Open-source tools for Social Engineering

AN INTRODUCTION TO TOOLS AND TECHNIQUES EMPLOYED FOR SOCIAL ENGINEERING ATTACKS

Saroj Gopali June 1, 2023





Social Engineering

- .Tooksineering Toolkit (SET)
- Sherlock
- Zphisher
- Gophish
- Maltego
- Metasploit Framework (MSF)

Sherlock

- A robust command-line tool offered by the Sherlock Project
- A tool that allows you to search for social media accounts associated with a specific username across multiple social networks.
- https://github.com/sherlock-project/ sherlock

```
ili)-[/home/saroj/Downloads/workshop/sherlock]
    python3 sherlock hackerman
[*] Checking username hackerman on:
[+] 9GAG: https://www.9gag.com/u/hackerman
[+] About.me: https://about.me/hackerman
[+] Academia.edu: https://independent.academia.edu/hackerman
[+] Anilist: https://anilist.co/user/hackerman/
[+] Apple Developer: https://developer.apple.com/forums/profile/hackerman
[+] Apple Discussions: https://discussions.apple.com/profile/hackerman
[+] Archive of Our Own: https://archiveofourown.org/users/hackerman
[+] Archive.org: https://archive.org/details/@hackerman
[+] Asciinema: https://asciinema.org/~hackerman
[+] AskFM: https://ask.fm/hackerman
[+] Bandcamp: https://www.bandcamp.com/hackerman
[+] Behance: https://www.behance.net/hackerman
[+] BitBucket: https://bitbucket.org/hackerman/
[+] Blogger: https://hackerman.blogspot.com
[+] BodyBuilding: https://bodyspace.bodybuilding.com/hackerman
[+] CGTrader: https://www.cgtrader.com/hackerman
[+] Career.habr: https://career.habr.com/hackerman
[+] Championat: https://www.championat.com/user/hackerman
[+] Chess: https://www.chess.com/member/hackerman
[+] Clapper: https://clapperapp.com/hackerman
[+] Clubhouse: https://www.clubhouse.com/@hackerman
[+] Codecademy: https://www.codecademy.com/profiles/hackerman
[+] Codeforces: https://codeforces.com/profile/hackerman
[+] Codewars: https://www.codewars.com/users/hackerman
[+] Crowdin: https://crowdin.com/profile/hackerman
```

Zphisher

- Zphisher is a powerful open-source tool an automated Phishing Tool.
- Zphisher is a tool of Kali Linux.
- Zphisher creates phishing pages of popular sites such as Facebook, Instagram, Google, Snapchat, Github, Yahoo, Protonmail, Spotify, Netflix, LinkedIn, WordPress, Origin, Steam, Microsoft, etc
- https://github.com/htr-tech/zphisher

```
[-] Tool Created by htr-tech (tahmid.rayat)
    Select An Attack For Your Victim [::]
     Facebook
                        Twitch
                                           DeviantArt
     Instagram
                        Pinterest
                                           Badoo
     Google
                        Snapchat
                                           Origin
    Microsoft
                        Linkedin
                                           DropBox
                    14
     Netflix
 05
                        Ebav
                                          Yahoo
                    15
     Paypal
                                          Wordpress
                    16
                        Quora
                                          Yandex
     Steam
                        Protonmail
    Twitter
                        Spotify
                                          StackoverFlow
                    18
     Playstation
                        Reddit
                                           ٧k
    Tiktok
                        Adobe
                                          XBOX
                    20
     Mediafire
                        Gitlab
                                          Github
     Discord
                        Roblox
                    35
 99 About
                    [00] Exit
 -] Select an option :
```

