

Identify Social Media Accounts Linked to Any Phone Number



Practical OSINT

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Explore the Digital Footprints of any International Phone Number.

```
"Moriarty-Project"
#> add PhoneNumber '+[REDACTED]'

[+] Phone Number Added To System Successfully:[REDACTED]

[*]SocialMedia - Facebook |Feature is on progress. Please wait.
[*]SocialMedia - Instagram |Feature is on progress. Please wait.
[*]SocialMedia - Twitter |Feature is on progress. Please wait.
[*]SocialMedia - Google |Feature is on progress. Please wait.
[*]SocialMedia - Microsoft | Feature is on progress. Please wait.

Note: For a proper usage of this feature, you have to restart [REDACTED] your ip address time to time.

[+]Facebook Report: Connected
[+]Instagram Report: Connected
[+]Twitter Report: Not Connected
[+]Google Report: Connected
[+]Microsoft Report: Connected

[+]Link Found: https://www.facebook.com/[REDACTED]47/posts/
[+]Link Found: https://www.facebook.com/[REDACTED]s/D9Y85D8KB9KD8XACxD8XA8-XD9X83D9X88D8XB1XD9X8A-XD9X84KD8
KD8KB4KD8XA7KD9X87KD8KAF-KD8XA8KD8XAB-KD8XACXKD9X8AKD8XB3KD9X88-XD9X88KD9X84KD9X8AXD8XB3KD8XA7-XD8XA3KD8XABKD9X86KD8XA7KD8
KD9X8AXD8XA7KD8XB1KD8XAAD9X87-XD9X81KD9X8A-KD8KB3KD9X8AXD9X88KD9X84-XD8XA7KD9X84KD8XAAD9X8A-XD8XA0KD8XAFKD8XABKD8XAA-XD
KD8XA7-XD8XA3KD8XB7/105702342240697/ [-]Link Not Found For This Number

[-]GetComments Algorithm 1] No comment found for this number
[-]GetComments Algorithm 2] No comment found for this number
```

Image source: Screenshot by the author, created using the Moriarty-Project, shows the digital investigation of any phone number.

In this article, you will learn about an OSINT tool called Moriarty-Project, designed to uncover the digital footprints associated with international phone numbers.

We will set up this tool using the Kali Linux command-line interface, while its output and key features will be accessible through a user-friendly, web-based interface.

If you're new to Kali Linux, check out my article [How to Use Kali Linux for OSINT Investigations](#) to set up your environment.

Key Features of the Tool

- Verifies if a phone number is connected to Twitter, Instagram, Facebook, Microsoft, and Google accounts.
- Find Facebook profile links associated with the Phone number.

- Check the phone number's spam history.
- Collects comments related to the phone number.
- Gathers public links associated with the phone number.
- Identifies the owner's name.

Let's get started

1. Tool Installation

- Navigate to <https://github.com/AzizKpln/Moriarty-Project>
- Scroll down to the installation section.
- Open the Kali Linux terminal.
- Copy-paste the commands one by one into the Kali terminal, and press Enter after each command (as shown in Figure 2).

The screenshot shows a dual-pane interface. On the left is a GitHub browser window displaying the 'Installation' section of the Moriarty-Project repository. It contains four command snippets:

- `sudo apt install git -y`
- `git clone https://github.com/AzizKpln/Moriarty-Project`
- `cd Moriarty-Project/ && bash install.sh`
- `bash run.sh`

On the right is a terminal window titled 'kali@kali ~'. The user has copied and pasted these commands sequentially. The terminal output shows:

```

(kali㉿kali)-[~]
$ sudo apt install git -y
(kali㉿kali)-[~]
$ git clone https://github.com/AzizKpln/Moriarty-Project
(kali㉿kali)-[~]
$ cd Moriarty-Project
(kali㉿kali)-[~/Moriarty-Project]
$ bash install.sh
[+] Installation is finished. You can run 'run.sh' file now.
(kali㉿kali)-[~/Moriarty-Project]
$
```

Yellow arrows point from the GitHub command snippets to their corresponding entries in the terminal, indicating the sequence of copying and pasting.

