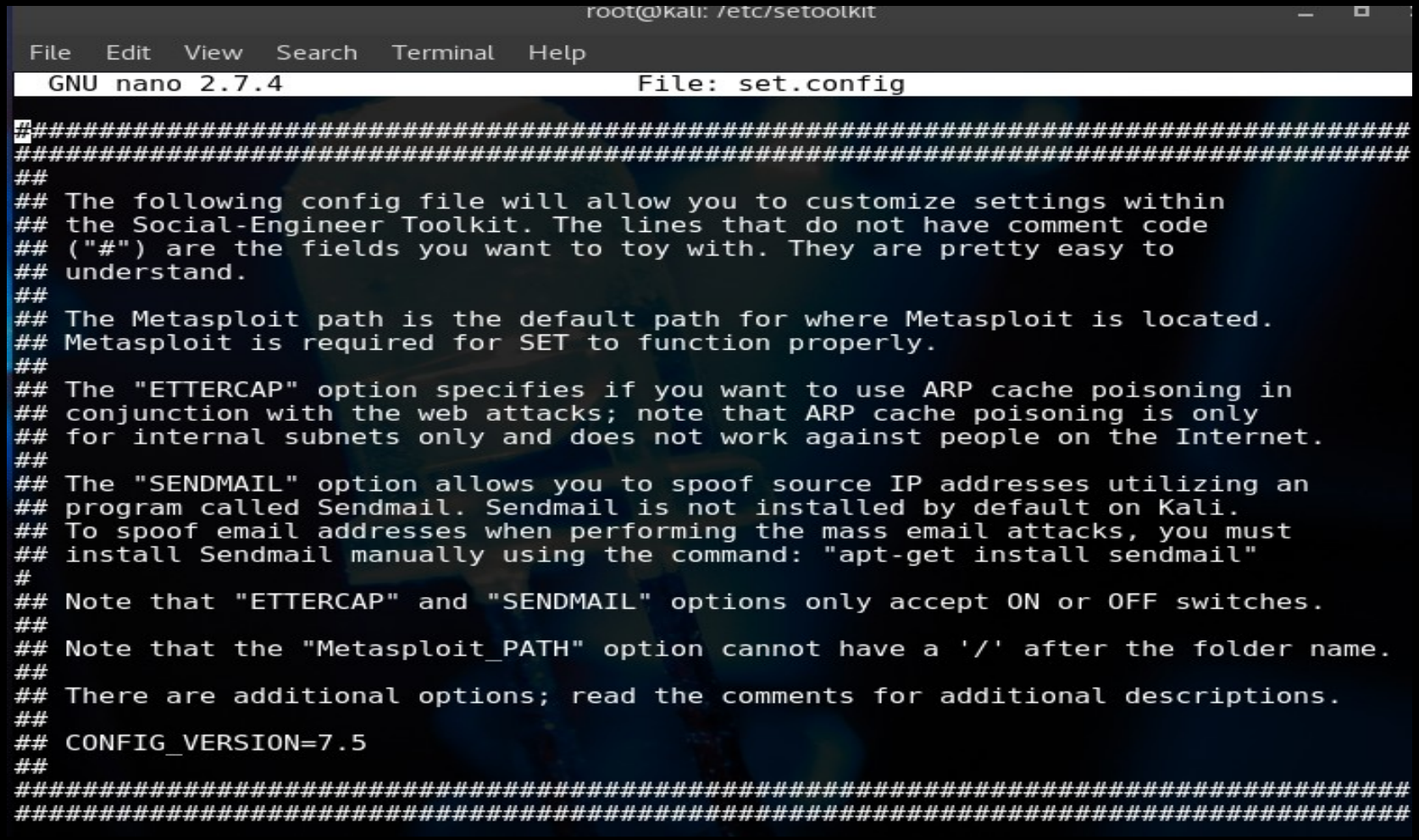
- Also known as SET
- Open Source
- Purely Python
- SET is written by David Kennedy

