Team Name: sdmay23-17
Team Members:
- Rian Lamarque
- David Wolfe
- Joseph Hunter
- Elijah Hanson
- Thomas Ruminski

Report Period: 3/10 - 3/24

Summary of Progress
- **IoT Infrastructure**
  - Testing of downlink payload from the network server to ensure it functions properly
- **AWS Architecture**
  - Added some permission scoping, began implementing OpenSearch
- **Mobile App Development**
  - Fixed some minor bugs to make the user experience better. Gained access to a MacBook to be able to build iOS for iPhones.

Pending Issues
- **IoT Infrastructure**
  - No outstanding issues
- **AWS Architecture**
  - Permissions issue with OpenSearch
- **Mobile App Development**
  - No outstanding issues

Plans for upcoming report period
- **IoT Infrastructure**
  - Develop downlink sensor reporting period message template
  - Order more supplies to increase the scale of the IoT network
- **AWS Architecture**
  - Implement simple Elastisearch anomaly detection
- **Mobile App Development**
  - Squash bugs and clean up UI

Contributions by person
- Tom Ruminski
  - Team Role: IoT Infrastructure
  - Contributions: Performed testing on downlink generation script to ensure

the generated payloads function correctly
- Hours: 5
- David Wolfe
  - Team Role: IoT/Mobile App Development.
  - Contributions: Updated and graphed threat scenarios on a threat matrix for easy visualization and organization during testing phase. Also got engaged.
  - Hours: 5
- Rian Lamarque
  - Team Role: AWS Infrastructure
  - Contributions: Begin permission scoping, explore OpenSearch for anomaly detection
  - Hours: 6
- Elijah Hanson
  - Team Role: AWS Infrastructure
  - Contributions: Helped create the list of potential attacks for security testing
  - Hours: 4
- Joe Hunter
  - Team Role: Mobile App Development
  - Contributions: Gained access to a MacBook to be able to build iOS files. As well as fixed some minor bugs in the mobile app.
  - Hours: 5