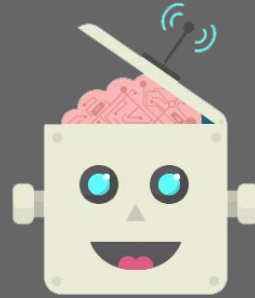


JOINT

STUDENT BRANCH
CHAPTER

UFPB



IEEE
Computational
Intelligence
Society

IEEE
computer
society

CTF

But wait... Diabé CTF?

- Competição de Segurança da Informação
- **Jeopardy**, Attack-Defense
- Achar flags pra ganhar pontos

CTF

- Como é um desafio?

Not(e) accessible 55

Solves: 130

We love notes. They make our lifes more structured and easier to manage! In 2018 everything has to be digital, and that's why we built our very own note-taking system using micro services: Not(e) accessible! For security reasons, we generate a random note ID and password for each note.

Recently, we received a report through our responsible disclosure program which claimed that our access control is bypassable...

<http://35.207.120.163>

Difficulti estimate: Easy-Medium

CTF

- Tipos
 - rev
 - pwn
 - crypto
 - web
 - misc

<https://github.com/saurav3199/CTF-writeups/tree/master/HSCTF6>

HSCTF 6

[Join Discord](#)

[Rules + Info](#)

[Notifications](#)

[Teams](#)

[Scoreboard](#)

[Challenges](#)

[Team](#)

[Profile](#)

[Settings](#)

[Logout](#)

Challenges

Miscellaneous

Discard 10	Survey 10	Verlone 115	Locked Up 121
Admin Pass 141	A Simple Conversation 146	The Bad Reversal 176	Broken GPS 186
Hidden Flag 290	Broken REPL 407	Katth Bot 410	64-word 421
JSOM Info 427	English Ducks 484	Tasty Snack 492	

Cryptography

Reverse Search Algorithm 130	Super Secure System 190	A Lost Cause 196	Massive RSA 214
Really Secure Algorithm 314	Welcome to Crypts Land 318	Tut's Kitchen 401	Bump 411
Spooky ECC 457	Marginally More Spooky ECC 473	Multiplication Service 490	

Binary Exploitation

Intro to Netcat 51	Return to Sender 148	Combo Chain Lite 243	Storytime 333
Combo Chain 365	Bit 397	Byte 425	Caesar's Revenge 427
Aria Writer 451	Aria Writer v3 467	Hard Heap 480	

Reversal

A Byte 116	License 230	Clickbait 294	Virtuoscapes 324
I Thought Trig Was Really Fun 374	Bitcode 377	New York Show 2019 406	Paint 408
Forgot Your Password? 465			

Forensics

Chicken Crossing 53	Cool Image 103	Cool Image 2 106	Boo 108
Lego Ducks Bad 147	Flux 234	Double Trouble 297	Shaytelling v2 460

Web

Inspect Me 32	Agent Katth 101	5-0-L 103	The Queen 102
Katth Logger 213	net... 218	Anonymous Rich Internet Adm 243	Networked Password 214

