



Wargames (1983)



What are wargames? (aka CTFs)

In hacking, a **wargame** is a cyber-security **challenge** and **mind sport** in which the competitors must **exploit or defend a vulnerability** in a system or application, or **gain or prevent access** to a computer system.

[https://en.wikipedia.org/wiki/Wargame_\(hacking\)](https://en.wikipedia.org/wiki/Wargame_(hacking))

Categories

Jeopardy

- Pwn
- Crypto
- Web
- Forensics
- Misc

Points are awarded based on difficulty & category

Attack and Defense

- Teams own a network with vulnerable services
- Patch vulnerabilities
- Attack enemy unpatched vulnerabilities

Points are awarded based on successful attacks, system uptime etc.

Popular Wargames

- hackthissite.org
- **overthewire.org**
- pwnable.kr
- root-me.org
- ctftime.org
- exploit-exercises.com
- ...and the list goes on

Basic Techniques

1. Inspect source code
2. Enumerate directories
3. Find user-input fields
4. Server validation?
5. Injection vulnerabilities
6. Request headers
7. Cookies
8. ...Improvise