Jeopardy Capture the Flag Challenges

PA197 Secure Network Design

May 22, 2019

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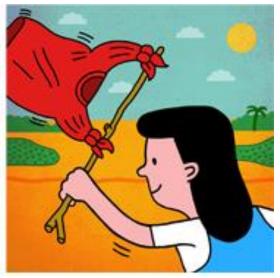


Capture the Flag (CTF) game

- Traditional outdoor game (and later computer games)
- In cybersecurity: training activity for exercising skills
 - Finding secret "flags" as solutions to cybersecurity challenges





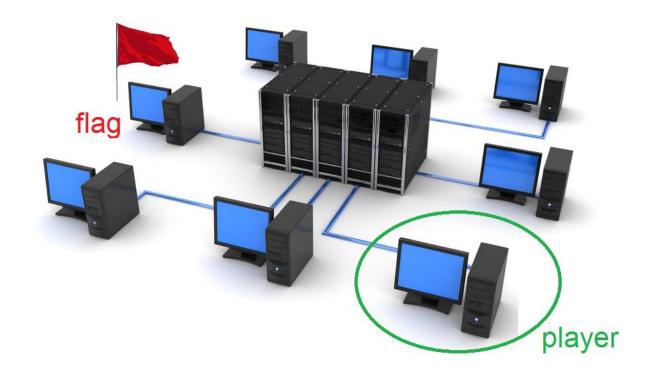


Three types of CTF

- 1. Attack-Defense
- 2. Attack-Only
- 3. Jeopardy

Attack-Defense CTF

- The "original" CTF
- Teams fixing own vulnerable hosts while attacking other teams
- Awaiting you on May 24



Attack-Only CTF

You played this on April 3



Jeopardy CTF

- Most common type of CTF
- Solving cybersecurity-related assignments
- Tasks in categories worth different amount of points
- Today's topic

CHALLENGES

Binary	Forensics	Network	Pwnables	Web
BIN100	FOR100	NET100	PWN100	WEB100
BIN200	FOR200	NET200	PWN200	WEB200
BIN300	FOR300	NET300	PWN300	WEB300

Jeopardy CTF: Naming



Jeopardy CTF: Upcoming Competitions

Facebook CTF

- June 1
- Prizes: \$3,133.70 + \$2,000 + \$1,000
- https://fbctf.com/

Google CTF

- June 22
- Prizes: \$31,337 and advancement to the finals
- https://capturetheflag.withgoogle.com/
- ... And many more:
 - https://ctftime.org/

Your tasks

- 1. Register at one (or more) of these websites:
 - https://www.hackthebox.eu/
 - https://www.root-me.org/?lang=en
 - https://www.hackthissite.org/
 - https://www.hackthis.co.uk/
- Solve some challenges!
 (The homework will be related to this, so the more you solve here, the better for you ☺)

Reflection

- Which platform did you choose? Why?
- Have you learned something today? What was it?
- What did you like about this type of practice?
- What did you not like?
- Any other comments?

Resources

- https://www.youtube.com/watch?v=ThBpRBpyxLI
- https://github.com/CSIRT-MU/edu-resources
- https://www.kali.org/
- https://defcon.org/



Interested in cybersecurity?

Join us!

- Learn practical cybersecurity topics
- Cooperate on interesting projects

Cybersecurity Laboratory at FI MU: kypo.fi.muni.cz

Computer Security Incident Response Team of Masaryk University





THANK YOU! QUESTIONS? JOIN US AT CSIRT-MU:)

csirt.muni.cz, kypo.fi.muni.cz



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