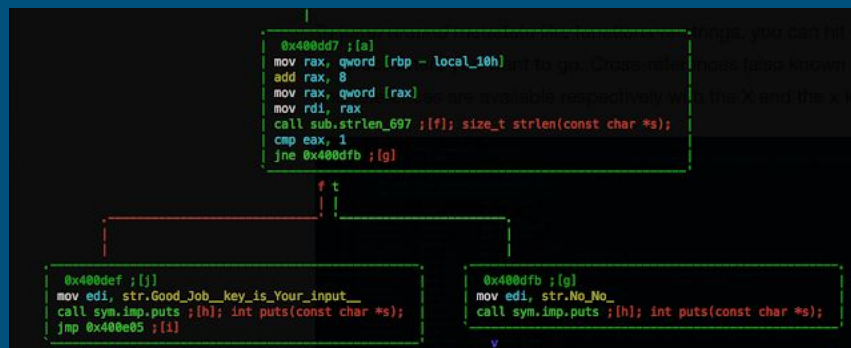
Powered by CTFs

CTF

- Tipos

- rev

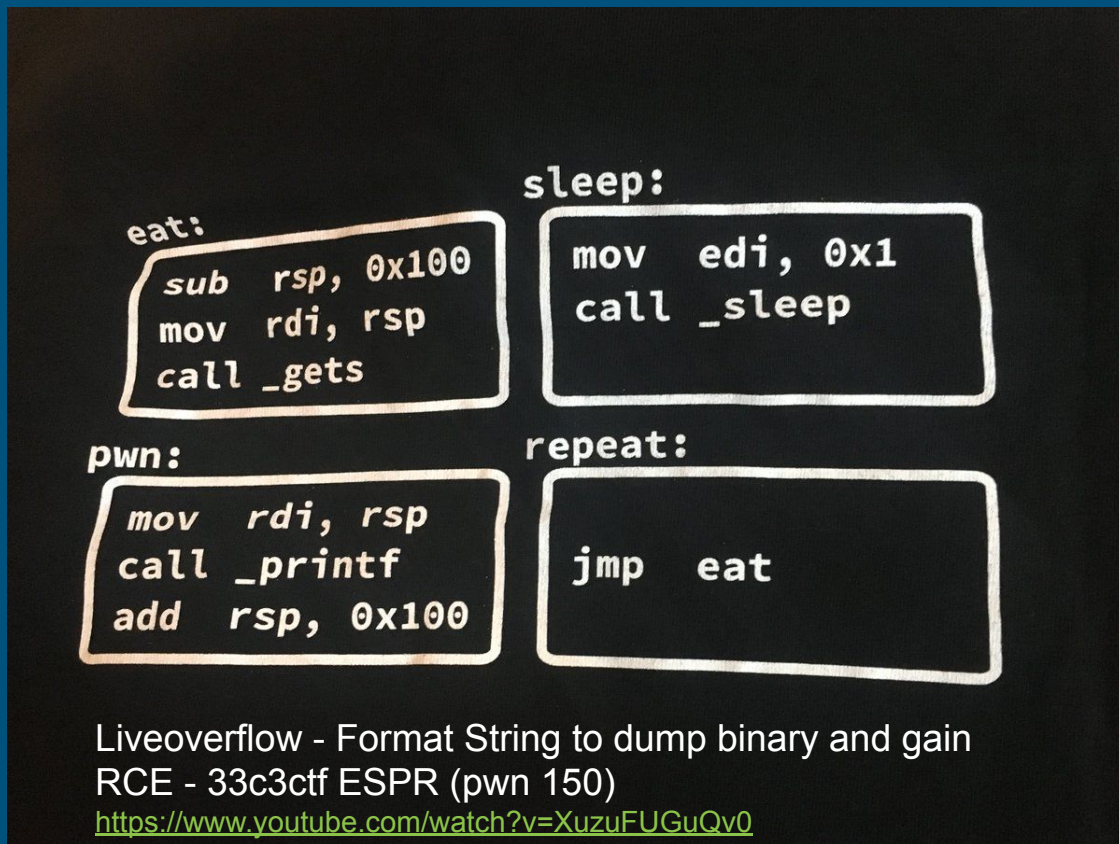
- Engenharia reversa.
 - Binário (executável)
 - Assembly
 - Objetivo
 - Entender o que o binário faz para conseguir extrair informações dele.



CTF

- Tipos

- rev
- pwn
 - Binário (executável)
 - Assembly
 - Binário rodando num servidor
 - Objetivo:
 - Achar uma forma de corromper o binário para conseguir executar código no servidor

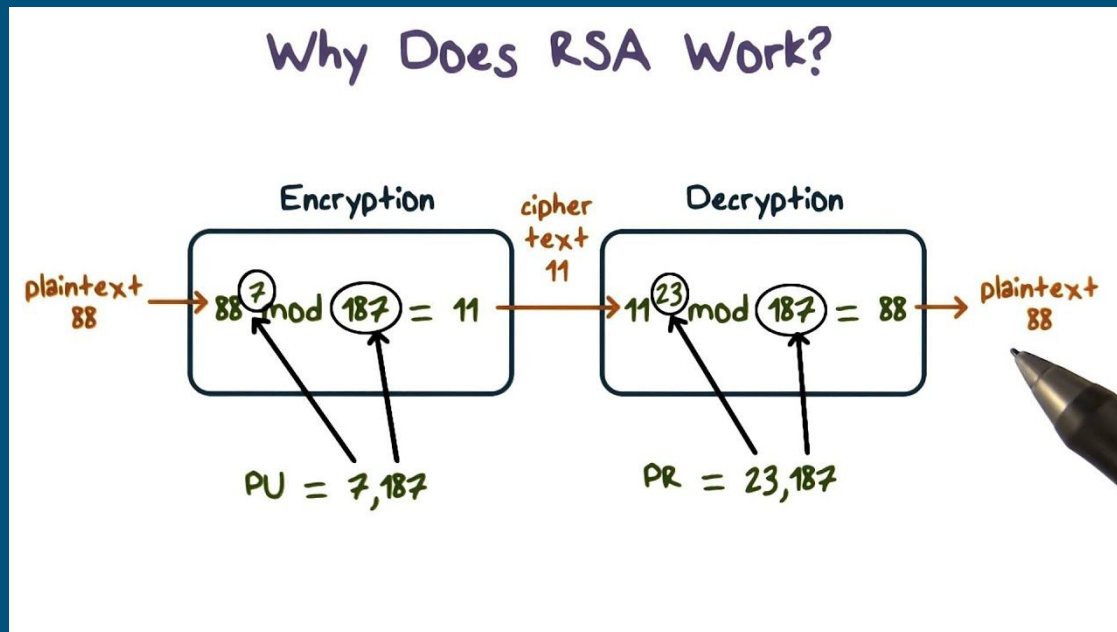


CTF

- Tipos

- rev
- pwn
- crypto

- Criptografia
- Mais matemático
- Objetivo:
 - Encontrar uma chave ou quebrar alguma cifra.



