

Phishing Simulations (Google,LUCY and GoPhish).

Aim: To spoof gmail using GoPhish Tool

Theory:

Phishing is a type of cybersecurity attack during which malicious actors send messages pretending to be a trusted person or entity. Phishing messages manipulate a user, causing them to perform actions like installing a malicious file, clicking a malicious link, or divulging sensitive information such as access credentials.

Phishing is the most common type of social engineering, which is a general term describing attempts to manipulate or trick computer users. Social engineering is an increasingly common threat vector used in almost all security incidents. Social engineering attacks, like phishing, are often combined with other threats, such as malware, code injection, and network attacks.

How Phishing Works

The basic element of a phishing attack is a message sent by email, social media, or other electronic communication means.

A phisher may use public resources, especially social networks, to collect background information about the personal and work experience of their victim. These sources are used to gather information such as the potential victim's name, job title, and email address, as well as interests and activities. The phisher can then use this information to create a reliable fake message.

Typically, the emails the victim receives appear to come from a known contact or organization. Attacks are carried out through malicious attachments or links to malicious websites. Attackers often set up fake websites, which appear to be owned by a trusted entity like the victim's bank, workplace, or university. Via these websites, attackers attempt to collect private information like usernames and passwords or payment information.

Common Phishing Techniques

1. Email Phishing
2. Social Engineering
3. Typosquatting
4. Email Spoofing
5. URL Shortening
6. Malicious Redirects
7. Hidden Links

Procedure:

1. Go to below link,
<https://getgophish.com/>
2. click download
3. select .exe file according to your machine configuration.
4. Once download finishes, extract the file and run gophish file.
5. Click on Run button.

6. In command prompt window you will get a link, user name and password. Use these credentials to login for gophish website

Note: For new user password gets create, but you can change it later.

