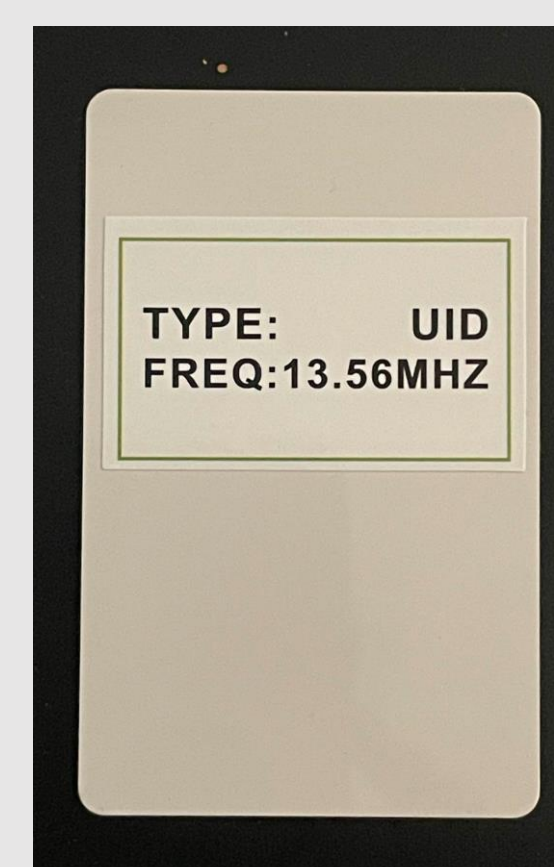
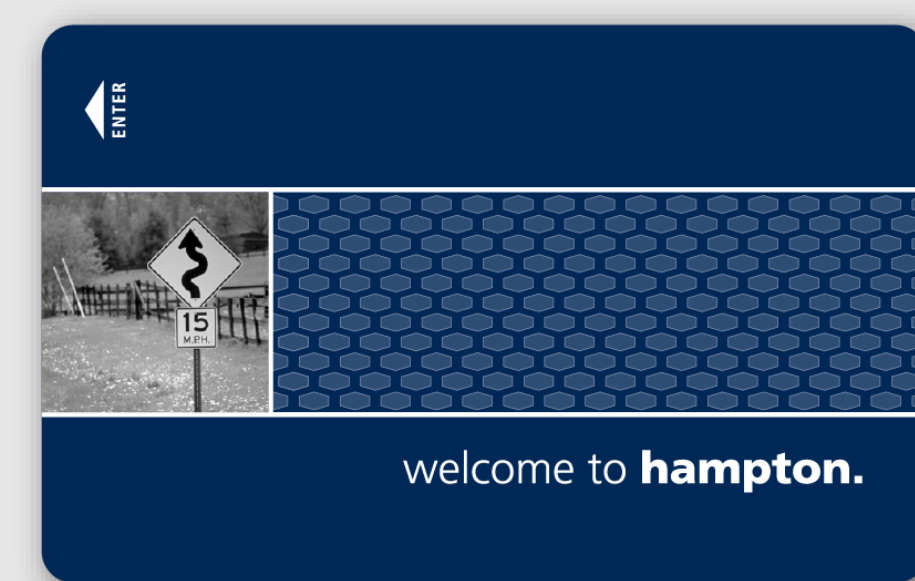


RFID Attack Detection

Team members: Chris Malatesta, Calvin Hurlbert, Jaspreet Singh, Keith Tran | **Faculty adviser:** Milos Manic | **Sponsor:** Idaho National Laboratory | **Mentor:** Bjorn Vaagensmith

Motivation

RFID attacks have become not only easy to carry out but are also almost impossible to detect without special equipment.



Tools

Using Raspberry pi's to run servers, we can host a testbed to run attacks through.



