Introduction to in-class CTF

Insu Yun

Today’s lecture

- Understand CTF ☺

Overview

- CTF Schedule: June 18 (Sat), 9am to 9am (24 hours)
  - Submit to https://forms.gle/t1C5XH7gEdWaHNy86

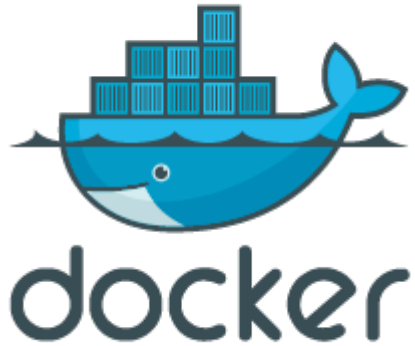
- # of problems >= 12
  - 3 from students
  - 9 from us

Make a problem

- One team needs to prepare one challenge
  - No challenge -> F as announced
  - Deadline: June 8th (Wed)

- Restrictions
  - Run on Linux with Docker
  - Need to be remote challenge
  - Need to submit a solution that achieves flag
  - Key format: ee595{[^\]+)

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/

- Template: https://teemo.kaist.ac.kr/ee595/2022/_static/ctf-template.zip

Grading

- Defense (200): ~~# of solved teams~~
  - ~~No one solves yours: 0~~
  - ~~1~2: 100~~
  - ~~3~4: 80~~
  - ~~5~6: 60~~
  - ~~7~8: 40~~

- Attack (200): # of solved challenges * 30
  - Cannot be greater than 200
  - (i.e.., solve 10 challenges == solve all challenges == 300)