Figure 2: Execution of commands in sequence – Author's screenshot during installation of Moriarty-Project

- Copy-paste the bash run.sh command and hit enter (Figure 3).

This screenshot shows the same dual-pane interface. The GitHub pane remains the same as in Figure 2. The terminal window on the right now shows the result of running the `bash run.sh` command:

```

(kali㉿kali)-[~/Moriarty-Project]
$ bash run.sh

```

A yellow arrow points from the `bash run.sh` command in the GitHub pane to its execution in the terminal.

Figure 3. bash run.sh command

- After the above step, a local host link [HTTP://10.0.2.15:8080](http://10.0.2.15:8080) will be generated (Figure 4).
- Open Firefox within Kali Linux, paste the generated link into the address bar, and press Enter.

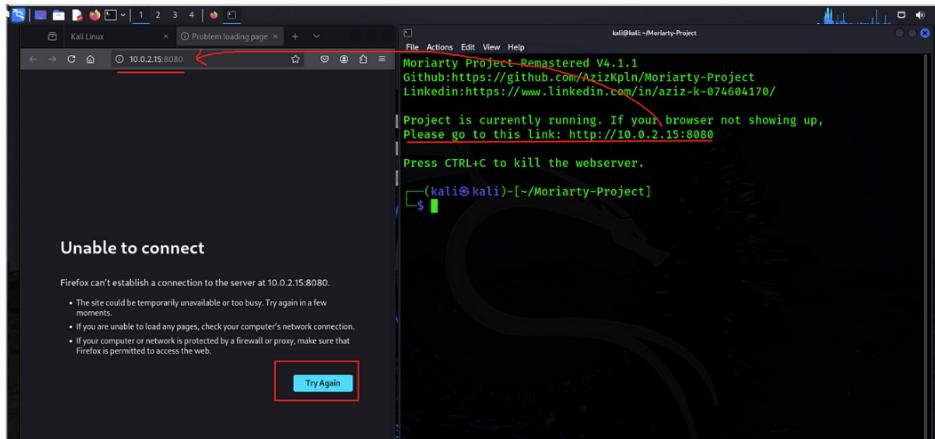


Figure 4: Local host link

- Click on “Try Again,” and the tool interface will appear as shown below.

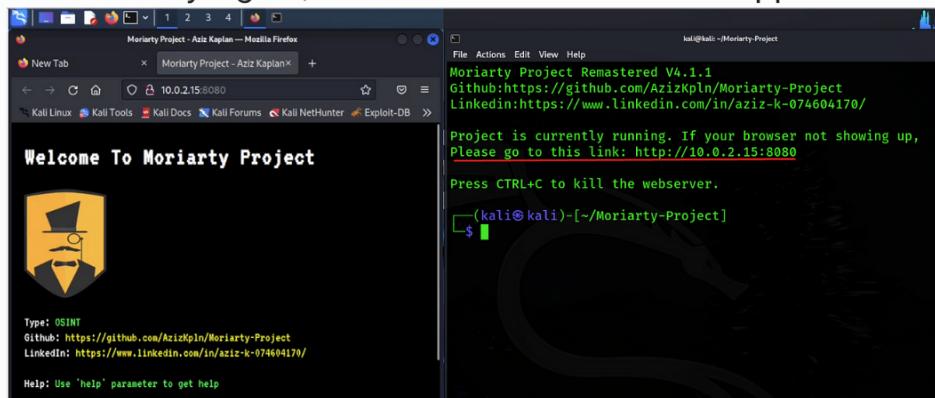


Figure 5: Moriarty Project web interface

2. Tool Usage

- Follow the **on-screen instructions** and enter your target phone number to begin the digital investigation, as shown below.

