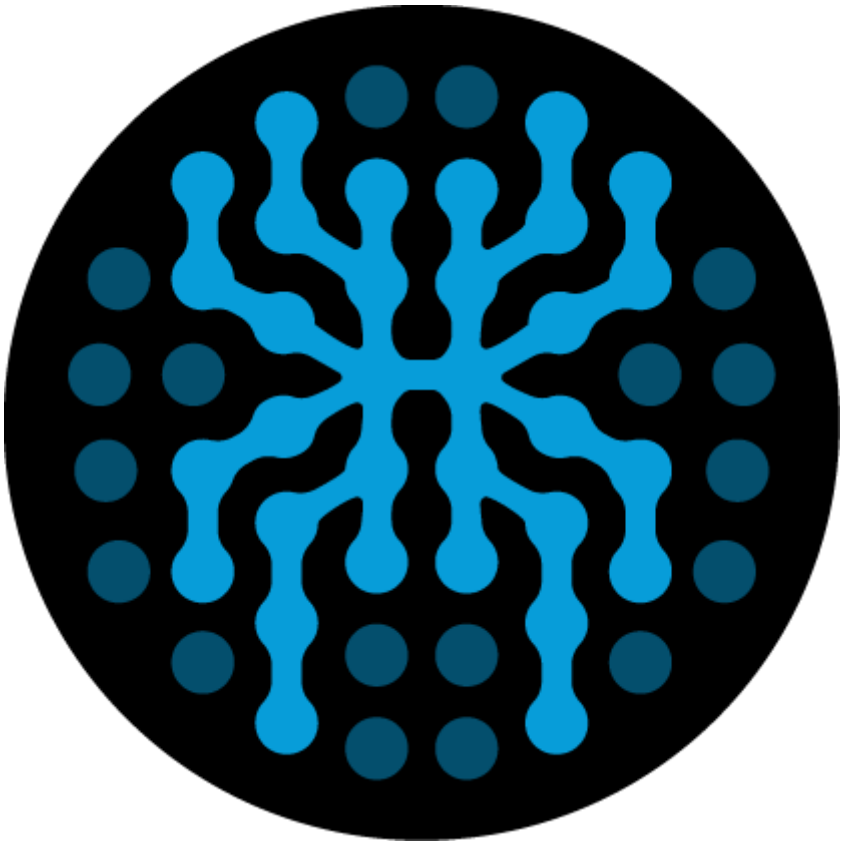
SPIDERFOOT



SPIDERFOOT

SpiderFoot is an open source intelligence (OSNIT) tool which automates the process of gathering information about the target system. This tool uses for reconnaissance and gathering information about target system in the field of cybersecurity, threat intelligence and investigations. SpiderFoot can gather information from a wide range of sources, including WHOIS databases, DNS records, social media platforms, public databases, and more.

FEATURES OF SPIDERFOOT

1. **Active and Passive Scanning**: This tool allows both the Active and Passive scanning. In active scanning it interacts with target system directly, while passive scanning does not interact with target system and provide all the information available on the internet. This flexibility allows user to take correct decision during information gathering.

2. **Customizable Module**: This tool allows user to obtain data according to their requirement by customizing the 'by module' given in new scan area.

3. **Analysis and Visualization**: This tool provides feature to analysing and visualizing the collected data about the target. It helps user to identify the pattern and potential security risk of target.

4. **Report Generation:** This tool is capable to generate the report summarizing the collected information. This report can be share for findings purpose and to keep in record.

5. **Wide Range of Data Source**: This tool gathers information from wide range of source i.e., WHOIS database, DNS record, social media platform, public database and many more.

6. **Command Line – Graphical User Interface:** This tool provides both command line and graphical user interface which is easy to use and even individual with no advance technical skills can drive web interface tool very smoothly.

7. **API Support:** SpiderFoot may provide support for APIs, allowing users to integrate it with other security tools and systems.

