CAPTURE THE FLAG

C’est quoi un CTF ?

- Une compétition
- Basée sur des failles de sécurité réelles
- Une ambiance fun

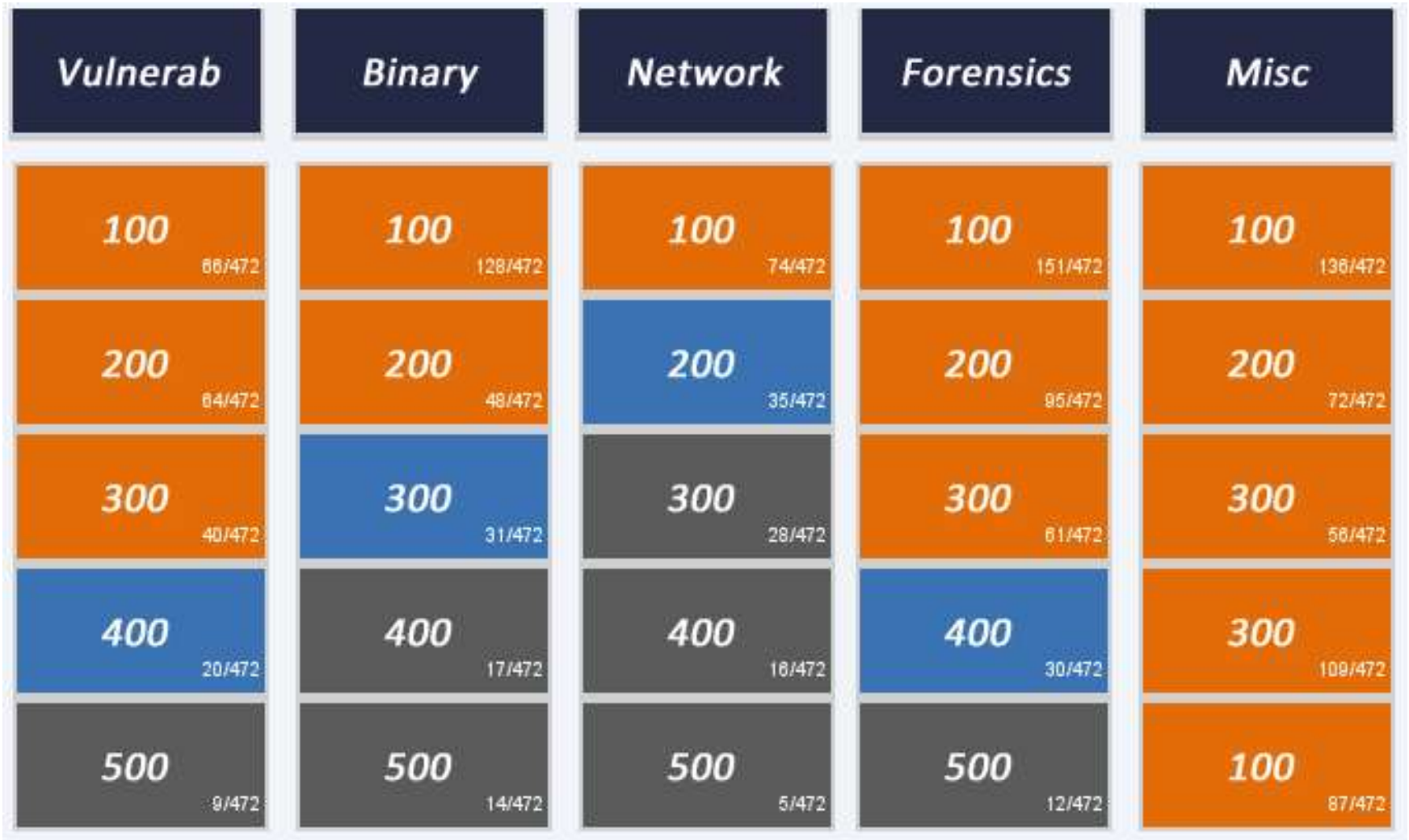
- Vous êtes le Hacker (le quoi ?)