We can streamline attacks with a Flipper Zero running through a Proxmox

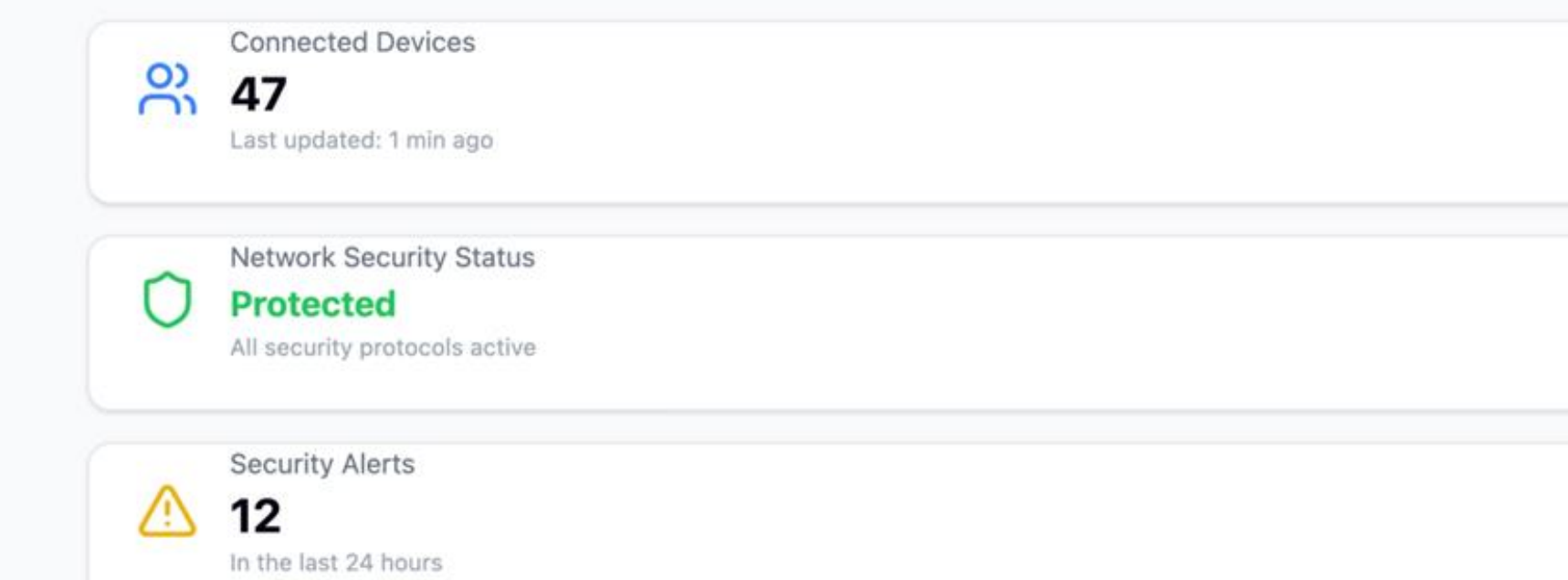


Solution

Network Security Dashboard

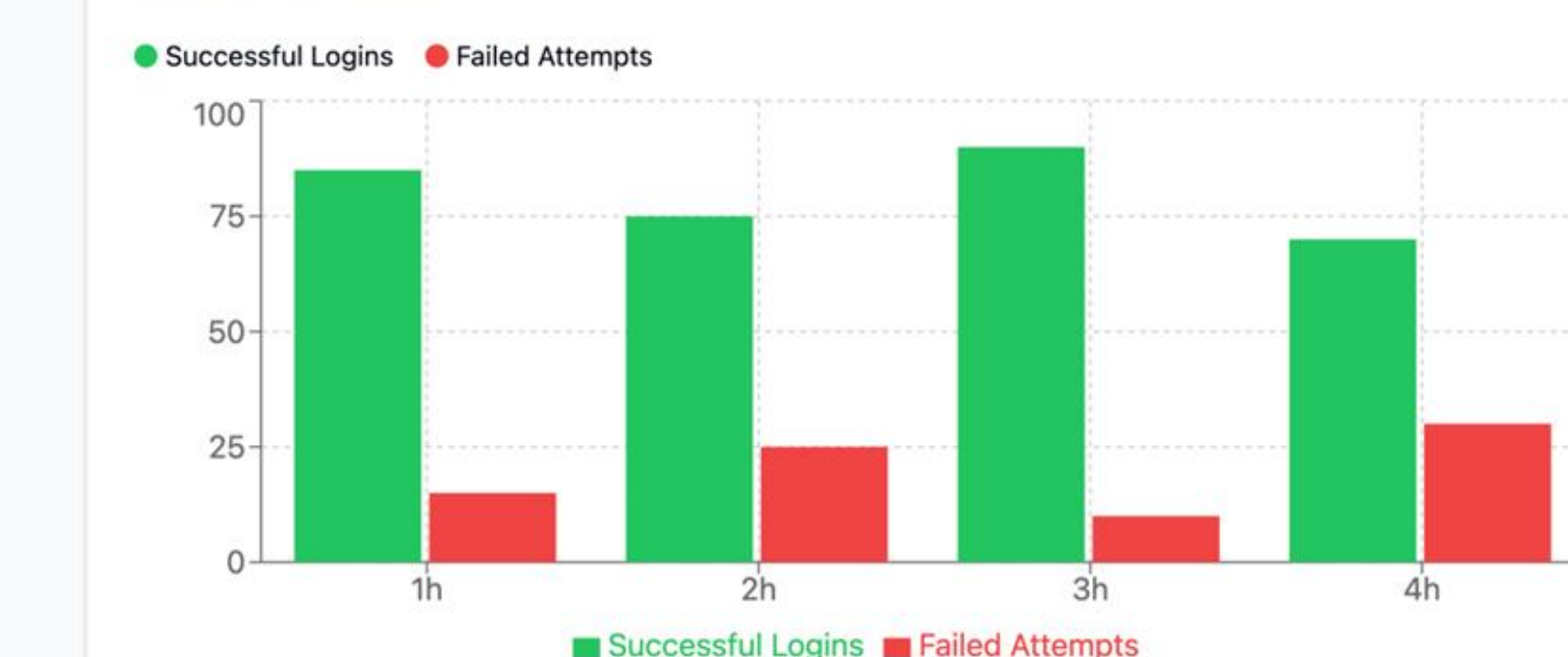
Real-time network monitoring powered by Zeek

