

Team Name: sdmay24-39

Team Members: Cole Burkle, Tiffanie Fix, Trace Haage, Alec Cose

Report Period: Oct 9 - Oct 22

Summary of Progress in this Period

- Developed a detailed wiring diagram of the physical CAN bus network
 - Met with Carney's junkyard to discuss what could be obtained and how many pieces could be from the same car
 - Received components to be used for the simulator testbed.
 - Began basic setup for the simulator testbed, including allowing ssh access and basic CAN programs.
 - Created CAN channel 0 on Raspberry pi.
 - Researched potential attack vectors to introduce to testbeds.
 - Researched possible uses for the ECUsim 2000.
 - Discussed testing requirements necessary for the design document section.
 - Got access to the senior design lab and reserved locker space to store testbed hardware.
-

Pending Issues

- Logistics of ordering the car parts
 - Deciding on IDS tool snort/OSSEC/CANalyzat0r
 - CAN MITM device & CAN monitor device
 - Raspberry Pi is not compatible with monitors in the senior design lab, so another space needs to be used when working with that testbed.
 - Need more resources for setting up a proper environment in the simulator testbed.
-

Plans for Upcoming Reporting Period

- Beginning stages of IDS development
- Order car parts
- Finish setting up the initial environment with the ECUsim 2000 and Raspberry Pi.
- Begin introducing attacks to the environment when it is complete.
- Make plans for detecting each attack that gets used on our testbed.