Apprendre mains sur le clavier

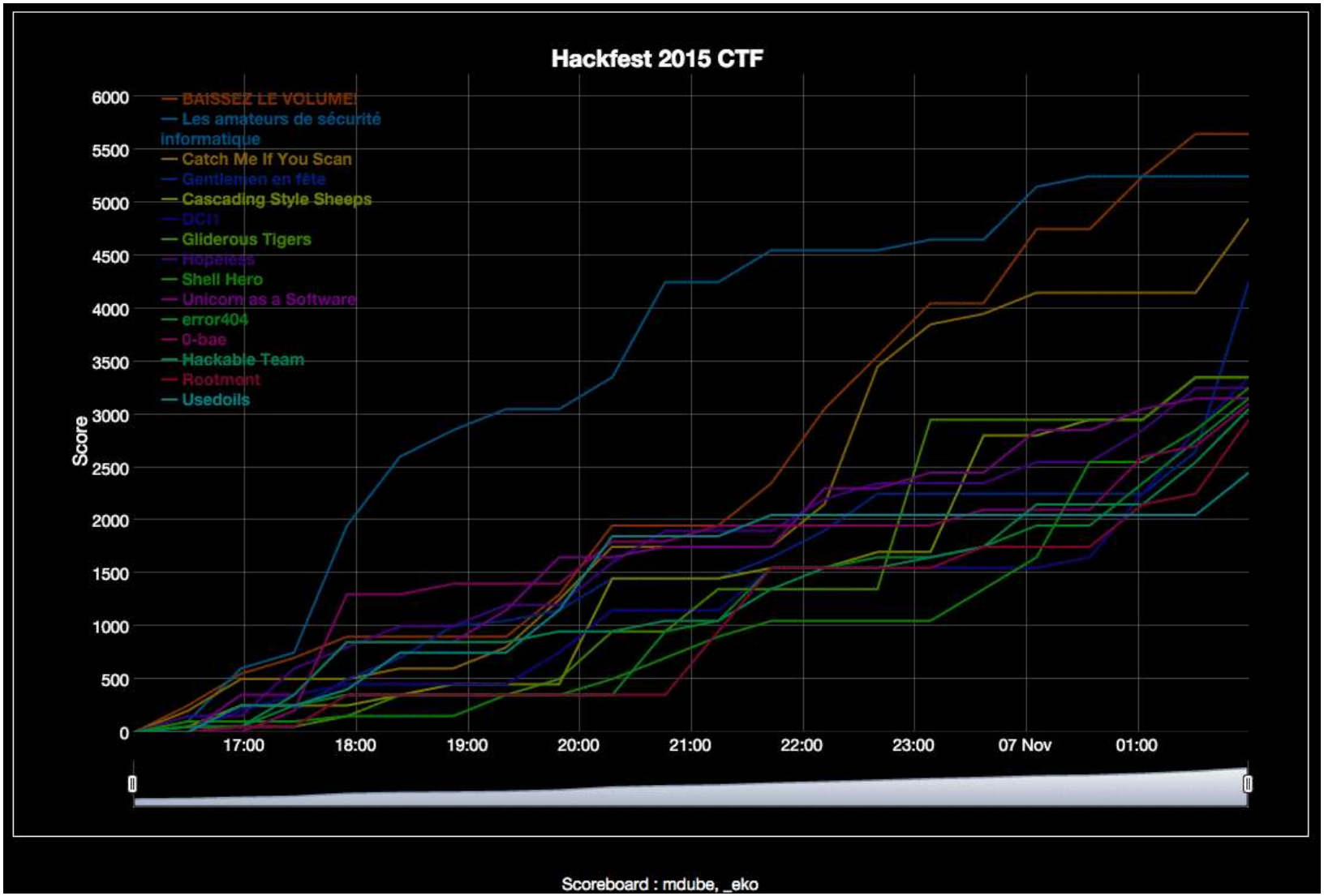
Qui fait des CTF ?

