



OWASP

Open Web Application
Security Project

Capture The Flag: A Brief History

4/12/2018

Joshua Klosterman

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, Andrew.Kramer@dsu.edu



CONNECT

LEARN

GROW

Questions?



OWASP
Open Web Application
Security Project

CONNECT

LEARN

GRILL

OffSec CTF “No Formatting”



OWASP

Open Web Application
Security Project