Download Link: https://github.com/trustedsec/social-engineer-toolkit

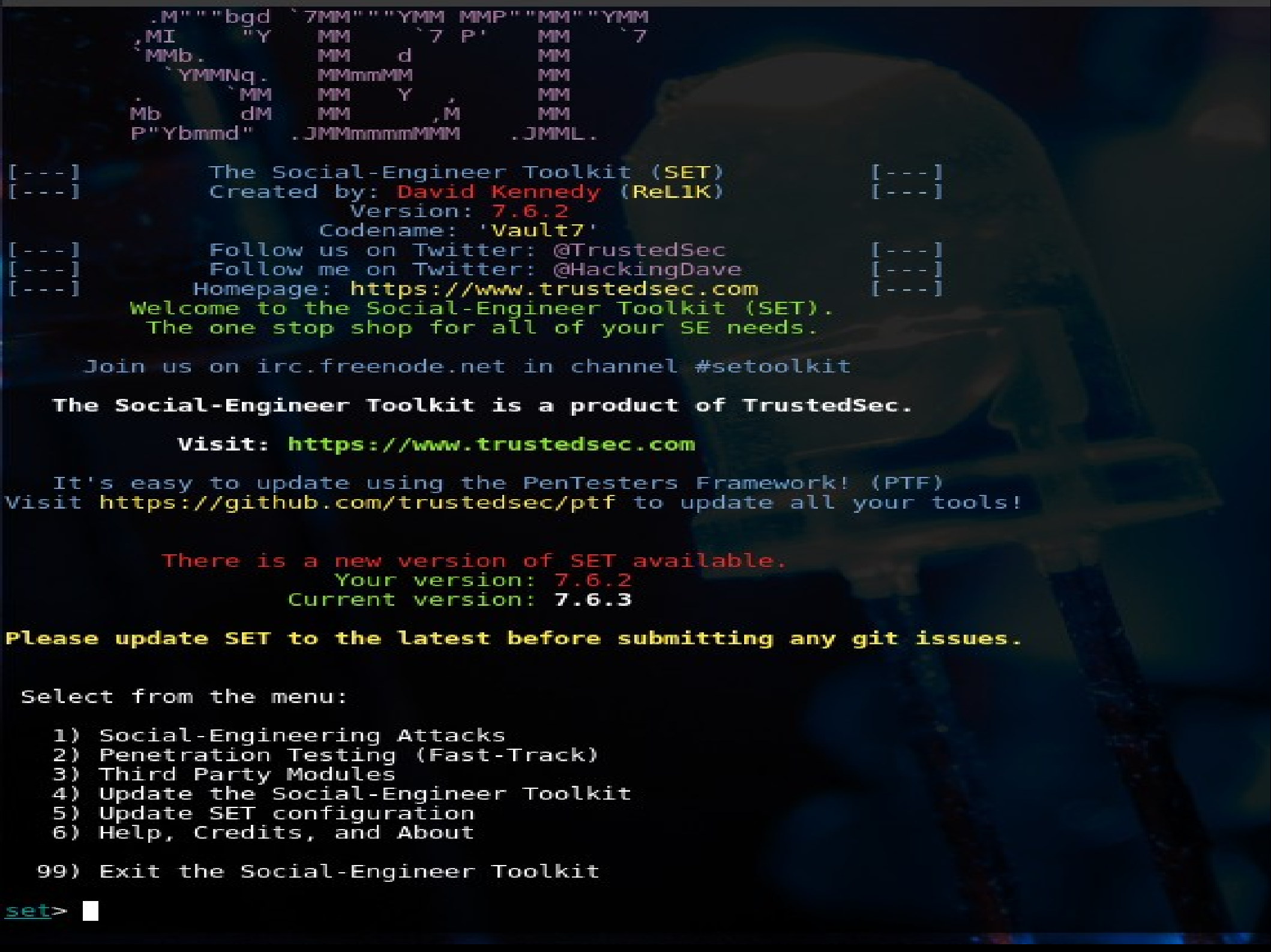
Already Built in : Kali Linux , BlackBox Linux , Parrot Security etc