- Les pro de la Sécurité
- Les amateurs
- Les étudiants
- Les débutants
- Les curieux
- …

Des Challenges en temps limité



Un classement en temps Réel



Deux types de CTF

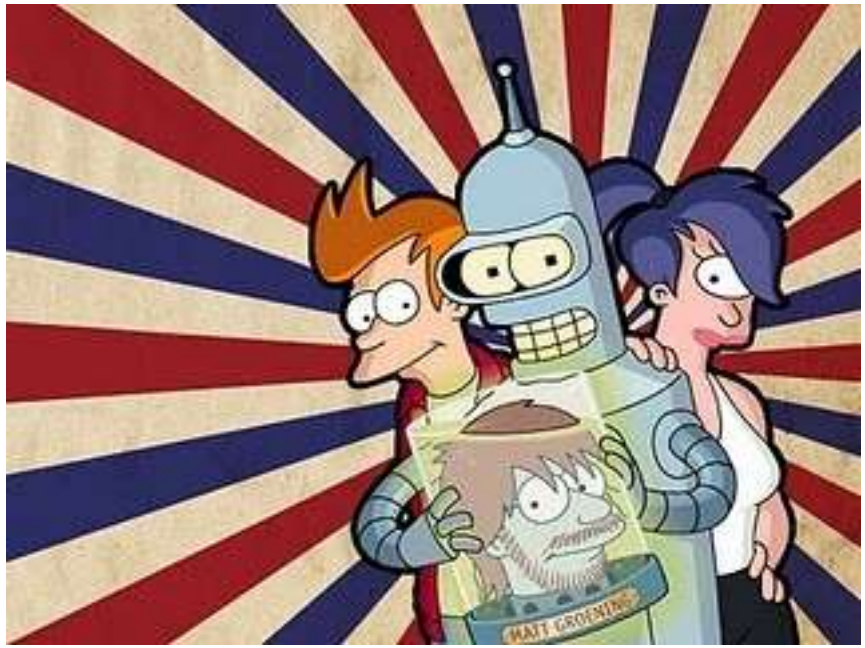
- Jeopardy : Participants vs Server

- Attack-Defense :
  - Defendre ses Flags
  - Capturer les autres

Quelles thématiques ?

- Tout ce qui peut être mal configuré ou présenter une vulnérabilité exploitable

- Chiffrement
- Reverse engineering
- Analyse de Code
- Site Web
- Protocole Réseau
- Hardware/IoT
- VMs



C’est quoi un Flag ?

- Un Flag rapporte des points

- Flag_A{y0l0_l3s_p0t0s}
- d9cad5b8fe41e6dd9cad5b8fe41e6d
- $flag$ebe85184bd9cad5b8fe41e6d5ee99f89

Un exemple de Flag pour débutant

- dpef qbs efdbmbhf ef mfuusf gmbh{z0m0_m3t_q0u0t}
- https://cryptii.com/pipes/caesar-cipher
- code par decalage de lettre
  flag{y0l0_l3s_p0t0s}

Un exemple de Flag type CTF

Winter is coming

Vm0wd2QyVkZOVWhTYmxKV1YwZDRXRmxVUm5kVlJscHpXa2M1VjFKdGVGWlZNbmhQWVd4S2MxTnNXbGRTTTFKUVdWY3hTMUl4WkhGUm
JGWnBVbXh3VVZkV1pEUlRNazE0Vkc1T1dHSkdjSEJXTUdSdlpWWmtWMWR0ZEZSTlZUVkpWbTEwYTFkSFNrZGpSVGxYWWxoU00xVXhXbXRXT
VZaeVpFWlNUbFp0ZHpCV2EyUTBWakZWZVZOclpHcFNiV2hvVm1wT2IyRkdXWGhYYlhSWFRWZFNlbFl5TVRCVWJVcEhZMFZzVjJFeVRYaFdha1p
yVTBaT2NtSkdTbWxTTW1ob1YxZDBZVll3TlVkVmJrcFlZbGhTV1ZWc1VrZFdiRlpZVFZoa1ZXSkdjRnBWVm1oclZqSkZlVlZZWkZwbGExcHlWVEJhVD
JNeVJraGxSazVzWWxob1dsWXhaREJaVm14V1RVaG9XR0pzU25OVmFrNVRWMVpXYzFWclpGUmlSMUo1Vm14U1YxWXdNVmRqUldSV1RWW
ktTRlpxU2tkamJVbzJVV3hhYkdFeGNGbFdiWEJIWVRKT2MxZHVUbFJpUjFKVVZGUkJkMDFSUFQwSw==