Hands on Experience Zphisher -Facebook

```
File Actions Edit View Help
[-] Tool Created by htr-tech (tahmid.ravat)
[::] Select An Attack For Your Victim [::
                   [11] Twitch
                                     [26] Wordpress
                   [35] Roblox
                   [00] Exit
- Select an option : 01
[02] Advanced Voting Poll Login Page
[04] Facebook Messenger Login Page
[-] Select an option : 01
```

```
File Actions Edit View Help

2.3.5

[01] Localhost
[02] Cloudflared [Auto Detects]
[03] LocalXpose [NEW! Max 15Min]

[-] Select a port forwarding service : 02

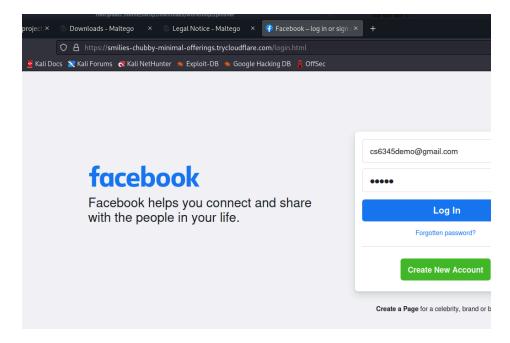
[?] Do You Want A Custom Port [y/N]: N

[-] Using Default Port 8080 ...

[-] Initializing ... (http://127.0.0.1:8080)
```

Hands on Experience Zphisher -Facebook



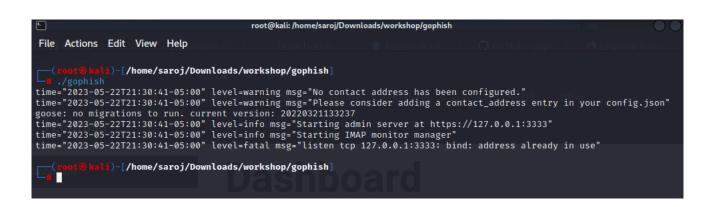


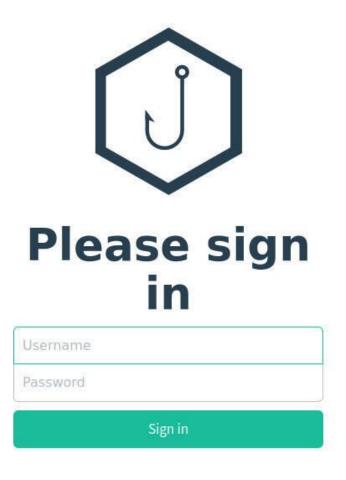
Gophish

- A phishing toolkit with the aim of making robust security awareness training accessible to all individuals..
- A phishing framework simplifies the simulation of real-world phishing attacks..
- Gophish is an open-source software that offers free accessibility, making it an affordable option for all users.
- Accessible Gophish, written in Go, provides easy installation with compiled binaries and no dependencies, simplifying the process to just "download and run"!
- https://github.com/gophish/gophish

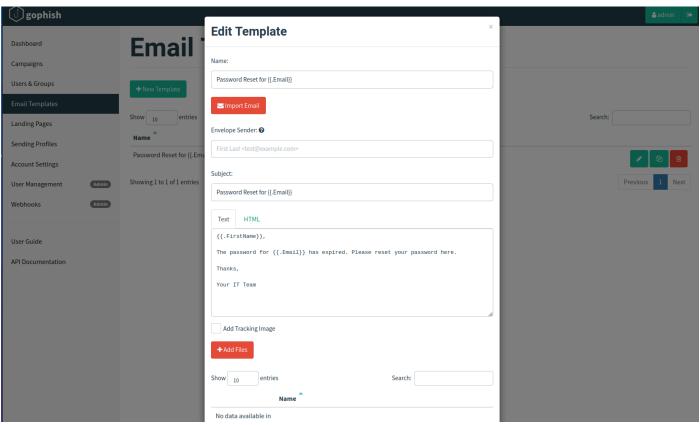


- Start gophish server in local.
- https://SERVER_IP:3333
- enter the default login credentials
- Default username: Admin
- Default password: random text

