

## Zero Trust Research Project (ARMZTA) Meeting Minutes

11-15-2023

### Participants

- Dr. Waleed Farag (PI)
- Dr. Soundararajan Ezekiel
- Dr. Xin-Wen Wu
- Jared Giesen
- Drew Rado
- Micah Sherry
- Justin Benedict
- Nicholas Reid

Meeting started at 4:00 pm

### Progress Report

- Jared
  - Added additional graphics to summary report for Dr. Wu
  - Cleaned up the tutorial/documentation folder
  - Worked with Drew in the lab in getting data collection running
- Drew
  - Was able to troubleshoot the data collection scheme and begin collecting some data
  - Began data visualization
  - Documented the zeek-kafka implementation
- Micah
  - Finished troubleshooting the MatLab license issue
  - Sat in with Drew and Jared for the Zeek-Kafka implementation
  - Worked on a Matlab implementation of DCNN on the static dataset.
- Justin
  - Got a model of DCNN running on python for the static dataset.
- Nicholas
  - Completed all tasks for HR except for fingerprinting.

### Discussion Points

- Two posters will be needed for the next scholar's forum
- Be sure to update Dr. Ezekiel on progress ahead of meetings
- Consider adding a router tap to capture and feed the network data from the rest of the lab machines etc. more efficiently to the server machine.

### Tasks

- Team
  - Be ready to report on individual ARMZTA work for the one-year report when called upon
  - Implement a static data set model

- Work towards a detection algorithm for live feed data
- Jared
  - Ensure the ssh table is re-shared with the team for remote connections.
  - Be ready to assist Dr. Wu in ARMZTA one year report.
- Drew
  - Prepare all current students for handover, especially Micah for the Zeek-Kafka server.
  - Ensure the ssh table is re-shared with the team for remote connections.
- Micah
  - Finish running the DCNN algorithm in MatLab
- Justin
  - Work on improving the python DNN algorithm.
- Nicholas
  - Work with HR to finish hiring process
  - Work alongside Justin and Micah

Adjournment at 5:00 pm

Next meeting will be held on Wednesday, Nov. 22nd at 12:00 pm