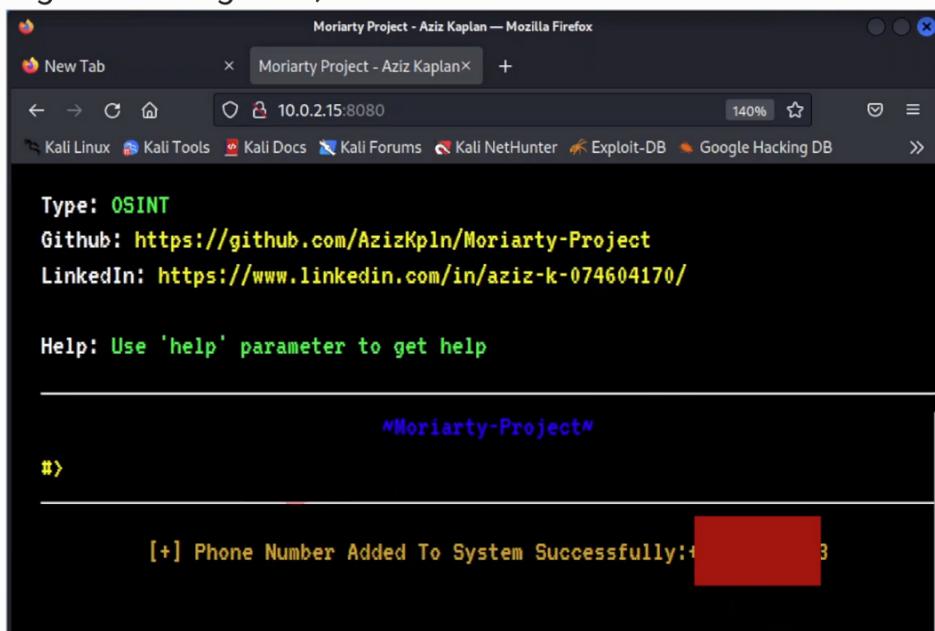


Figure 6: Moriarty Project web-based interface

Gmail account information

The tool requires Gmail login credentials for its owner information module.

Create a new **fake Gmail account for this purpose** and avoid using your personal account. The tool’s developer has explained why these credentials are needed.

[?] Why Is Moriarty Asking For Your Gmail Account?
 • It's required only in the FindOwner algorithm.
 • Moriarty scrapes owner information from Truecaller and SYNC.me, in order to get the owner information, a Gmail account is being required.
 • You can generate a fresh account. You don't have to use your real Gmail account.
 [?] I'm receiving errors. What should I do?

Figure 7: Tool owner's explanation of Gmail account information
 That's all for now, have fun!

Problems and Solutions

I'm updating this article because of an issue with the tool.

1. Problems

a. Problem overview

- On 21 November 2024, a Medium user, Roronoa, pointed out that the tool appears to be no longer maintained by its owner.



Figure 8: Tool is no longer functional

- I verified this by reinstalling and testing the tool and *found his claim correct*.
- The installation process completes without errors, but the generated local link (<HTTP://10.0.2.15:8080>) fails to work during usage.

b. Technically, what does it mean?

- The project is non-functional in its current form, likely because of outdated dependencies or changes to APIs by social media platforms.
- The tool's creator has discontinued maintenance and updates, meaning there will be no bug fixes or further improvements.

c. What's Next? – Keep the Article or Remove It?

- Initially, I considered **deleting the article** since the tool is no longer functional. However, I ultimately decided to keep it.

Why?

- Because in Open-Source Intelligence (OSINT) investigations, tools may come and go, and **you may face similar issues** during your investigation.
- However, the **true value of OSINT** lies in the methodology, troubleshooting approaches, and exploring alternative solutions.

2. Solution – Alternative Free Tools

To achieve the key features previously offered by the Moriarty Project, you can use the following free OSINT tools:

a. Phone Number to Facebook Profiles

To find Facebook profile links connected to a phone number, use the free telegram bot **Only Good Contacts Bot**, as shown below.