Brain *of* SET

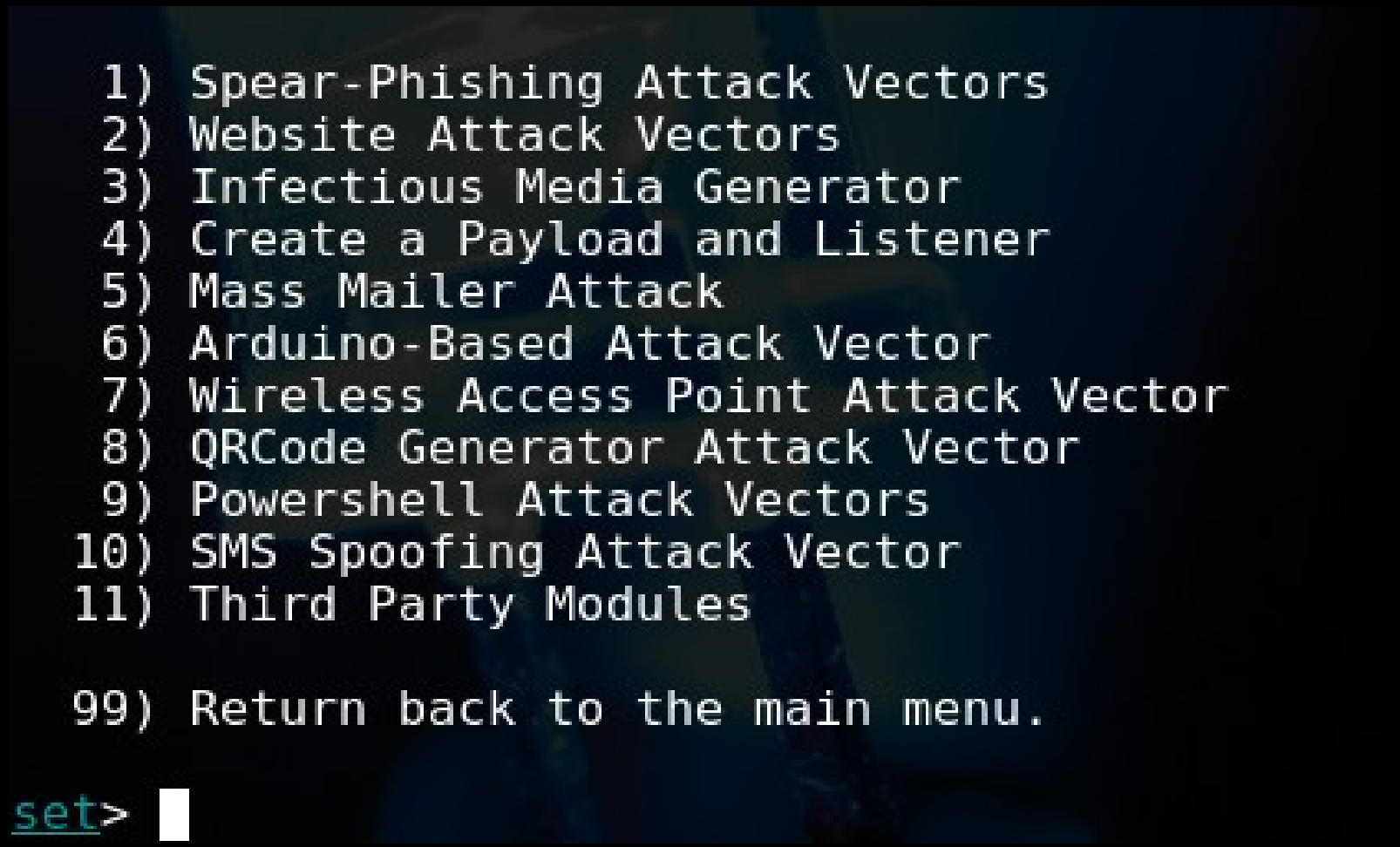
SET by default works perfect for most people but there can be situations when you have to modify the settings according to the scenario and requirements.



