



Swedish National Hacking Team

~~på besök!~~
distans!

NTNU



Capgemini



About me: Movitz Sunar

- KTH dropout 🤔
- Study political science at Försvarshögskolan
- Project lead for Säkerhets-SM
- Began programming in lågstadiet
- 2019 Bootcamp at FRA
- 2020/1 SSM participant
- Now I mostly compete with ~~RoyalRoppers~~ KebabEngineers
- SNHT 2023, now org

Agenda

- What is SNHT?
- I want you for SNHT!

- Competing in CTFs
 - Categories
 - Branches
 - The scene
- Binary exploitation
- Homework



Swedish National Hacking Team

- Created 2022
- Competes in European Cyber Security Challenge (ECSCC)
 - Austria 2022 (6th)
 - Norway 2023 (7th)
 - Italy 2024 (11th)
- 10 people
- 50/50 Junior/Senior
- Merit based
 - Technical ability
 - Ability to work in a team



SECTRA

S|E|B



Cybercampus
Sverige



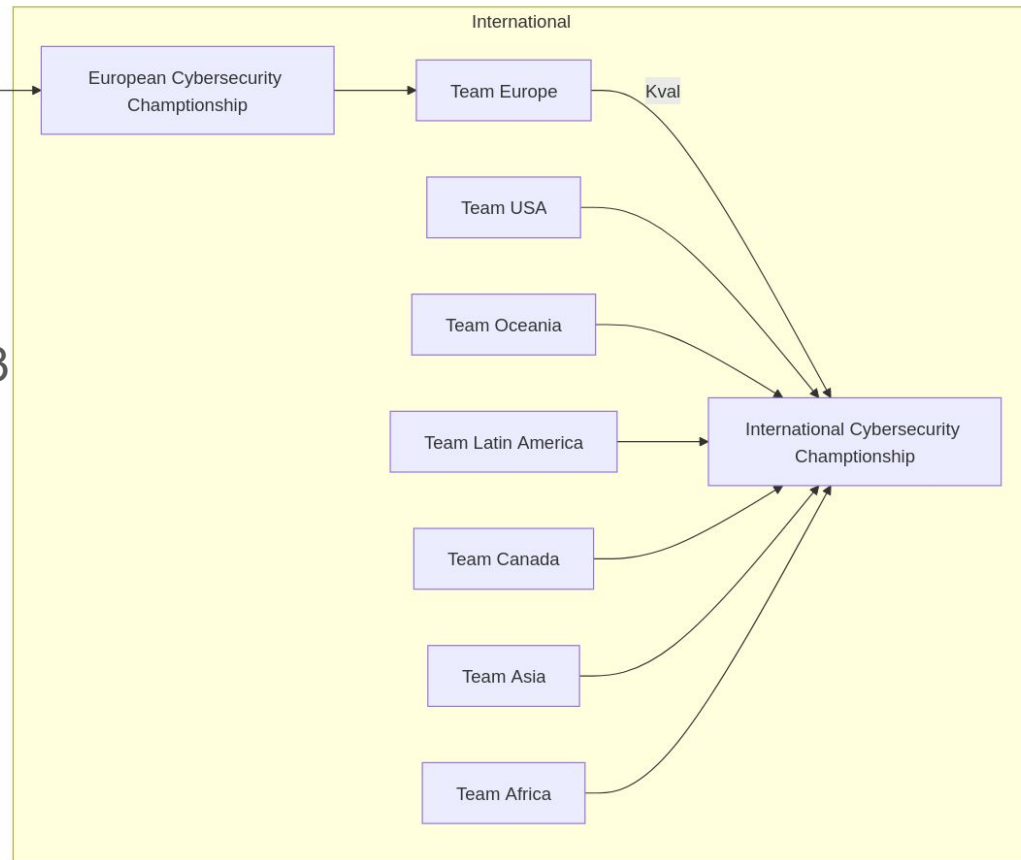
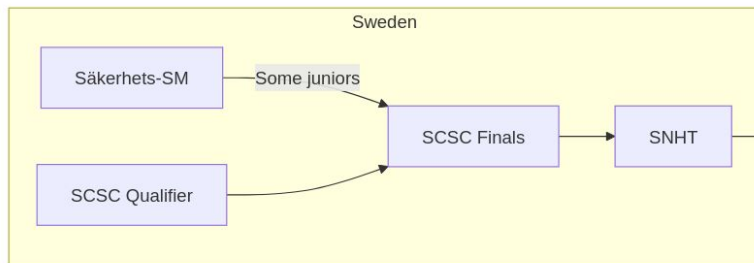
CPARTA
CYBER DEFENSE



SAAB

We want you in SNHT!