http://www.utilities-online.info/base64/

Vm0wd2VFNUhSblJWV0d4WFlURndVRlpzWkc5V1JteFZVMnhPY
WxKc1NsWldSM1JQWVcxS1IxZHFRbFZpUmxwUVdWZDRTMk14
VG5OWGJGcHBWMGRvZVZkV1dtdFRNVTVJVm10a1dHSkdjRTlX
YlhSM1UxWmtWMVZyZEZSTlZtdzBWa2Q0VjFVeVNrZGpSbWho
VmpOb2FGWXhXbXRXTVdSelYyMTBUbUpHY0VsV2EyTXhWakZr
U0ZOcmJGSmlSMmhoV1d0YVYwNUdVbkpYYlhSWVVsUkdWbFZ
YTVhkVWJGcFpVVmhrVjJFeVVYZFpla1pyVTBaT2MyRkhlRk5sYlh
oWlYxZDBZVmxWTUhoWGJsSnNVak5TV1ZWc1VrZFRiR1J5VmxS
V1YwMVdjRWRWTVZKSFZqSkdjbUo2UWxabGExcFlWbXBHYTJOc
1duTlRiR1JUVFRBd01RPT0K

Flag{You know nothing Jon Snow}

La Def Con

- 1993
- Badges
- Black Badge

Une équipe

- Personne ne sait tout faire

- Plus fun

La boite à outil pour débuter

Outils

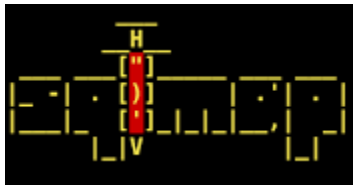
- Google
- nmap
- Exploit_db
- Msfconsole
- Burp Suite
- Python

Connaissances

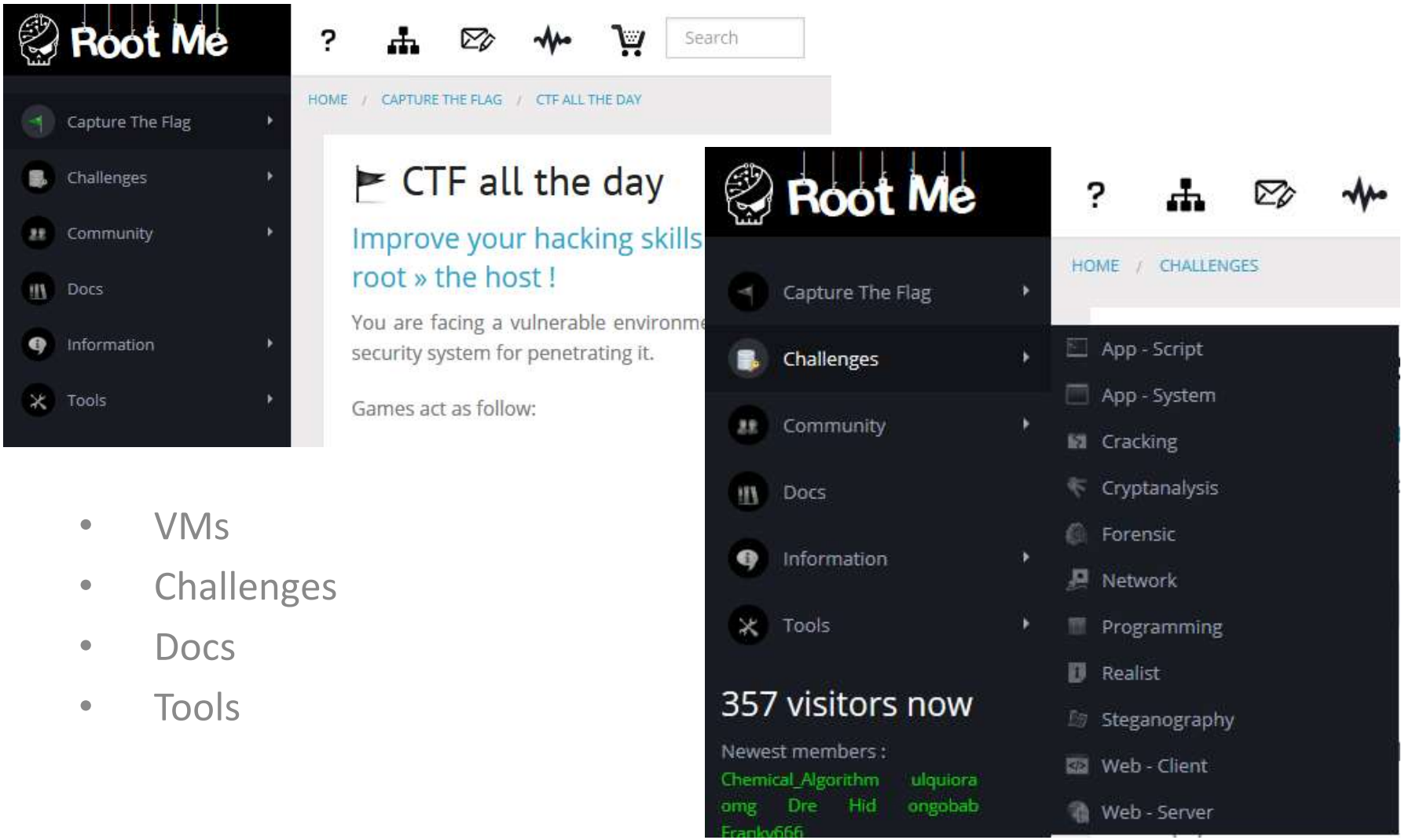
- HTTP
- Cookies
- XSS
- SQLi
- LFI
- Buffer Overflow

