Minutes ARMZTA Meeting

27 June 2024

Meeting started at 6:02 PM

Participants:

- Dr. Waleed Farag
- Dr. Soundararajan Ezekiel
- Ainsley Weidensall
- Alexander Miller
- Mohamed Abdel Hamid

Talking Points:

- Last week's minutes approved
- CML successfully working for Mohamed, current model has accuracy of around 93% on live network data
- Injection of malicious traffic into network for training purposes was interrupted today by the power outage
- Mohammed experimented with DCNN, however it's likely not a good fit for this application due to the need for fast, accurate prediction
- Discussion on specifics of maintaining CML architecture/ not allowing sharing of data between the various models at different endpoints
- Zeek and Kafka are working as intended

Tasks:

- Mohamed
    - Review CML code with Dr. Ezekiel
    - Work on separation of clients/datasets
    - Continue preprocessing work
- Alex
    - Continue work with Mohammed to finalize preprocessing script
- Ainsley
    - Work with Rebecca to find published work outlining scoring algorithms, including Drew

- Create a basic scoring script
- Look at traffic for normal vs certain attacks, use those features to elevate scoring

Meeting adjourned 6:54 PM

Next Meeting: 5 July 2024, 6:00 PM