Network Status Overview



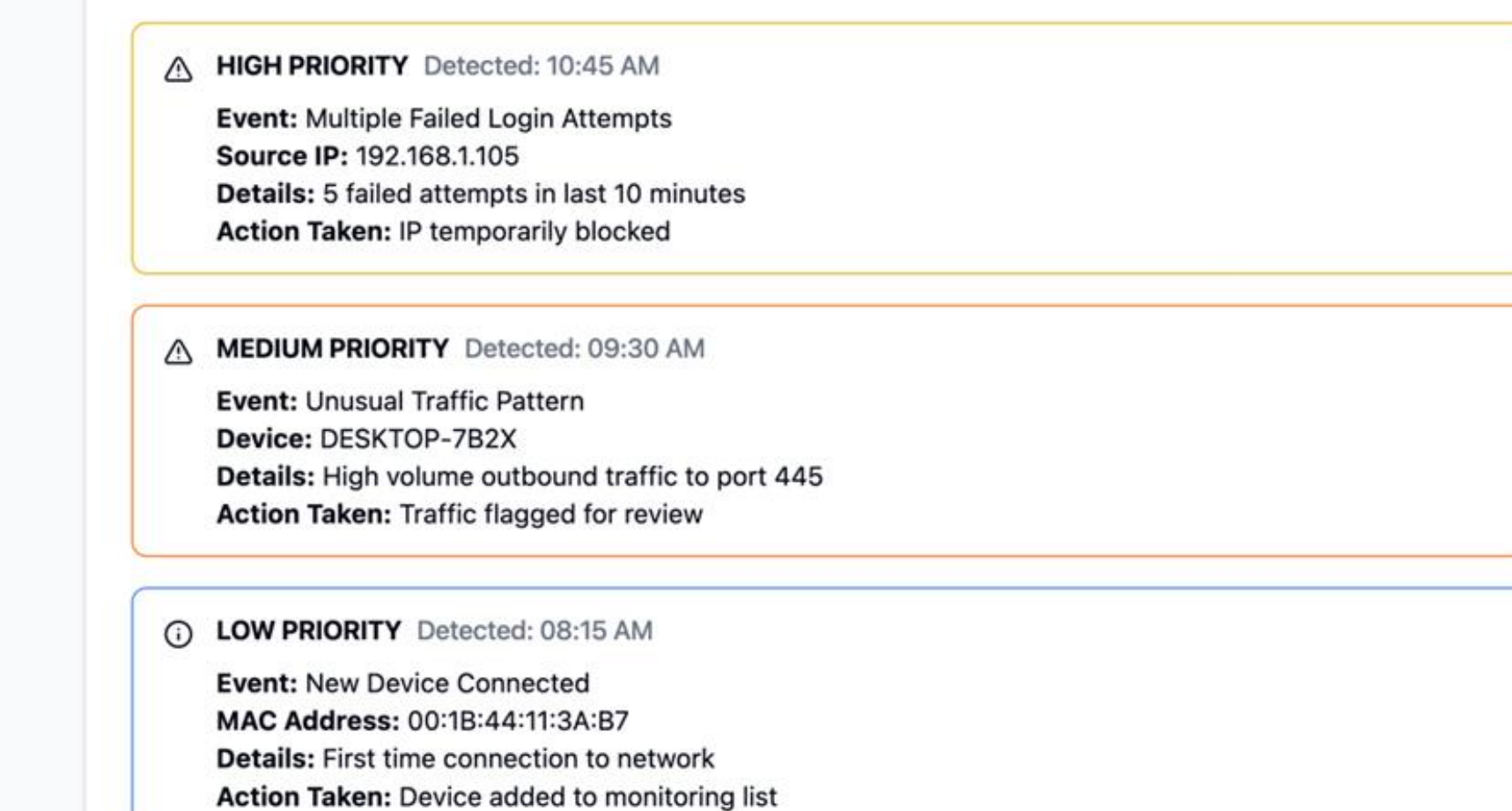
Authentication Analysis

Login attempts monitoring



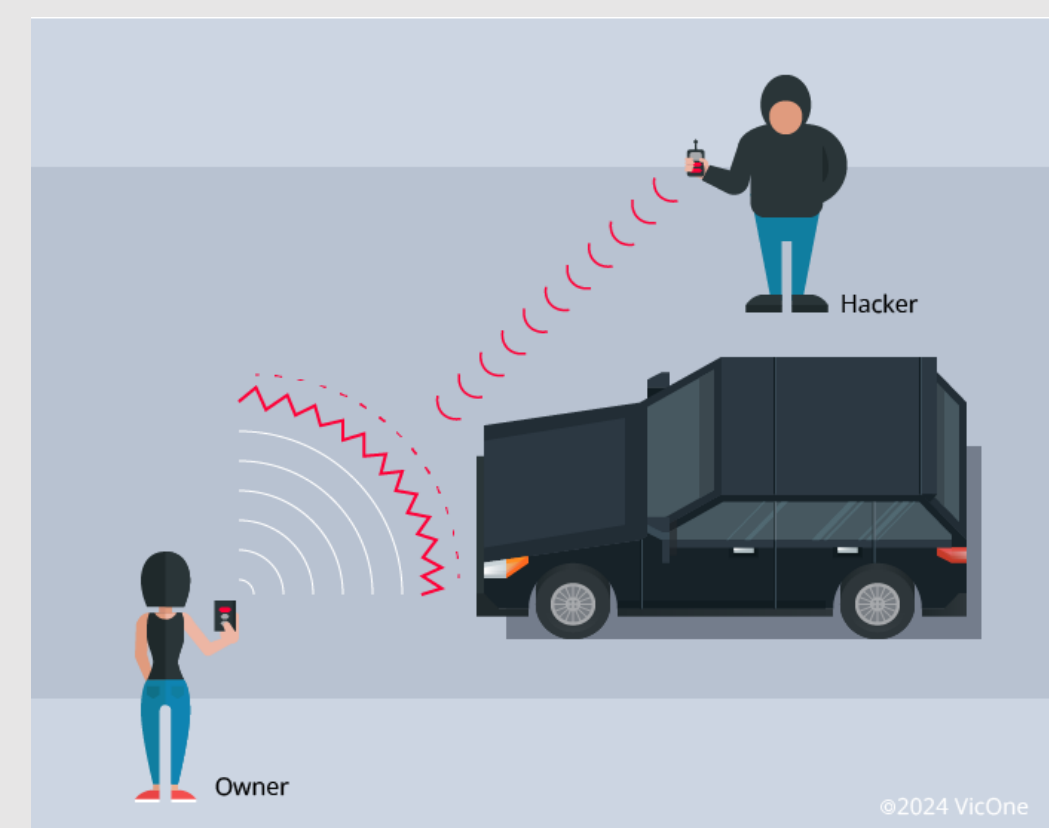
Security Alert Log

Real-time security notifications and warnings



Attacks

There are many types of attacks out there and we will be focusing on two, denial of service and brute force.



Citations

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