CS5321 Network Security Mini-Project

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2022/23 Sem 2

Types of Mini-Project

- Please select **one of the two** projects below.
  - Type 1: Arranged Project [18pt]
    - To be announced in **Week 7**
    - Individual project
  - Type 2: Open Topic [20pt]
    - To be announced today
    - Can form a team up to 3 students

- Deadline
  - Submission of all project report: **16 April 2023** (Sunday before Reading Week)
  - Demonstration (only Type 2): To be schedule in Exam Week (or earlier, anytime after the project is completed)

Type 2: Open Topic

- Read paper in network security area from top-tier conferences to find interesting cyber attack or defence mechanisms
    - IEEE Symposium on Security and Privacy
    - ACM CCS
    - USENIX Security
    - NDSS
    - NSDI
    - IEEE INFOCOM
    - Other papers discussed in CS 5321 module
    - Etc.
- Find paper and system to implement and the talk to me **by Week 7** to check if the selection is reasonable.
- Implement an attack/defence tool and show demonstration
- Write 5-10 page report describing the tool and usage. If the project is done in in a team, each member is supposed to submit and clarify the contribution.