John Hammond - b00t2root CTF: cuz rsa is lub [RSA Cryptography]

https://www.youtube.com/watch?v=_lg2AEqRTjg

CTF

- Tipos

- rev
- pwn
- crypto
- web
 - Um site;
 - Uma vulnerabilidade: SQLi, auth bypass, XSS, CSRF, etc
 - Objetivo:
 - Acessar a uma página sem permissão ou o servidor do site

```
<?php
$flag = file_get_contents("/flag");

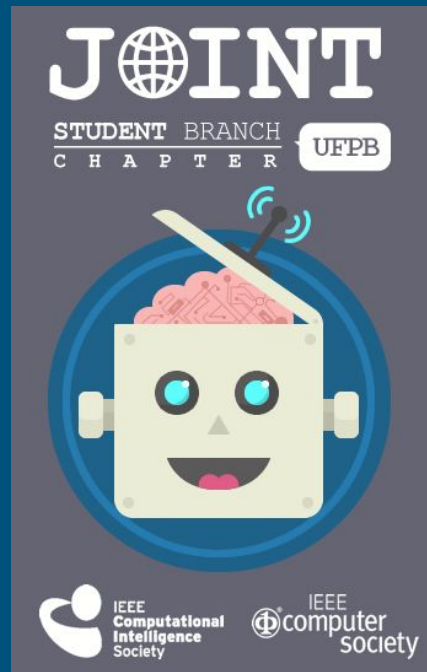
if (!isset($_GET["md4"]))
{
    highlight_file(__FILE__);
    die();
}

if ($_GET["md4"] == hash("md4", $_GET["md4"]))
{
    echo $flag;
}
else
{
    echo "bad";
}
?>
```

<https://github.com/saurav3199/CTF-writeups/tree/master/HSCTF6#md5--->

CTF

- Tipos
 - rev
 - pwn
 - crypto
 - web
 - misc
 - Forense
 - Pesquisa
 - Estenografia
 - Desafio de programação
 - Demais...



<https://github.com/cscisufpb/CTF/tree/master/Chall%20Joint%20Logo>

Onde encontrar?

<https://ctftime.org/>

Team rating

2019 2018 2017 2016 2015 2014
2013 2012 2011

Place	Team	Country	Rating
1	Dragon Sector		723,994
2	Balsn		686,923
3	LC&BC		587,842
4	p4		571,197
5	TokyoWesterns		560,944
6	dcua		553,772
7	Tea Deliverers		517,218
8	Plaid Parliament of Pwning		510,566
9	Bushwhackers		507,114
10	r3kapig		501,179

[Full rating](#) | [Rating formula](#)

Upcoming events

Open

Format	Name	Date	Duration
	Canadian Institute for Cybersecurity CTF Final	Qui, Ago. 01, 12:00 — Qui, Ago. 01, 20:00 UTC	8h
	On-line	28 teams	

Past events

With scoreboard All

CyBRICS CTF Quals 2019




Julho 21, 2019 10:00 UTC | On-line | [Weight voting in progress](#)

Place	Team	Country	Points
1	Bushwhackers		0,000
2	Nu1L		0,000
3	fargate		0,000

[771 teams total](#) | [Tasks and writeups](#)

Insects CTF 2019

Julho 12, 2019 19:00 UTC | On-line

Place	Team	Country	Points
1	Bushwhackers		47,000
2	saarsec		34,997
3	ENOFAG		29,646

[41 teams total](#) | [Tasks and writeups](#)

WCTF 2019 ONLINE

Julho 06, 2019 10:00 UTC | On-line

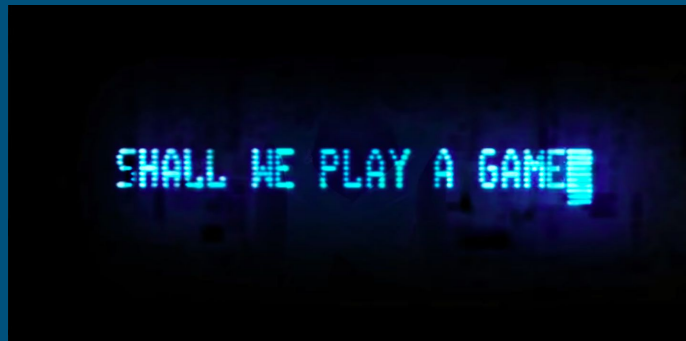
Place	Team	Country	Points
1	Whitzard		2,000
2	Plaid Parliament of Pwning		1,265
3	\$wag		1,086

Como encontrar um time?



Wargames

- Overthewire - <https://overthewire.org/wargames/>
- Cryptopals - <https://cryptopals.com/>
- Pwnable.kr - <http://pwnable.kr/>
- Hacking-lab - <https://www.hacking-lab.com/index.html>
- HackTheBox - <https://www.hackthebox.eu/>
- Many more...



Lembrando!

Você vai errar MUITO!!!

F . A . I . L

First Attempt In Learning

O que fazer depois que falhar?

**WRITE UPS E
COMPETITION CHAT**

E sempre...

- Respeitar as regras e as pessoas;
- Não compartilhar flags;
- HAVE FUN!

Dúvidas?

Ou vamos ver alguns desafios?