

CYBER SECURITYJULYMINOR PROJECT

PROBLEM STATEMENT

5.

Use SET toolkit to perform automation task on phishing and capture the details and write a report on this attack and protection from social engineering attacks.

INTRODUCTION

Social engineering is a cyberattack where criminals psychologically manipulate unsuspecting users into making security mistakes and giving up their confidential information.

Social engineering involves the criminal using human emotions like fear, curiosity, greed, anger, etc. to trick victims into clicking malicious links or physical tailgating attacks.

Social engineering attackers have one of two goals:

- They want to corrupt data to cause inconvenience to an organization.

- They want to steal information, money. or obtain unsolicited access.

REPORT

```
File Edit View Bookmarks Plugins Settings Help
New Tab Split View

[ASCII Art]

The Social-Engineer Toolkit (SET)
Created by: hackplayers (Relix)
Version: 0.0.0
Codename: 'Maverick'
Follow us on Twitter: @TrustedSec
Follow me on Twitter: @hackingplayer
Homepage: https://www.trustedsec.com
Welcome to the Social-Engineer Toolkit (SET).
The new stop shop for all of your SE needs.

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!

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>
```

```
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find

You can configure this option under:
/etc/setoolkit/set.config

Edit this file, and change HARVESTER_REDIRECT and
HARVESTER_URL to the sites you want to redirect to
after it is posted. If you do not set these, then
it will not redirect properly. This only goes for
templates.

1. Java Required
2. Google
3. Twitter

set:webattack> Select a template:2
[*] Cloning the website: http://www.google.com
[*] This could take a little bit...

[+] The Social-Engineer Toolkit Credential Harvester Attack
[*] Credential Harvester is running on port 80
[*] Information will be displayed to you as it arrives below:
```

```
File Edit View Bookmarks Plugins Settings Help
New Tab Split View Copy Paste Find
You can configure this option under:
/etc/setoolkit/set.config
Edit this file, and change HARVESTER_REDIRECT and
HARVESTER_URL to the sites you want to redirect to
after it is posted. If you do not set these, then
it will not redirect properly. This only goes for
templates.

1. Java Required
2. Google
3. Twitter

setoolkit> Select a template:2
[*] Cloning the website: http://www.google.com
[*] This could take a little bit...
[*] The Social-Engineer Toolkit Credential Harvester Attack
[*] Credential Harvester is running on port 88
[*] Information will be displayed to you as it arrives below
```

Edit Link

Text to display:

Link to:

☒ Web address

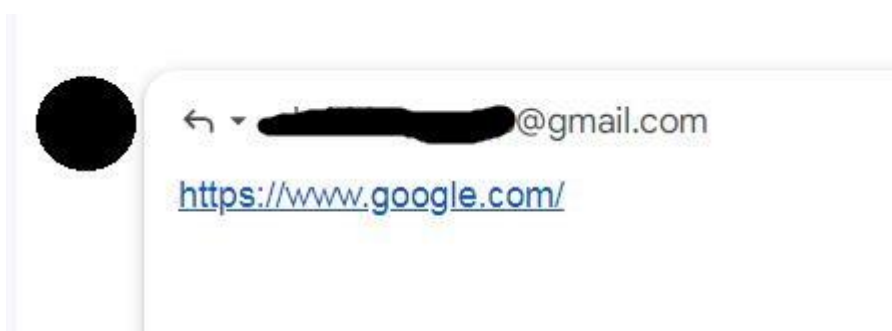
☐ Email address

To what URL should this link go?

[Test this link](#)

Not sure what to put in the box? First, find the page on the web that you want to link to. (A [search engine](#) might be useful.) Then, copy the web address from the box in your browser's address bar, and paste it into the box above.

CancelOK





```
PARAM: checkConnection=
PARAM: checkedDomains=youtube
POSSIBLE USERNAME FIELD FOUND: Email=abhishekkumkar@gmail.com
POSSIBLE PASSWORD FIELD FOUND: Passwd=password
PARAM: signIn=Sign+in
PARAM: PersistentCookie=yes
[*] WHEN YOU'RE FINISHED, HIT CONTROL-C TO GENERATE A REPORT.
```

PROTECTION FROM SOCIALENGINEERINGATTACKS:

Set spam filters to high.

Never use the same password for different accounts.

Use two-factor or multi-factor authentication.

When in doubt, change passwords right away.

Educate employees.