github.com/gophish/gophish/releases

mcab and 29vivek

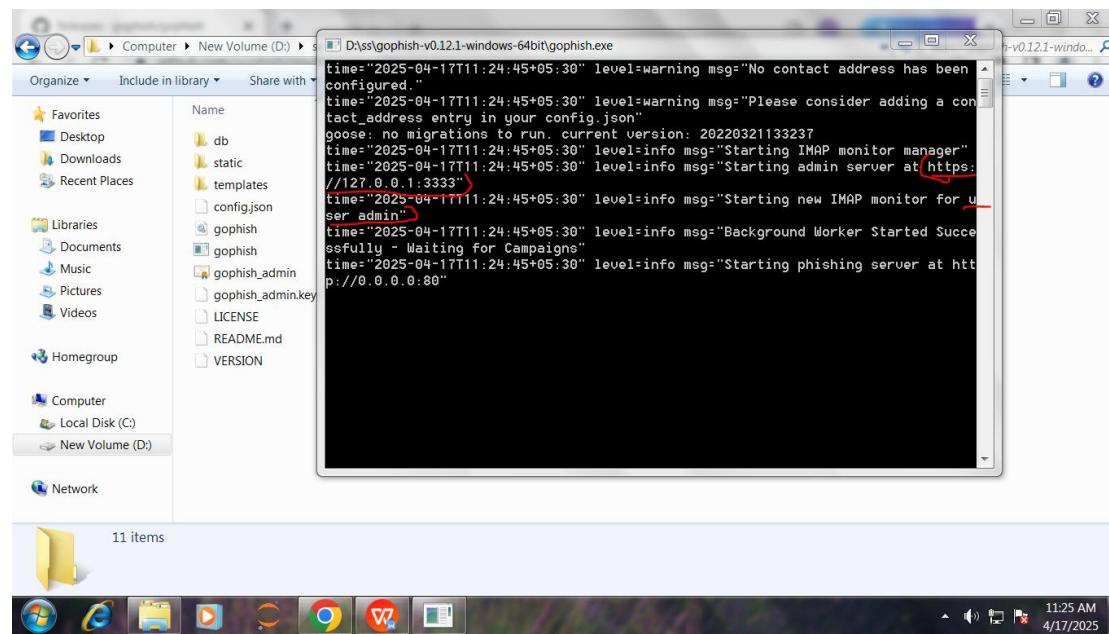
Assets 6

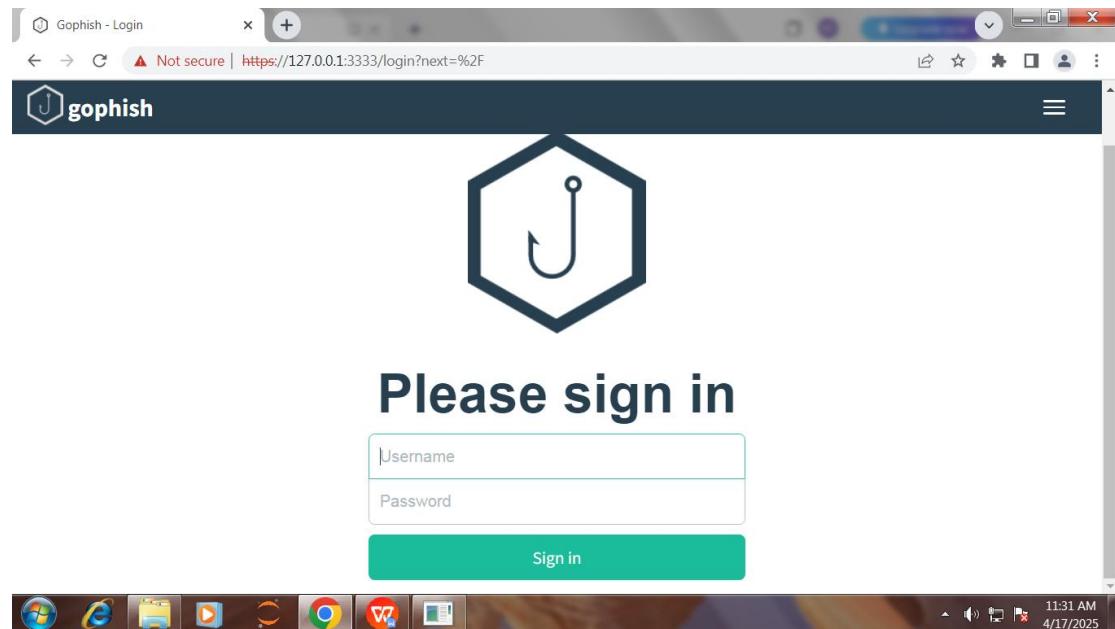
gophish-v0.12.1-linux-32bit.zip	31.4 MB	Sep 14, 2022	
gophish-v0.12.1-linux-64bit.zip	31.8 MB	Sep 14, 2022	
gophish-v0.12.1-osx-64bit.zip	33.2 MB	Sep 14, 2022	
gophish-v0.12.1-windows-64bit.zip	32.1 MB	Sep 14, 2022	
Source code (zip)		Sep 14, 2022	
Source code (tar.gz)		Sep 14, 2022	

66 6 11 21 14 26 109 people reacted

Gophish v0.12.0

Gophish just got better.





Step 1:

1. After login,
2. click on sending profiles on left panel
3. Enter the following details

Name: gmailphish

SMTP from: your email id need ex:abc@gmail.com

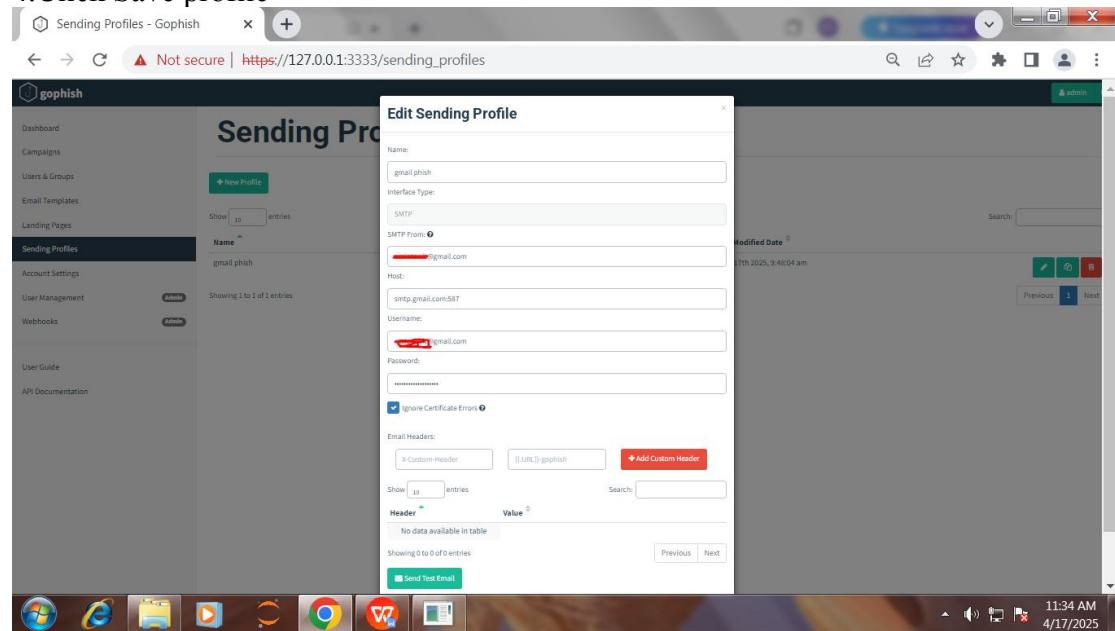
Host: smtp.gmail.com:587(remember this is the standard port number for gmail)

