CTF (Capture-The-Flag)

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Agenda

- Understanding CTF :)

Overview

- CTF Schedule: June 19 (Sat), 9am to 9am (24 hours)
- >= 12 problems
    - 8 from students
    - >= 4 from us

Making a problem

- One team needs to prepare one challenge
    - No challenge, cannot participate CTF
    - Deadline: June 8th (Wed)
- Restrictions
    - Run on Linux with Docker
    - Need to be remote challenge
    - Require a way to retrieve flag
    - Key format: ee595{[^]+}
    - No need to be pwnable (but recommend)

Grading

- Defense (100): # of solved teams
  - No one solves yours: 20
  - 1~2: 100
  - 3~4: 80
  - 5~6: 60
  - 7~8: 40
- Attack (300): # of solved challengs * 30
  - Cannot be greater than 300
  - (i.e.., solve 10 challenges == solve all challenges == 300)

Docker

- Platform for OS-level virtualization (i.e., containerization)
- Can package an application + its dependencies
    - within Dockerfile!
- For more information: **https://docs.docker.com/get-started/**

CTF-template

- You can download it:
  http://teemo.kaist.ac.kr/ee595/2021/ctf-template.zip

```
$ unzip ctf-template.zip
```