

Capture The Flag: A Brief History

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About Me

- School
 - Network and Security Administration, B.S.
 - Information Assurance and Computer Security, M.S. (May 2018)
 - CISSP (Passed Exam, completing experience requirement)
- Work
 - The MITRE Corporation
 - Dakota State University
- Play
 - CyberPatriot
 - National Cyber League
 - Collegiate Cyber Defense Competition



Outline

- Who (participates in CTFs)?
- What (are CTFs)?
- When (did all this occur)?
- Where (do CTFs take place)?
- Why (should we care)?
- How (does someone get involved)?



Who (participates in CTFs)?

- Constructionist (System Builder)
 - Architect; Engineer
- Protectionist (Defender)
 - Defends systems already in place
- Destructionist (Attacker)
 - Offensive in approach



What (are CTFs)?

Competition Types

- Attack
 - Cybersecurity Awareness Week CTF (CSAW)
 - National Cyber League
- Attack/Defense
 - Collegiate Penetration Testing Competition (CPTC)
 - Cyber Panoply
- Defense
 - Collegiate Cyber Defense Competition (CCDC)
 - CyberPatriot
 - Department of Energy Cyber Defense Competition



When (did all this occur)?

- Original DEF CON CTF in 1996
- Started with very difficult, low-level challenges
- Competitions started expanding in the early 2000s
- Scoring quickly became an issue



Where (do CTFs take place)?

- In-Person
 - DEF CON CTF Finals
 - CyberLympics Finals
 - CCDC
- Remote/Online
 - Cyber Panoply
 - CSAW
 - National Cyber League

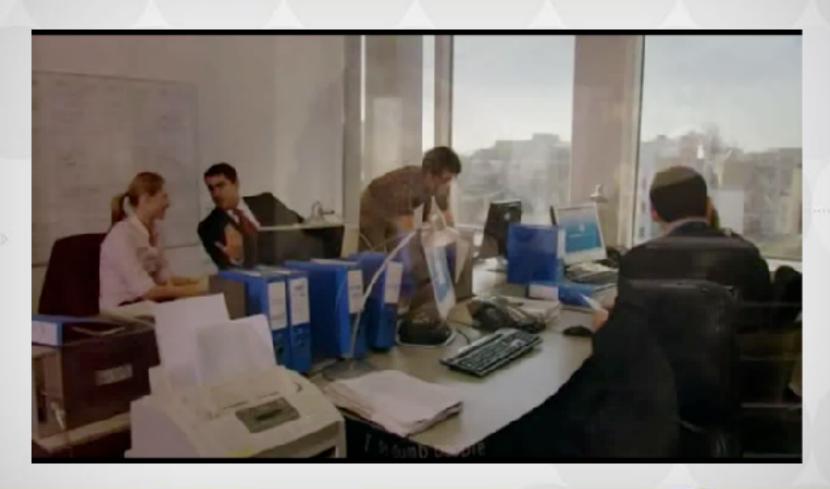








Why (should we care)?





Why (should we care)?

- National Security
 - Private Sector
 - Public Sector
- Cybersecurity Training
- Learning Styles
- Workforce Development
 - Scoring Influence



How (does someone get involved)?

- Compete!
 - CTFtime.org
 - Wargames
 - Register for a competition!
- Volunteer to help run a CTF!
 - Joshua Klosterman,Joshua.Klosterman@dsu.edu
 - Andrew Kramer, <u>Andrew.Kramer@dsu.edu</u>





Questions?



OffSec CTF "No Formatting"

