

CAE Research Project Meeting Minutes

12-15-2022

- **Participants**
 - Dr. Farag (PI)
 - Dr. S. Ezekiel
 - Dr. Wu
 - Drew Rado
 - Emily Himes
 - Maria Balega
 - Zach Keyser
- Meeting started at 2:00 pm
- Unanimously approved minutes for meeting on December 9, 2022

Main Points:

- **Progress report**
 - Drew has been able to collect more data after he and Sky lowered the buffer time as mentioned last meeting; however, not as much malicious data has been collected as hoped
 - Drew believes this is due to the botnet being too sophisticated to be detected, and is currently looking for a new one via Build Your Own Botnet and Malware Zoo, two GitHub repositories
 - Sky helped with malware research in addition to helping lower the buffer time
 - Zach also researched new malware
 - Maria has preprocessed some benign data and is waiting for more malicious data. Has also gotten more information from Alecia regarding the paper she's working on.
- **Discussion points**
 - Dr. Wu has received Zaryn's paper; however, some work needs to be done to its formatting before it can be submitted
 - Maria will help with this, and Dr. Wu will be emailing Maria with detailed instructions
 - Drew believes that the best course of action will be to create our own botnet
 - The testbed has been moved to Drew's house
 - Drew opened multiple ports on the host computer, which allows much more data to be collected
 - Photos of testbed should be added to documentation
 - Will move meeting times to 3:00 pm instead of 2:00 pm
- **Tasks:**
 - Drew, Sky, Zach: Research and select a method of malware injection that produces more malicious data than the one currently in place
 - Maria: continue the work with Zaryn's paper and preprocess/process data as it is received from Drew.
 - Emily: continue working on documentation

Adjournment at 6:30

Next meeting will be held on Thursday, December 22nd at 3:00 pm