Comment POwner un serveur ?

- Analyse du système
  - Masscan, nmap
- Identifications de vulnerabilités
  - Nmap, wpscan, dirbuster
- Exploitation de vulnerabilité
  - Hydra, sqlmap, metasploit
- Post Exploitation

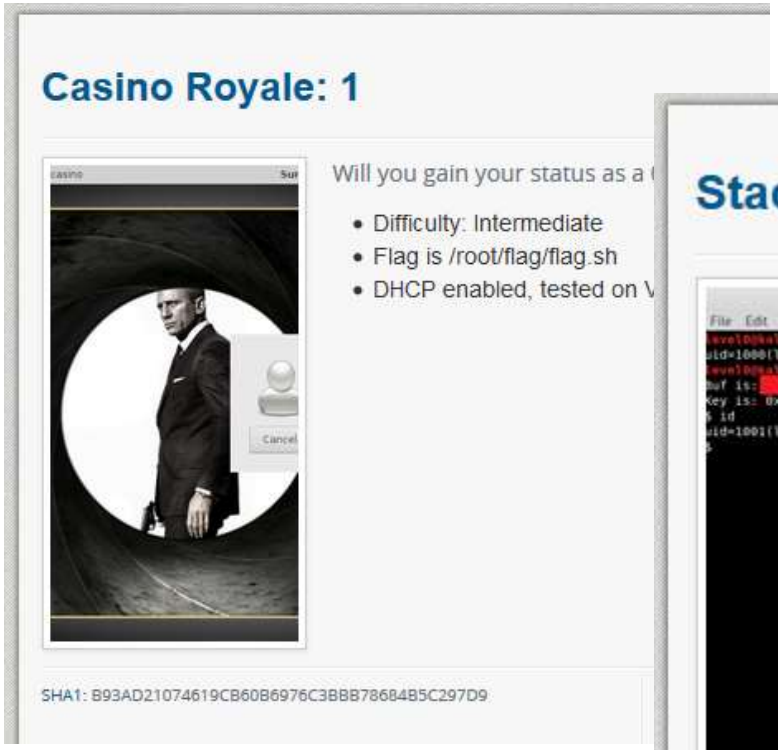


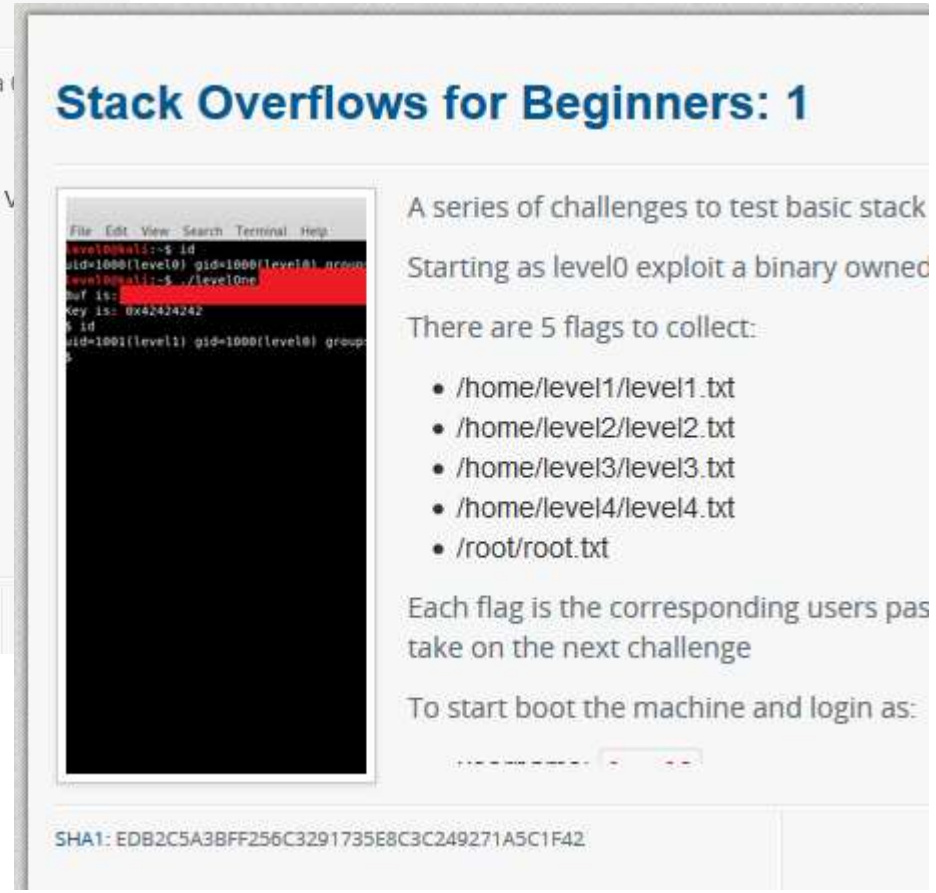
www.root-me.org



- VMs
- Challenges
- Docs
- Tools

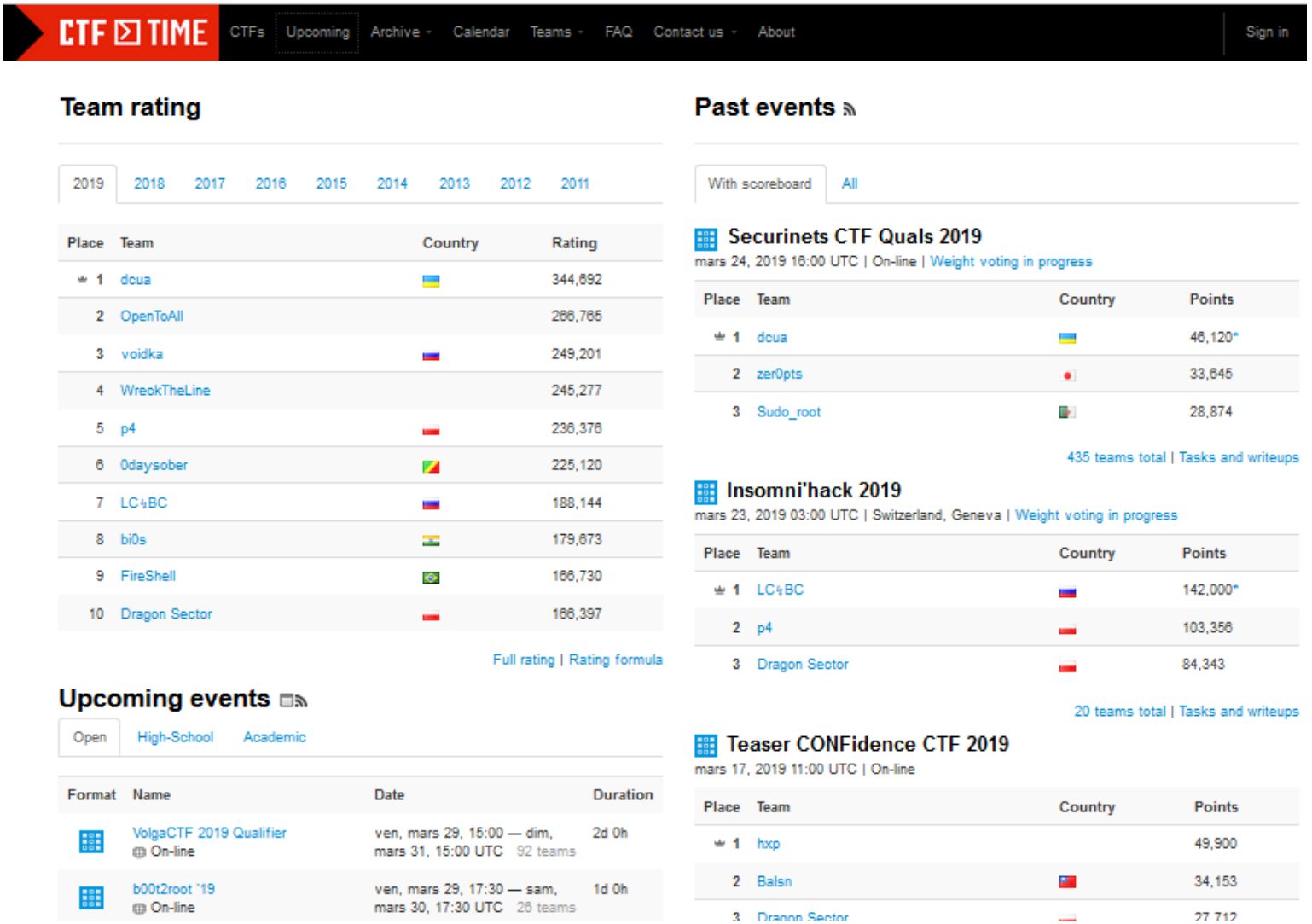
www.vulnhub.com





- Download VMs
- Check SHA1
- Lisez les Walkthrough

CTFTime.org


CTF TIME
CTFs
Upcoming
Archive
Calendar
Teams
FAQ
Contact us
About
Sign in
Team rating
