

UNIVERSITY OF TWENTE.

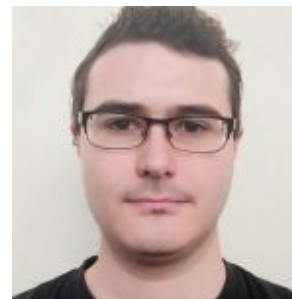
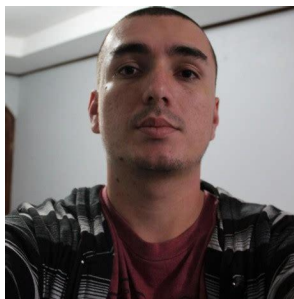
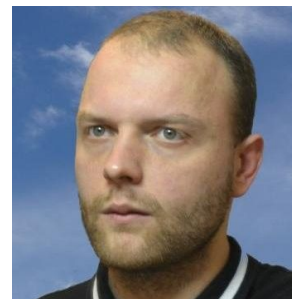
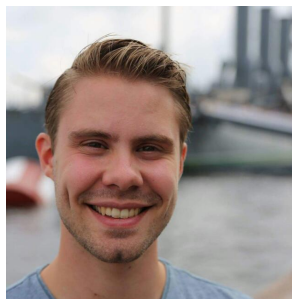
Twente Hacking Squad

Student hacking team from the University of Twente



Who are we?

- Andrea Continella
- Thijs van Ede
- Philipp Jakubeit
- Herson Esquivel Vargas
- Yoep Kortekaas
- Federico Mazzone
- You!



What is a CTF?

- Capture the flag challenges

What is a CTF?

- Capture the flag challenges
- A fun way to legally hack things!

What is a CTF?

- Capture the flag challenges
- A fun way to legally hack things!
- Objective: Retrieve a `flag{2win!}` by exploiting security vulnerabilities

What is a CTF?

- Capture the flag challenges
- A fun way to legally hack things!
- Objective: Retrieve a `flag{2win!}` by exploiting security vulnerabilities
- Put your security and programming skills into practice

What is a CTF?

- Capture the flag challenges
- A fun way to legally hack things!
- Objective: Retrieve a `flag{2win!}` by exploiting security vulnerabilities
- Put your security and programming skills into practice
- **Compete with other hackers**

CTF categories

- Cryptography

CTF categories

- Cryptography
- Forensics

CTF categories

- Cryptography
- Forensics
- General programming

CTF categories

- Cryptography
- Forensics
- General programming
- Reverse engineering

CTF categories

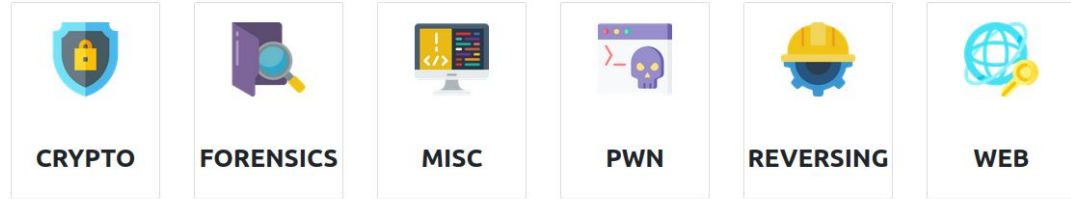
- Cryptography
- Forensics
- General programming
- Reverse engineering
- Pwning

CTF categories

- Cryptography
- Forensics
- General programming
- Reverse engineering
- Pwning
- **Web hacking**

CTF styles

- Jeopardy



★ **Intro - Flags** **5 points**

Author(s): Thijs van Ede

In a capture the flag challenge, the objective is to capture the FLAG value. You can recognize flags for most CTF challenges by their default format `CTF{flag_value}`. For the Twente Hacking Squad challenges, this format is: `THS{flag_value}`.

Submit the following flag to receive your first points:

```
THS{you_can_ofen_recognize_flags_by_the_CTF_name_and_curly_braces}
```

THS{...} Submit flag

★ **Cookie Clicker** **15 points**

★ **KeyGenie** **25 points**

CTF styles

- Jeopardy
- Attack/defence



CTF styles

- Jeopardy
- Attack/defence
 - King of the hill



Let's hack!

Beginner

- <https://cryptohack.org> → Introduction & General challenges
- <https://picoctf.org>

Up for a challenge?

- <https://hackthebox.eu>

Pro tip: Use a (Linux) VM for solving challenges, e.g. Kali Linux (<https://www.kali.org/>)