Open Innovation Lab

Capture The Flag - Information Session

Before the Session: QR and QR :)

OIL Facebook

https://www.facebook.com/groups/cuhkoil

CTF Training Camp Whatsapp

https://chat.whatsapp.com/4fJLGw28bggHLIwHuchKJ8

Agenda

- What is CTF
  - + our past competition
- Training Schedule
- Demo

What is CTF?????

Is it…

YOU HAVE CAPTURED
The enemy flag

Just a little game…

To find a murderer ！？

Capture the flag.

In fact…

What is CTF?

- Information security competition

- Format

  - Jeopardy

  - Attack-Defense

  - King of the Hill

  - Or Mixed

- Pwn, Reverse ,Cryptography, Web, Misc

Why playing CTF?

➔ Having fun, legally, for hackers

   ◆ Challenging and exciting

➔ Learning information security

➔ Making friends

➔ Recruitment and employee training

Competition joined

- ASTRI inter-teritiary-institue CTF contest :
  - First Round: Rank 6 and 9
  - Final : Rank 4 and 6
- PwC Hackaday 2017 :
  - Final : Rank 1 and 4
- Some online CTFs
  - CTFtime

Inter-Tertiary-Institute Capture the Flag Contest
2017

PwC's HackaDay 2017

Online CTFs

- CTFtime
  - https://ctftime.org/

- ctflearn
  - https://ctflearn.com/

Schedule

Info-session - 29 Jan (Today)

Web: Chris, Raymond - 5 Feb

Crypto: Jason, Xaviera - 12 Feb

Binary reverse: Kyle - 26 Feb

Misc: Xianbo - 5 March

About this training camp

- You are expected to know
    - Web
        - What is HTTP, SQL, can read HTML, Javascript
    - Binary
        - Basic Linux usage, understand C and Python code
    - Misc
        - How to hide some information :)
    - Crypto
        - Basic Math e.g. mod operation, set theory
- Expected outcome:
    - Basic hacking skills
    - self-learning resources.

Demo

What's next?

- Sharif CTF (2/2)
  - http://ctf.sharif.edu/ctf8/
  - email: cuhkctfteam@gmail.com
  - pwd: cuhk@sharif

- Our training

- Share and discuss together

Q & A