

Detecting Phishing Links &



Identifying Black Hats

VENGER

Team Zeta

Problem Statement

This world of highly interconnected people has exposed an increasing risk in terms of phishing attacks on the people as well as on the organization. Cyber attackers have also become very intelligent in composing their malevolent messages and tricks which incite the users to click on links of malware and reveal all their private details

The most of the solutions try to see which threats should be blocked or detected, whereas it forgets who these attackers are. That's why this creates a threat to its users and shows them vulnerability, and without any hint about what may be done against such an attack.

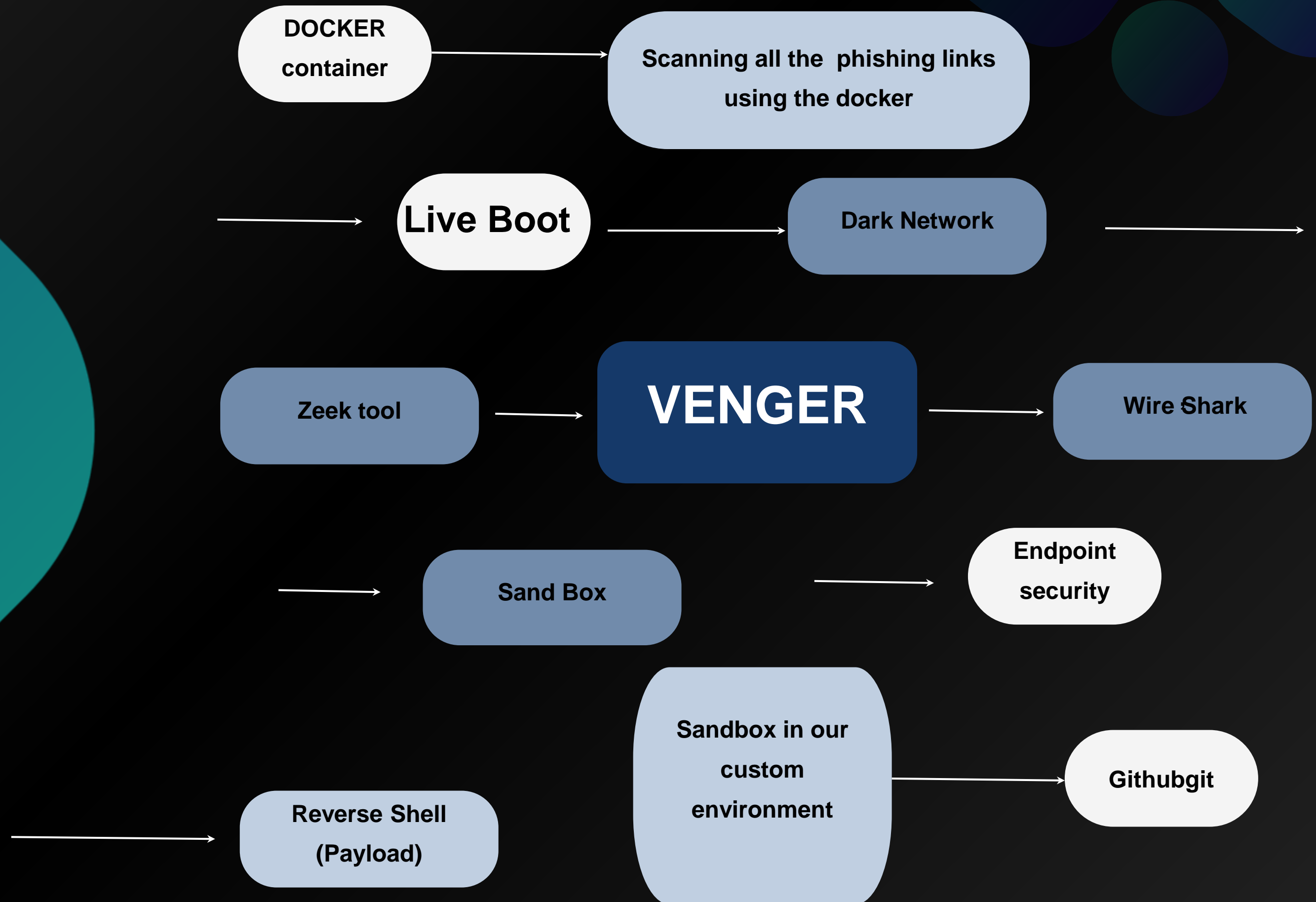


Proposed Solution

Solution :

- Our solution uses an isolated sandbox with VMs and monitoring tools like Wireshark and Zeek for phishing detection. Integrating threat intelligence sources (VirusTotal, AbuseIPDB) and visualizing data in ELK enables safe, automated analysis of malicious links and patterns.
- After the detection , we will Gather all the information about the Sender using the process called ReverseShell. And from the customer,end by themself they can send all the gathered information will be filed as a report to the Cyber Department So that they easily verify all scammers and Black hat hackers Protecting The Children In The Digital Space From Various Threats Such As Cyberbullying , Viruses ,Sexting, invasive Advertising, phishing Attacks.

Tech Stack



Dependencies

Libpcap / tcpdump

Essential for capturing network packets.

Glib and GTK

Required for Wireshark's graphical interface on some Linux systems.

SSL Libraries (e.g., OpenSSL)

Necessary for HTTPS decryption.

Lua (Optional)

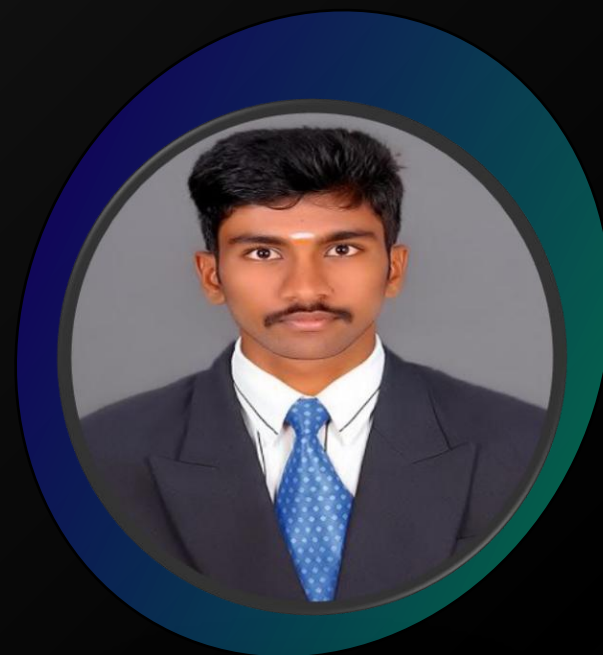
Enables custom scripting within Wireshark.



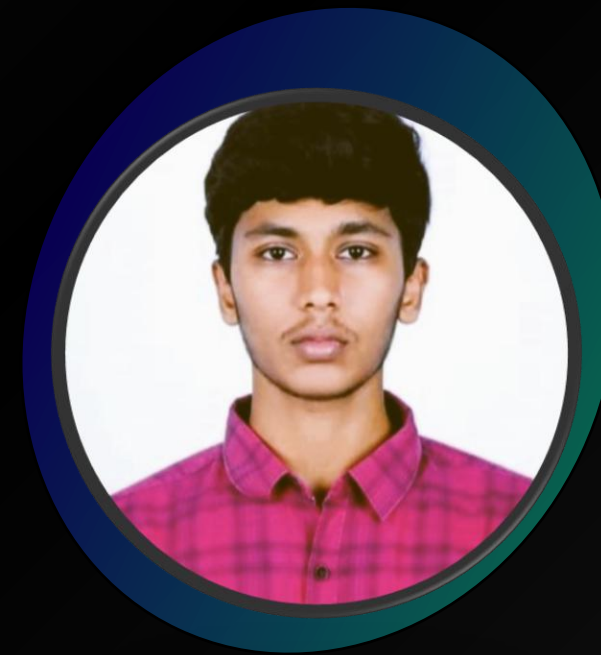
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