Date: 16th August 2022
Proposer Contact Information Name: Stokely R. De Freitas Company: Robust Security LLC Job Title: Lead Pentester Email: stokelydefreitas@gmail.com
Proposed Title of Deliverable: Raspberry pi 4 network Honeypot

1. Scope of the proposed deliverable:

The purpose of this document is to provide project deliverables; resulting in a final project presented at bootCon. A Cisco network router will be configured with multiple vlans, representing two distinct networks simulating a real-world environment. One of the vlans will be configured as a DMZ, and on this network the honeypot will be placed. The second vlan will host additional devices simulating a true network configuration. DShield Honeypot will be used to monitor and log transactions as they occur. See below at Project Requirements for further details.

2. Justification for the proposal:

This project will utilize a Raspberry pi 4, configured as a honeypot. The honeypot will be used to observe and log the activities of hackers (Stokely), as they attempt to penetrate network security. Honeypots provides increased visibility and allows IT security teams to defend against attacks that the firewall fails to prevent.

3. Project Requirements

1. Raspberry pi 4
2. Raspberry pi 4 Image Loader
3. 128Gb SD Card
4. DShield Honeypot
5. API Key
6. Cisco Router
7. OS:-
    a. Linux
    b. Windows
    c. Apple
    d. Kali Linux