Phone Numbers to Facebook Profile, Owner Name

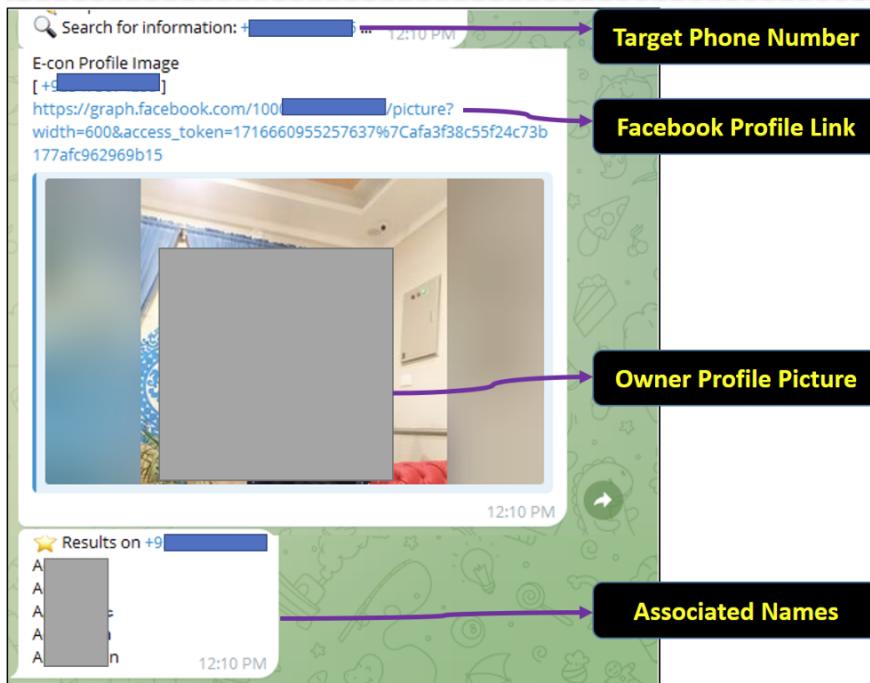


Figure 9: Phone Number to Facebook Profiles

b. Phone Number to Telegram Accounts

Enter the target phone number into your browser address bar, hit enter, and “Open Chat” to check whether it is connected to a Telegram account, as demonstrated below.

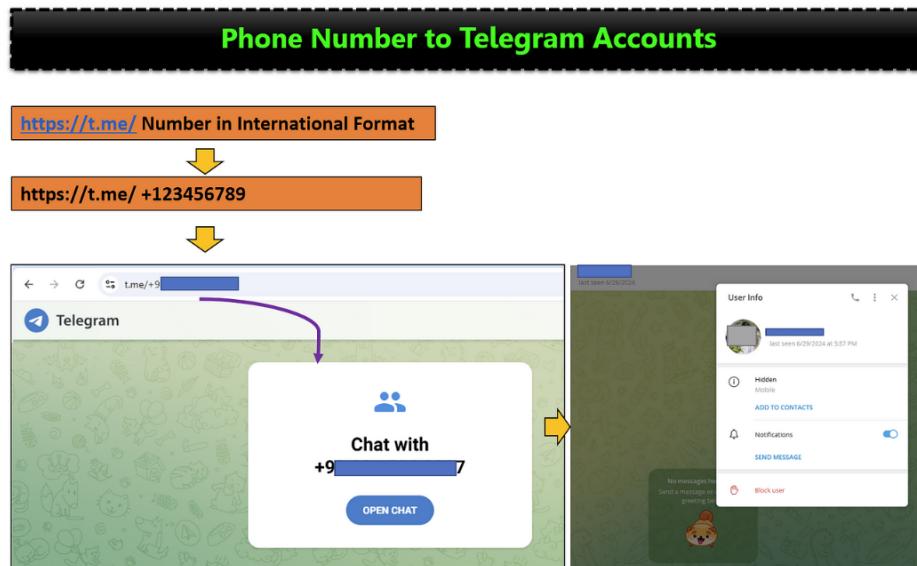


Figure 10: Phone Number to Telegram Accounts

c. Phone Number to Skype Accounts

Use the free version of Epios to gather Skype account information connected to a phone number, as shown below.

