

Bash Scripting For Reconnaissance Automation Project

The primary goal of this project is to demonstrate the practical application of bash scripting for automating reconnaissance tasks. The project centers around a bash script called "reconsweep.sh," which is designed to streamline the reconnaissance process by gathering information about specific targets using various websites.

The initial version of "reconsweep.sh" incorporated the following functionalities:

1. *User Input:* The script prompts the user to provide a first name and last name. Targeted Search: Utilizing the provided names, the script performs searches on the "https://www.411.com/name/firstname-lastname?/" URL, seeking relevant information associated with the input names.
2. *Validation:* The script ensures the proper functioning of the search process and verifies the results.

Having established a functional foundation, the subsequent phases of the project involved enhancements and expansions to the script's capabilities. Key developments include:

1. *Additional Information:* Building upon the initial design, the script was modified to accommodate the inclusion of location information, allowing for more specific and comprehensive reconnaissance.
2. *Multi-Website Support:* The script was further refined to perform reconnaissance on multiple targets using diverse websites, thereby expanding the scope and depth of the information gathered.
3. *Improved Automation:* Efforts were made to optimize the automation process, minimizing user input requirements and maximizing efficiency.

Throughout the development stages, rigorous testing was conducted to ensure the reliability, accuracy, and security of the bash script. The end result is a versatile and powerful tool capable of automating reconnaissance on various targets with minimal manual intervention.

The project's significance lies in its practical applicability, as it provides security professionals, researchers, and enthusiasts with a valuable resource for gathering essential information during penetration testing, vulnerability assessments, or other security-related activities. By harnessing the power of bash scripting, the project exemplifies the potential for automation to streamline and enhance complex tasks, ultimately contributing to a more efficient and effective reconnaissance process.

In conclusion, this project showcases the prowess of bash scripting in automating reconnaissance, emphasizing the importance of automation in modern cybersecurity practices. It serves as a learning resource and a foundation for further developments in the field of automated security assessments.

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Step 1:

```
reconsweep.sh
~/Desktop/scripts

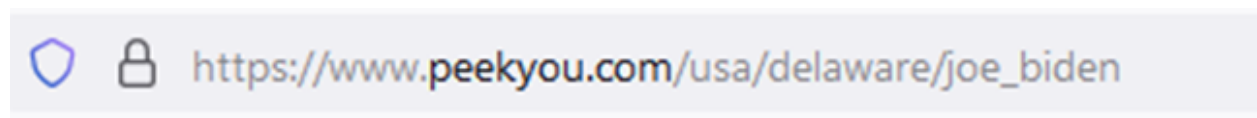
1 #!/bin/bash
2
3 echo "Enter the first name and press enter: "
4 read first_name
5
6 echo "Enter the last name and press enter: "
7 read last_name
8
9 echo "Enter the State and press enter"
10 read location
11
12 echo "searching for" $first_name $last_name $location
13
14 firefox "https://www.411.com/name/ $first_name-$last_name/$location?/"&
15 sleep 1
16 firefox -new-tab "https://www.peakyou.com/usa/$location/$first_name_"$last_name"&
17 sleep 1
18 firefox -new-tab "https://www.ontheissues.org/Profile_$first_name_"$last_name.htm"&
19 sleep 1
20 firefox -new-tab "https://search.wikileaks.org/?query=$location&exact_phrase=$first_name+$last_name"&
21 sleep 1
22 firefox -new-tab "https://www.azquotes.com/search_results.html?query=$first_name+$last_name"&
```

Step 2.1:

peakyou

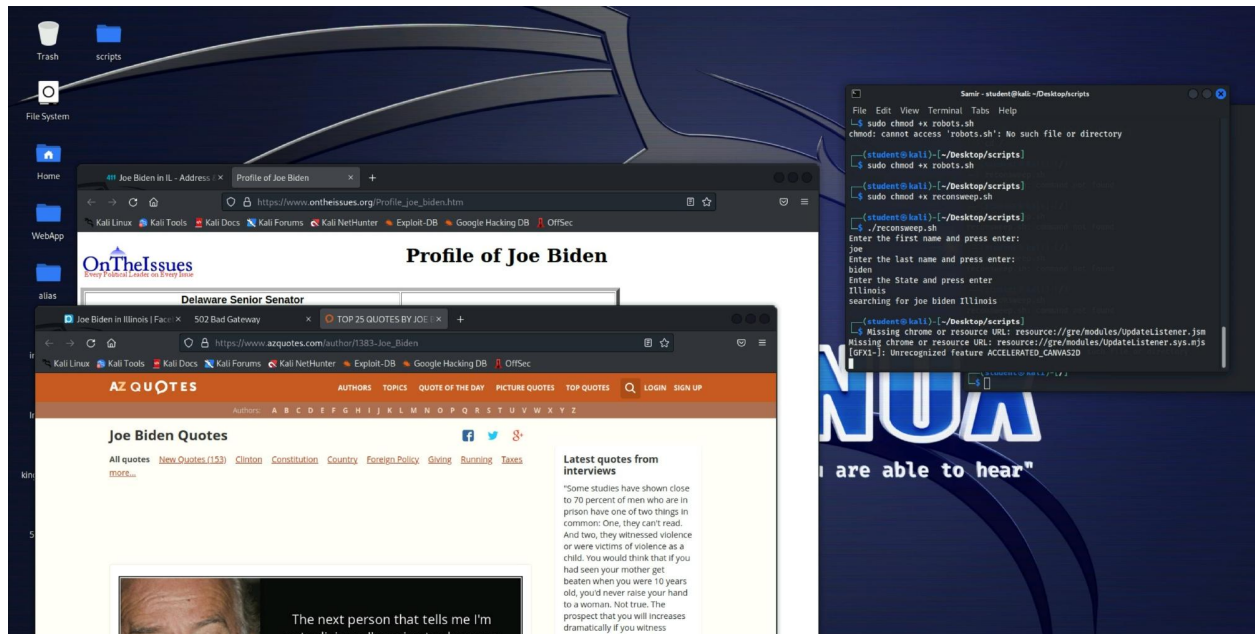
Name	Username
Joe	Biden
Delaware	

Step 2.2:



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Step 3:



Results:

