

Cyber Youth Cambodia #1

Present

Foundation of Capture The Flag (CTF) Competition

Monday 6th April 2020 @ 20:30 - 21:30

By Mr. Kuy Rathdaro | Cybersecurity Researcher

There is an online session and will be delivered by Zoom. Register FREE here: <https://bit.ly/2weglv6>

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Introduction to Capture The Flag (CTF)



About me

KUY Rathdaro

PHP Developer
Newbie CTF Player



What is Capture The Flag?

Information Security Competition



Styles of CTF

Jeopardy (Common)

- Multiple Categories of Problems

Attack and Defense (Advance)

- Given a machine (or a small network)
- Attack other people's machine and defend your own machine

Problem Categories

Forensics

Reverse

Web

Pwn

Misc

Crypto

Reverse



Download



Find Key



Earn Points

Pwn



Download

(Some problem no given file)



Find exploitable vulnerabilities



Use exploitable vulnerabilities to get shell

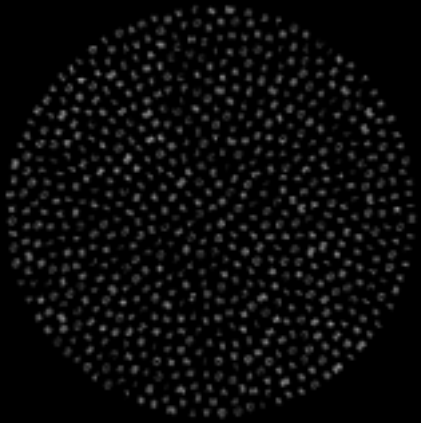


Earn Points

Connect to server



Crypto



Various source
Web, File, String,
hardware...

Apply Math
(Cryptography)

Earn Points

Web



OWASP TOP TEN

Forensics



File

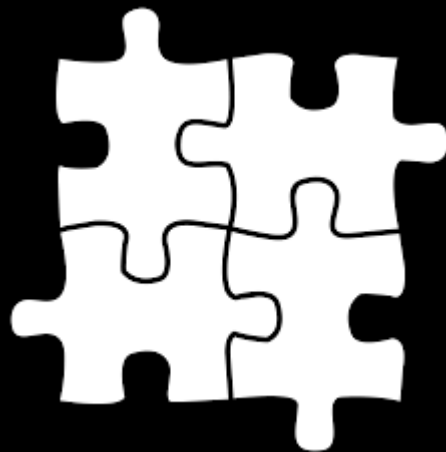
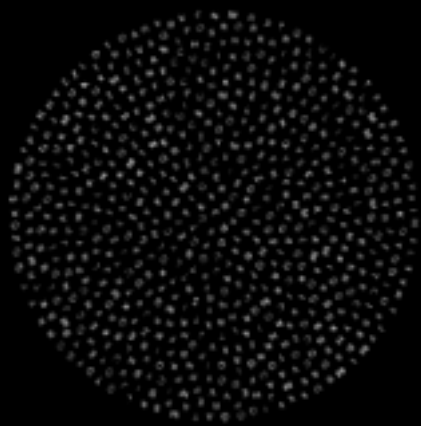


Apply Analysis,
Simulation...



Earn Point

Misc



Various source
Web, File, String,
hardware...

Play with puzzle

Earn Points

Where can I play CTF?



<https://ctftime.org>

Awesome CTF Tools



<https://github.com/apsdehal/awesome-ctf/blob/master/README.md>

DEMO

THANK YOU