2019 2018 2017 2016 2015 2014 2013 2012 2011
Place Team Country Rating
1 dcua 344,692
2 OpenToAll 266,765
3 voidka 249,201
4 WreckTheLine 245,277
5 p4 236,376
6 0daysober 225,120
7 LC↯BC 188,144
8 bi0s 179,673
9 FireShell 166,730
10 Dragon Sector 166,397
Full rating | Rating formula
Upcoming events
Open High-School Academic
Format Name Date Duration
VolgaCTF 2019 Qualifier
On-line
ven, mars 29, 15:00 — dim, mars 31, 15:00 UTC 92 teams
2d 0h
b00t2root '19
On-line
ven, mars 29, 17:30 — sam, mars 30, 17:30 UTC 26 teams
1d 0h
Past events
With scoreboard All
Securinets CTF Quals 2019
mars 24, 2019 16:00 UTC | On-line | Weight voting in progress
Place Team Country Points
1 dcua 46,120*
2 zer0pts 33,645
3 Sudo_root 28,874
435 teams total | Tasks and writeups
Insomni'hack 2019
mars 23, 2019 03:00 UTC | Switzerland, Geneva | Weight voting in progress
Place Team Country Points
1 LC↯BC 142,000*
2 p4 103,356
3 Dragon Sector 84,343
20 teams total | Tasks and writeups
Teaser CONFidence CTF 2019
mars 17, 2019 11:00 UTC | On-line
Place Team Country Points
1 hxp 49,900
2 Balsn 34,153
3 Dragon Sector 27,712

A vos claviers