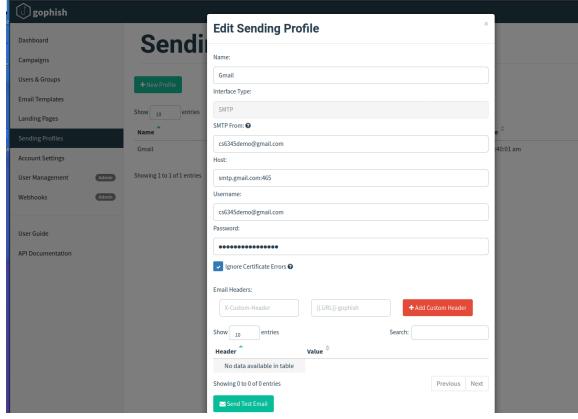




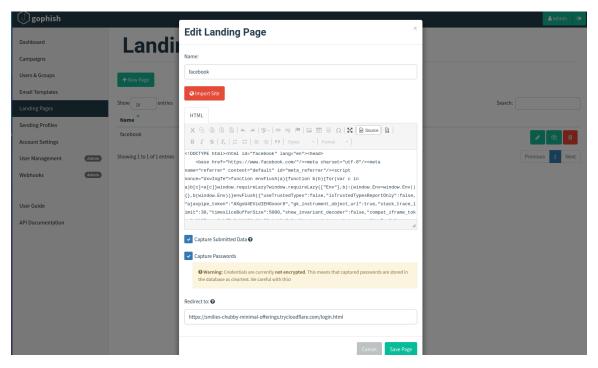
- Create Email template.
- Provide the template name.
- Provide subject.
- Provide template email body.



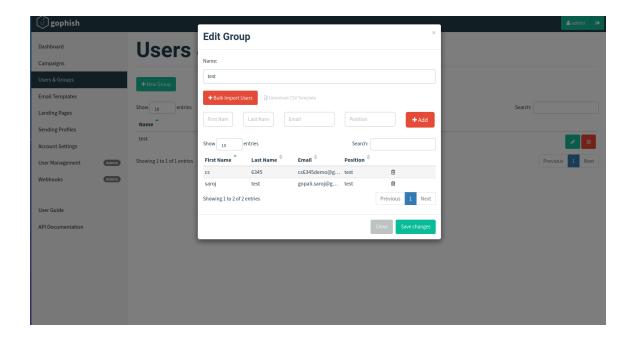
- Create Sending Profile.
- Provide the template name.
- Provide SMTP from .
- · Provide Host to send email.
- Provide your email as username.
- Provide password not login one, one from app password.



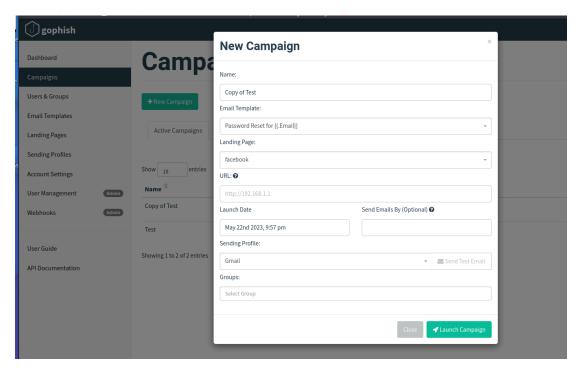
- Create Landing page.
- Provide the template name.
- Provide source of simulate page or real page where users will attempt to log in to change password in the example.



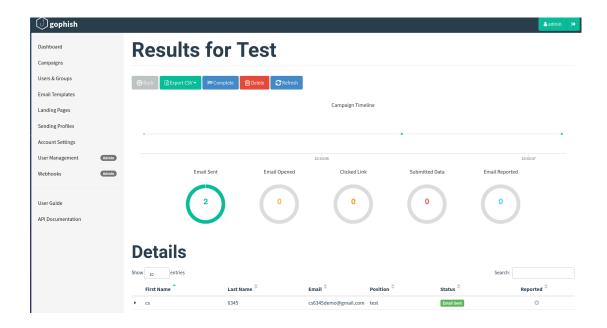
- · Create users and group.
- Add the emails where you want to send emails during campaign.



- · Create campaign.
- Provide the campaign name for monitor.
- Provide email template from email template section.
- Provide url where user is redirected once click.
- Provide sending profile.
- Provide groups to send the email.



· Monitor campaign.



Test email from campaign.

Password Reset for cs6345demo@gmail.com

cs6345demo@gmail.com

to me

cs ,

The password for cs6345demo@gmail.com has expired. Please reset your password here.

Click here!!

Thanks,

Your IT Team