Username: gmail id ex:abc@gmail.com

Password: app password(you need to create app password, it gets create when you enable 2-step verification)

Here you can send Test Email(Optional)

4.Click Save profile



Step 2:

- 1.Click on Landing page.
2. Fill the fields

Name: you can give any name

Here you can clone any website or you can write html tags for the pages.After filling the fields.

- 3.Click on Save

Landing Pages - Gophish

Edit Landing Page

Name: google

HTML

```
<html><head></head><body>From ICICI Bank<br/>Name: Iciva<br/>Account:ICICI bank of india<br/>Your bank account is not linked to your mobile number. Please link your mobile number or another way to link your bank account<br/>Send 1000rs to 8788877332 in google pay</body></html>
```

Capture Submitted Data

Capture Passwords

Warning: Credentials are currently **not encrypted**. This means that captured passwords are stored in the database as cleartext. Be careful with this!

Redirect to: http://example.com

Cancel Save Page

Step 3:

1. Click Email Template
2. Fill the details.
3. Click Save.

Email Templates - Gophish

Edit Template

Name: temp1

Import Email

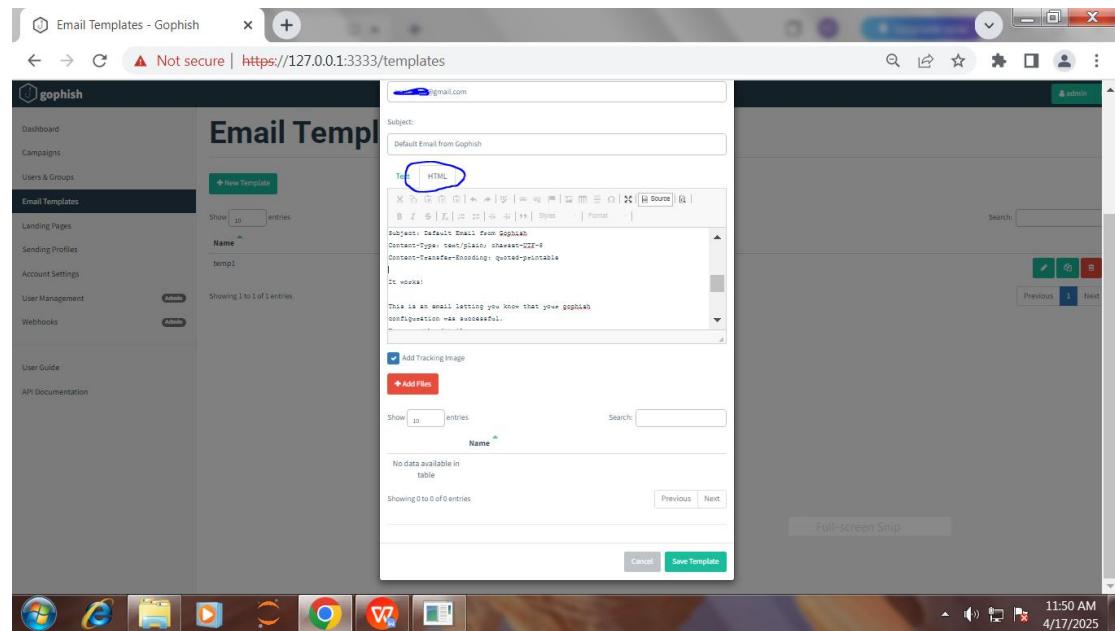
Envelope Sender: ecsiotewit@gmail.com

Subject: Default Email from Gophish

Text HTML

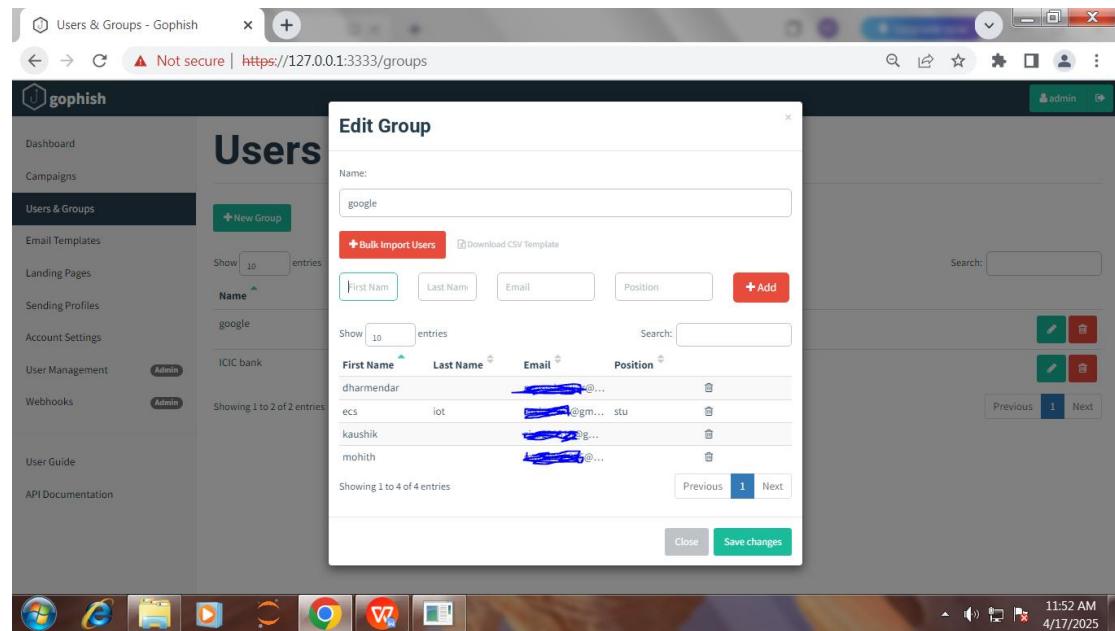
```
Here are the details:  
Who you sent from: ecsiotewit@gmail.com  
Who you sent to:  
First Name: ecs  
Last Name: iot  
Position: stu  
Now go send some phish!
```

Save



Step 4:

1. Click on Edit group.
2. Fill the fields.
3. To add email you have to fill First name, email id and click Add.
4. Click Save changes.



Step 5:

1. Click on Campaign
2. Whatever the name you have provided for sending page, landing page, emailing template and User Group need to be furnished here.
3. Click Launch Campaign.

The screenshot displays the Gophish web application interface. The main window shows the 'New Campaign' form with the following details:

- Name: gmail
- Email Template: temp1
