CAE Research Project Meeting Minutes
12-15-2022

• Participants
  o Dr. Farag (PI)
  o Dr. S. Ezekiel
  o Dr. Wu
  o Drew Rado
  o Emily Himes
  o Maria Balega
  o Zach Keyser

• Meeting started at 2:00 pm
• Unanimously approved minutes for meeting on December 9, 2022

Main Points:

• Progress report
  o 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
  o Sky helped with malware research in addition to helping lower the buffer time
  o Zach also researched new malware
  o 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
  o 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
  o Drew believes that the best course of action will be to create our own botnet
  o The testbed has been moved to Drew’s house
  o Drew opened multiple ports on the host computer, which allows much more data to be collected
  o Photos of testbed should be added to documentation
  o Will move meeting times to 3:00 pm instead of 2:00 pm

• Tasks:
  o Drew, Sky, Zach: Research and select a method of malware injection that produces more malicious data than the one currently in place
  o Maria: continue the work with Zaryn’s paper and preprocess/process data as it is received from Drew.
  o Emily: continue working on documentation

Adjournment at 6:30
Next meeting will be held on Thursday, December 22nd at 3:00 pm