GUIDE TO INSTALL SPIDERFOOT ON KALI LINUX

1. **Open a Terminal**:

    - You can open the terminal in Kali Linux by clicking in terminal icon or open using the keyboard shortcut **Ctrl + Alt + T.**

2. **Update Kali Linux**:

    - To make sure your Kali Linux is up-to-date run the following command:

      Sudo apt update

3. **Install SpiderFoot:**

    - Type the following command and hit enter:

      sudo apt install spiderfoot

4. **Change Directory to SpiderFoot:**

    - After installation you need to change the directory by following command:

      cd spiderfoot

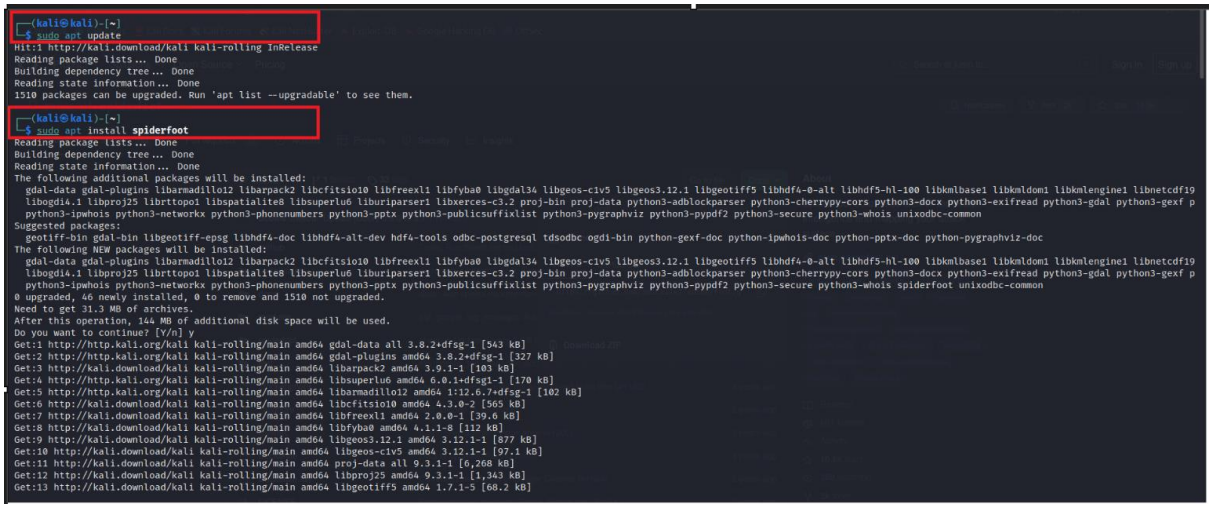
5. **Run SpiderFoot:**

    - After installation completed you can run SpiderFoot using below command:

