Online Classes

Instructor: Khaled Diab

Office Hours

- Using Skype (check Piazza)

- Khaled:
  - Fridays (12pm – 1pm)
- Carmen:
  - Wednesdays (3:00pm – 4:00pm)

Grading – Old

- Final Project (Group of 2–3): 35%
- Assignments (Individual): 30% (3 x 10%)
- Research Reading (Individual): 12% $= 6 \times 2\%$
- Quizzes: 18% (3 x 6%)
- Participation: 5%

Grading – Current

- Final Project (Group of 2–3): 35%

- Assignments (Individual): 30% (3 x 10%)

- Research Reading (Individual): 10%

- Quizzes: 12% (2 x 6%)

- Technical Blog Post (Group): 8%

- Participation: 5%

- Submission of a blog post is required.

- You need to pass the assignments and project.

Some Modifications

- No Quiz #3
- No research reading #6
- No project demo day
- Writing a blog post

Project – A New Requirement

- Instead of a demo, you should submit a video to record your final presentation and demo.

- The video should be narrated.

- The video length shouldn't exceed 4 minutes

- You need to upload the video to YouTube, and include the video URL in the final report

Project – Grading

- Note that the milestone presentation, final video, and report are required.
- Failure to submit them → failing the project.

- Implementation: 30%
  - Working code
  - Code organization
  - Documentation

- Reproducibility: 20%
  - We will not fix your code.
  - You need to submit any required env. to reproduce your implementation
  - We will not create this env. as well

- Novelty: 20%
  - Measures the complexity of the project idea
  - I.e., if you have a working implementation, but the idea is quite simple, you will lose grades.

- Milestone Presentation: 5%
- Final Video: 10%
- Final Report: 15%

Project – Deadline

- Project submission is extended to April 20th

Assignment 3

- Will be released next Monday. TCP/IP

- Extended the deadline to April 9th.

Writing a Blog Post – What to Write?

- Main theme: Dive into X

- The purpose of "Dive into X" is to push you to go deeper into a tool or a topic.

- X=Tool. Please use the opportunity to learn one of the tools and dive into it. You are free to choose any tool or toolkit if you can justify that it's related to cybersecurity. Example tools include Bro, Snort, SecurityOnion, TOR etc.

- X=Topic. Pick up a technique/attack/algorithm/concept and dive into it. You are free to choose any topic if you can justify that it's related to cybersecurity. Example topics include Hardware attacks, IoT security, etc.

Writing a Blog Post – Tips

- Choose a good title

- Construct the post as Intro → Motivation → Body → Conclusions and Learned Lessons

- Use related images to the topic

- Avoid using jargons

- Use examples and figures to illustrated complex ideas

- Examples: https://medium.com/sfu-cspmp

Writing a Blog Post – Requirements

- The length has to be 2000—2500 words
- The topic cannot be related to your project
- It's OK if +2 groups share the same topic
- It's due on April 3rd

Writing a Blog Post – Publishing

- We will use this Medium publication:
  - https://medium.com/systems-and-network-security

- Create an account and send me an email with your account name. I will add you as a writer. This needs to be done by next Monday

- Publishing: https://help.medium.com/hc/en-us/articles/213904978-Add-draft-or-post-to-publication

Writing a Blog Post – Grading

- Depth: 50%

- Recency: 50%