Config File Pat : */etc/setoolkit/set_config*


.M"""bgd `7MM"""YMM MMP""MM""YMM
,MI "Y MM `7 P' MM `7
`MMb. MM d MM
`YMMNq. MMmmMM MM
. `MM MM Y , MM
Mb dM MM ,M MM
P"Ybmmd" .JMMmmmmMMM .JMML.
[---] The Social-Engineer Toolkit (SET) [---]
[---] Created by: David Kennedy (ReL1K) [---]
Version: 7.6.2
Codename: 'Vault7'
[---] Follow us on Twitter: @TrustedSec [---]
[---] Follow me on Twitter: @HackingDave [---]
[---] Homepage: https://www.trustedsec.com [---]
Welcome to the Social-Engineer Toolkit (SET).
The one stop shop for all of your SE needs.
Join us on irc.freenode.net in channel #setoolkit
The Social-Engineer Toolkit is a product of TrustedSec.
Visit: https://www.trustedsec.com
It's easy to update using the PenTesters Framework! (PTF)
Visit https://github.com/trustedsec/ptf to update all your tools!
There is a new version of SET available.
Your version: 7.6.2
Current version: 7.6.3
Please update SET to the latest before submitting any git issues.
Select from the menu:
1) Social-Engineering Attacks
2) Penetration Testing (Fast-Track)
3) Third Party Modules
4) Update the Social-Engineer Toolkit
5) Update SET configuration
6) Help, Credits, and About
99) Exit the Social-Engineer Toolkit
set>

Social-Engineering Attacks



Website Attack Vectors

1) Java Applet Attack Method
2) Metasploit Browser Exploit Method
3) Credential Harvester Attack Method
4) Tabnabbing Attack Method
5) Web Jacking Attack Method
6) Multi-Attack Web Method
7) Full Screen Attack Method
8) HTA Attack Method

99) Return to Main Menu

Teensy?