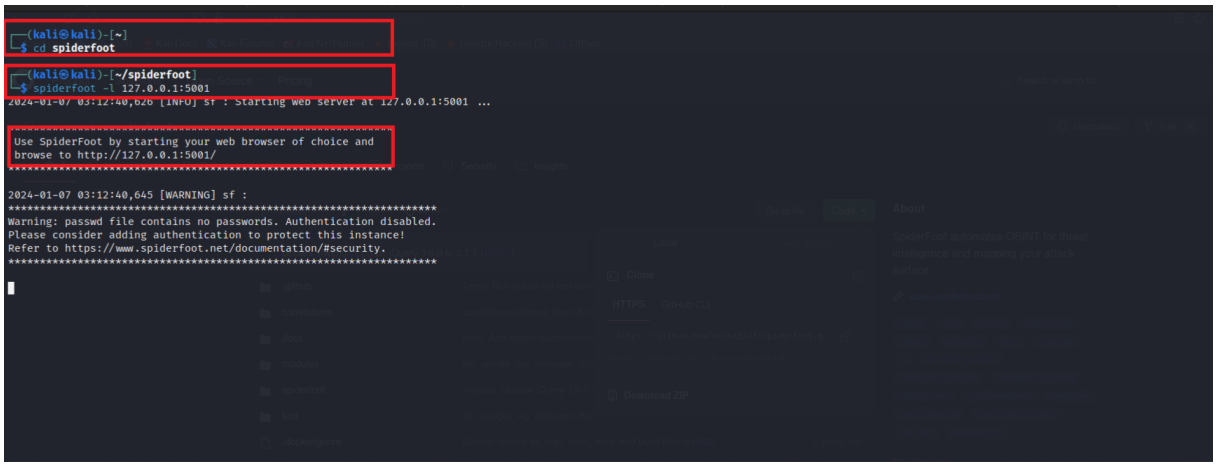
      Sudo spiderfoot –l 127.0.0.1:5001

6. **Access SpiderFoot Web-Interface:**

    - After executing the above command, you will get response with url then right click on that link and click to open link or open web browser and copy the url from terminal and paste in browser then hit enter.



SPIDERFOOT INSTALLATION STEP: 1, 2 & 3 SCREENSHOT



SPIDERFOOT INSTALLATION STEP: 4 & 5 SCREENSHOT

SPIDERFOOT WEB-INTERFACE STEP: 6

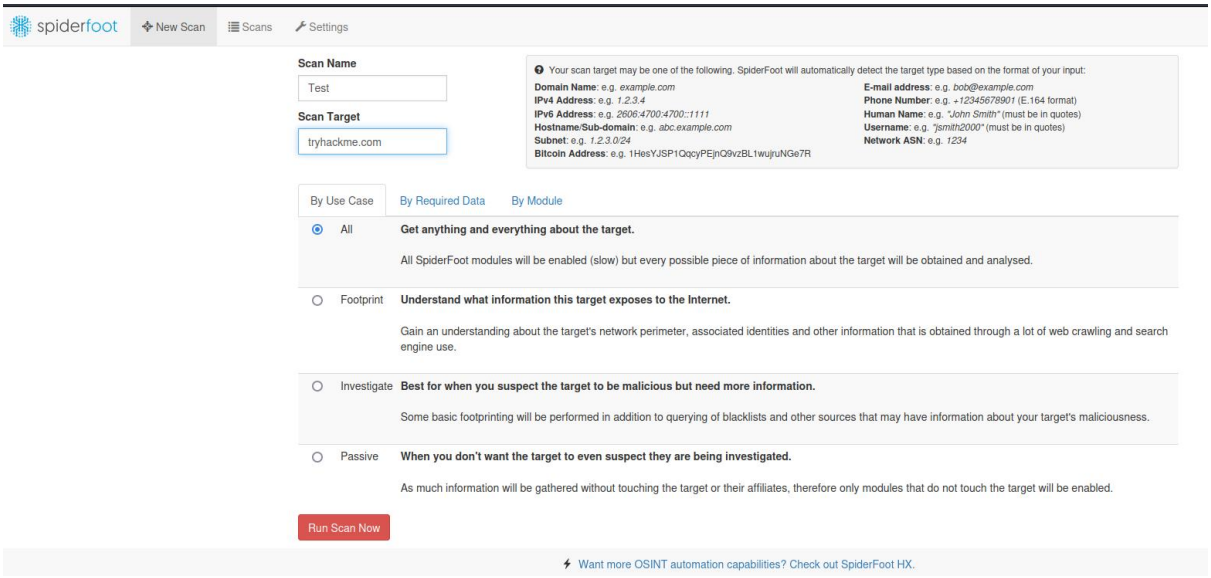
ADVANTAGES OF SPIDERFOOT TOOL

1. **Regular Updates:** This tool is actively maintained and updated by the community. Which helps other users to get updated information about risk and other parameters during information gathering process.

2. **Cross-Platform Compatibility**: SpiderFoot is designed to be cross platform tool so that users can run this tool on various operating system such as Linux, Windows OS & Mac OS.

HOW TO SCAN USING INTERFACE

Once the user access to the web-interface of SpiderFoot, then simply user needs to enter the **scan name** and **scan target** details. After entering the details, you'll see there are four different scan categories to gather information about target. Choose according to your requirement and then click on RUN SCAN NOW.



NEW SCAN ON SPIDERFOOT WEB-INTERFACE

REFERENCES

https://linux-packages.com/kali-linux/package/spiderfoot

https://www.youtube.com/

https://chat.openai.com/