- Landing Page: google
- URL: http://192.168.1.1
- Launch Date: April 17th 2025, 11:57 am
- Send Emails By (Optional): (empty)
- Sending Profile: gmail phish
- Groups: ICIC bank

The sidebar on the left provides navigation links for the application's features. The bottom window shows a similar configuration but with a different URL: http://192.168.1.1.

You can observe the results

The screenshot shows the Gophish application interface. On the left, a sidebar lists various options: Dashboard, Campaigns, Users & Groups, Email Templates, Landing Pages, Sending Profiles, Account Settings, User Management (with 'Admin' role), Webhooks (with 'Admin' role), User Guide, and API Documentation. The main area is titled 'Results for new'. It features a 'Campaign Timeline' with five circular metrics: 'Email Sent' (2), 'Email Opened' (0), 'Clicked Link' (0), 'Submitted Data' (0), and 'Email Reported' (0). Below this is a 'Details' section. At the bottom, there's a taskbar with icons for Windows, Internet Explorer, File Explorer, Task View, Start, Google Chrome, Microsoft Edge, and File Explorer, along with system status indicators like battery level and signal strength.

This screenshot shows the Gophish application interface again. The sidebar is identical to the first one. The main area is titled 'Details'. It displays a table of recipient information with the following data:

First Name	Last Name	Email	Position	Status	Reported
CS		[REDACTED]		Email Sent	
dharmaendar		[REDACTED]@gmail.com		Email Sent	
ecs	iot	[REDACTED]@gmail.com	stu	Email Sent	
GV		[REDACTED]@ewit.edu.in		Email Sent	
kaushik		[REDACTED]@gmail.com		Email Sent	
mohith		[REDACTED]@gmail.com		Email Sent	

At the bottom, it says 'Showing 1 to 6 of 6 entries'. The taskbar at the bottom is identical to the one in the first screenshot.

Note:

1. All the snapshots are provided step by step for your reference and for learning purpose only.
2. Kindly create a new gmail id and app password for this purpose.