Compete in the Swedish Cybersecurity Challenge!



SCSC Quals: 2025-02-21 - 2025-02-23
(next week)

European Cybersecurity Challenge

- 2017: 15 EU teams
- 2023: 28 EU teams + Canada, USA, Serbien, Singapore, Georgien, Costa Rica
- Poland host country 2025
- ENISA + Host org

We still haven't decided on the SNHT uniforms yet, ideas are welcomed!

Vill du vara med i SNHT?

- Compete often (ctftime.org)
- Read writeups
- Hack together and motivate each other
- Play the swedish CTFs

What is Capture the Flag?

- Competition
- Time-limited
- Hack something...
 - Web
 - Crypto
 - Reversing
 - Forensics
 - Hardware
 - Cloud
 - Pwn
 - OSINT
 - Blockchain

Types of CTFs



CTFs in Sweden

- Säkerhets-SM by Kodsport (+ wargame)
- Undutmaning by MUST, FRA, SÄPO
- Crate-CTF by FOI
- SEC-T + Security Fest
- MidnightSun CTF
- Swedish Cybersecurity Challenge
- + more

Teams in Sweden

- Universities (non-exhaustive list)
 - KTH: RoyalRoppers
 - Karlstad: KAUotic Hacking Club
 - Linköping: LiTHe Hax
 - Göteborg: ChaGU
 - Jönköping: pwnJU (aka 5shots1omtenta)
- Many more. Offices, friends, high schools, etc

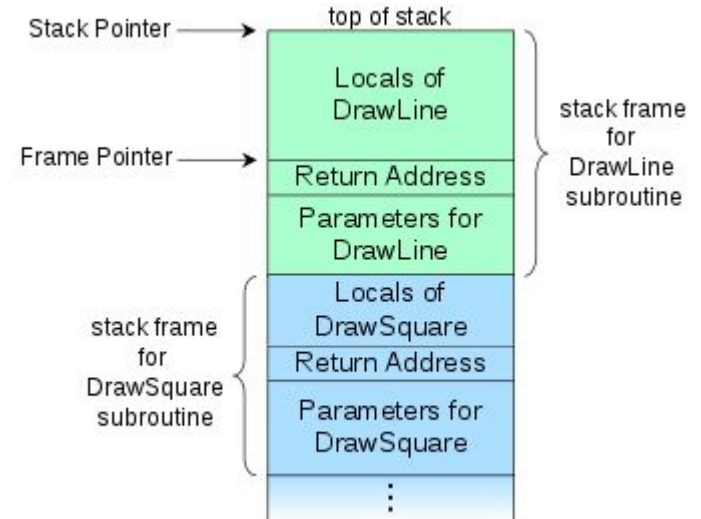
The International Scene

- DefCon is the olympic games of CTF
- You can not qualify with your uni team
- NorseCode is the nordic mega-team

for more: ctftime.org

What is binary exploitation?

- Memory management is hard
- Practice exercises + help from Kodsport



Prankdispenser

(from SSM23 quals)

nc 35.228.72.74 51024

Get points for LiU at

sakerhetssm.se

```
C main.c X
home > mosu > Downloads > C main.c
1  #include <stdbool.h>
2  #include <stdio.h>
3
4  #include "flag.h"
5
6  int main(){
7      struct{
8          char password[256];
9          bool is_admin;
10     } user;
11
12     user.is_admin = false;
13
14     setvbuf(stdout, NULL, _IONBF, 0);
15     setvbuf(stdin, NULL, _IONBF, 0);
16
17     puts("Skriv in admin lösenordet:");
18     gets(user.password);
19
20     if (user.is_admin){
21         puts("Uhh, jag vet inte hur du kom in hit men här har du flaggan");
22         puts(flag);
23     } else {
24         puts("Haha prank, det finns inget korrekt lösenord");
25     }
26
27     return 0;
28 }
29
```


Home work

1. Play in the SCSC next week
2. Compete more?
 - a. Join LiThe Hax
 - b. Compete in Undutmaningen (29:rd March)
 - c. Find more CTFs on ctftime.org
3. Write challenges for Säkerhets-SM? organize your own CTF?

Questions?

<https://snht.se/>

Discord: mvtz

LinkedIn: Movitz Sunar



SNHT Discord →