#Teensy

Development Board

Support Arduino IDE

Emulate the Keyboard and Mouse

Bypass Auto run Capability

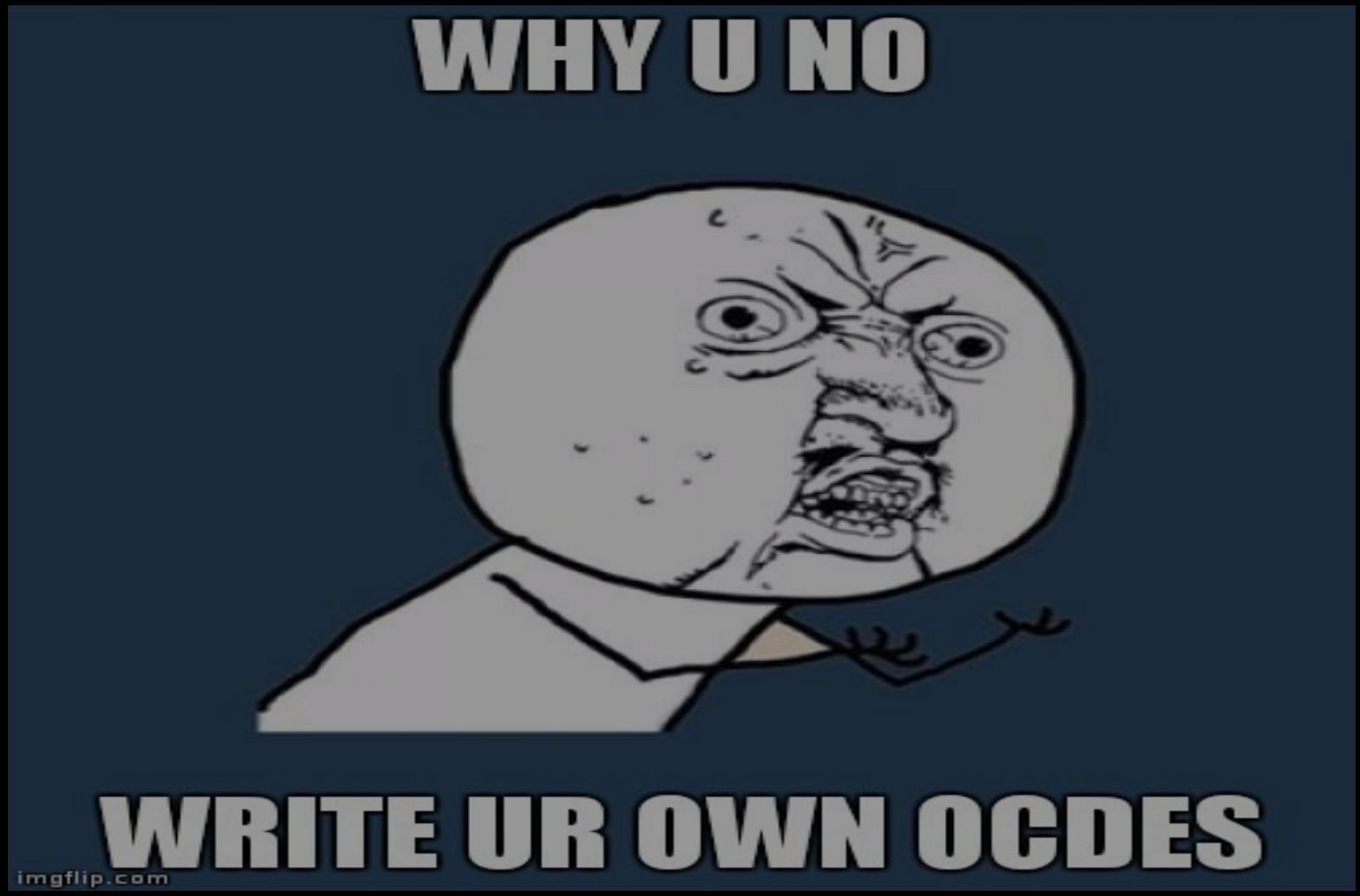
PWNED in 20 seconds

#Arduino-Based Attack Vector

```
 1) Powershell HTTP GET MSF Payload
 2) WSCRIPT HTTP GET MSF Payload
 3) Powershell based Reverse Shell Payload
 4) Internet Explorer/FireFox Beef Jack Payload
 5) Go to malicious java site and accept applet Payload
 6) Gnome wget Download Payload
 7) Binary 2 Teensy Attack (Deploy MSF payloads)
 8) SDCard 2 Teensy Attack (Deploy Any EXE)
 9) SDCard 2 Teensy Attack (Deploy on OSX)
10) X10 Arduino Sniffer PDE and Libraries
11) X10 Arduino Jammer PDE and Libraries
12) Powershell Direct ShellCode Teensy Attack
13) Peensy Multi Attack Dip Switch + SDCard Attack
14) HID Msbuild compile to memory Shellcode Attack

99) Return to Main Menu
```

Seriously ?



DEMO

Developing your own **SET** modules

Basic Structure

```
import src.core.setcore as core
import sys

MAIN="Demo"
AUTHOR="Samaak"

### MAIN ###
def main():
        core.java_applet_attack("https://gmail.com", "443", "reports/")
       pause=raw_input("This module has finished completing. Press <enter> to continue")
```

Core function calls Example

- core.grab_ipaddress()
- core.check_beautifulsoup()
- core.update_set()
- core.site_cloner(website,exportpath,)
- core.meterpreter_reverse_tcp_exe(port)
- core.metasploit_listener_start(payload,port)
- core.start_web_server(directory)
- core.java_applet_attack(website,port,directory)

QUESTIONS ?