Phone Number to Skype Profiles

The screenshot shows a web-based tool for finding Skype accounts linked to a phone number. At the top, there are tabs for 'Email' and 'Phone' (which is selected). Below the tabs, a message says 'Use 1 credit'. A search bar contains the phone number '+33'. To the right of the search bar are a close button ('x') and a magnifying glass icon. Below the search bar is a link 'Search options'. On the left, there's a large blue 'S' icon. In the center, a message says 'This tool allows you to find a skype account linked to a phone number.' To the right is a small thumbnail image of a laptop screen showing a Skype interface. Below this section, there's a table with the following data:

Query	+33 [REDACTED]
Photo	https://avatar.skype.com/v1/avatars/[REDACTED]207352f/public
Accounts	
Photo	https://avatar.skype.com/v1/avatars/live:[REDACTED]52f/public
Name	[REDACTED]
Id	live:cic[REDACTED]f
Country	France
Country Code	fr
City	Paris

Figure 11: Phone Number to Skype Accounts

d. Phone Number to Instagram Connection

To check whether a phone number is connected to an Instagram account, use the ignorant web-based tool, offered by osint.rocks.

The screenshot shows a web-based tool for checking Instagram connections. At the top, it says 'Phone Number to Instagram Connection' and has the 'osint.rocks' logo. Below the logo, there are input fields for 'Username' (with a red box around it), 'Email Address', 'Telephone Number' (with a red box around it), and 'IP Address'. A yellow arrow points from the 'Telephone Number' field to a red box containing the word 'IGNORANT'. The main results area shows 'Results for 6 [REDACTED]' and lists the following information:

Platform	Handle/Link
Twitter	@palenath
Github	https://github.com/megadose/ignorant
For BTC Donations	1FHDM49QfZX6pJmhjLE5tb2K6CaTLNzpxZ
Instagram	[REDACTED]
Twitter	+33 6 [REDACTED]
Instagram	[+ instagram.com]

At the bottom, there's some footer text about phone numbers and a rate limit notice.

Figure 12: Phone Number to Instagram connection

e. Phone Number Spam/Fraud Check

Use the CallFilter app to identify whether a phone number is potentially involved in spam or fraudulent activities, as demonstrated below.

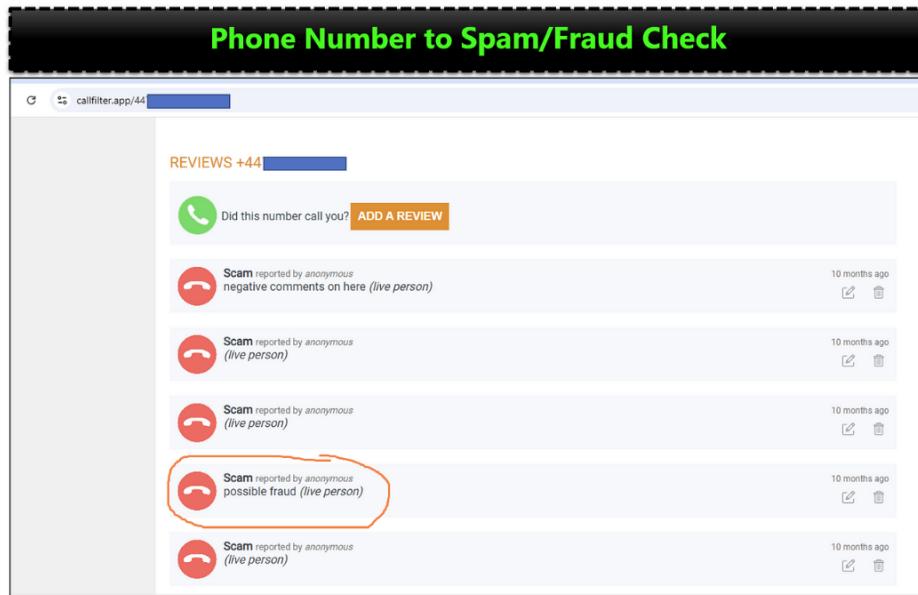


Figure 13: Phone Numbers Spam/Fraud check

I hope this revised article turns out to be helpful to you. Enjoy!

Explore my other articles on international phone number investigations: *8 FREE Tools for Phone Number Investigation* and *4 Best Telegram Bots for Phone Number Investigation*.