



Introduction to Cybersecurity

HELLO WORLD !!

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(ckc)

Loading.....

- Bits Pilani, 3rd yearite Mechanical Engineering.
- GDSC Lead, Cybersecurity.
- Cyber Security Intern at CybeReconN
- Founder of Bits & Pieces , CTF team. (10th Rank)
- Hobbies : Sports, Singing, Computers 😊 (of course).

```
└──(ckc9759㉿Kali)-[~/Desktop/ctf]
└──$ whoami
ckc9759
```



```
(ckc9759㉿Kali)-[~/Desktop/ctf]  
$ cat Agenda
```

- 01 Security

What, why, how ?

- 02 Hacked !!

Live example, how to hack !!

- 03 Stories

Random stuff, Interaction

- 04 Feedback

Your views & Questions

Security and Cyber world

What ??

Why ??

Future ??

How to start ??

What is Security ??

Protection of Data

What's included?

- Computers
- Networks
- Power Grids
- Mobiles
- IoT
- The Cloud



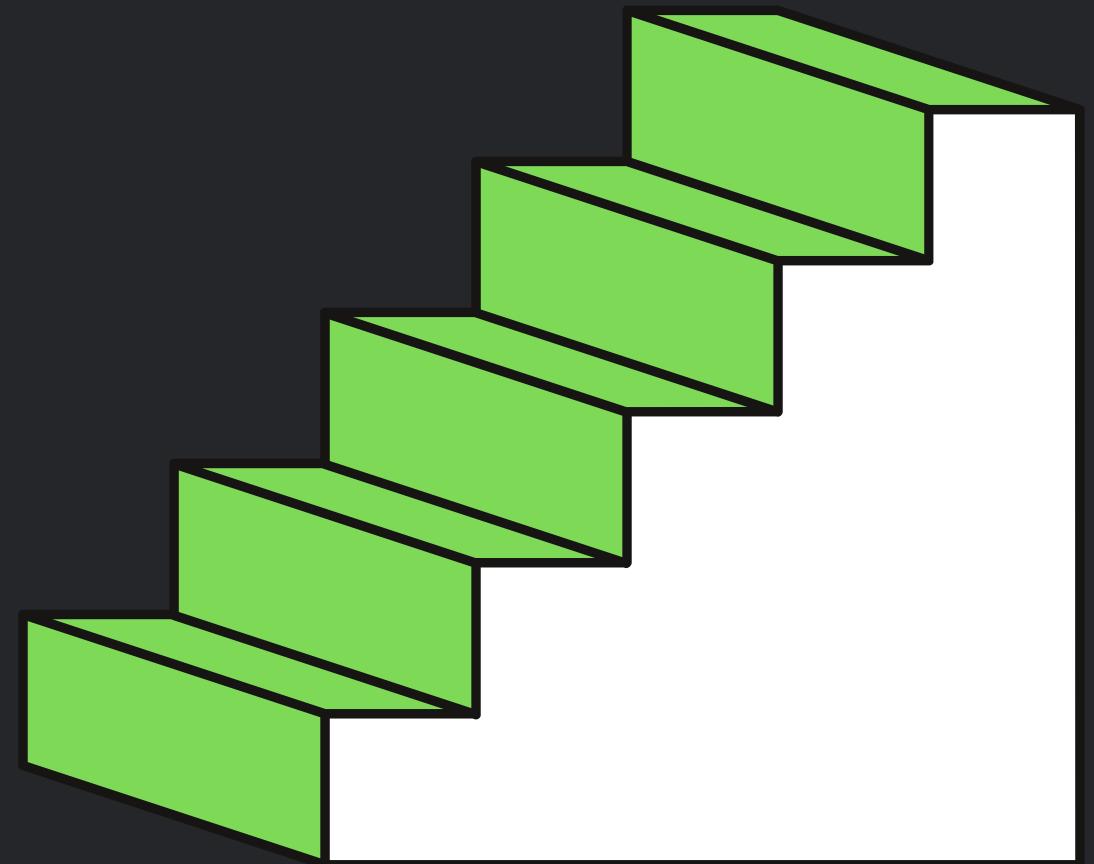
Organization



Group

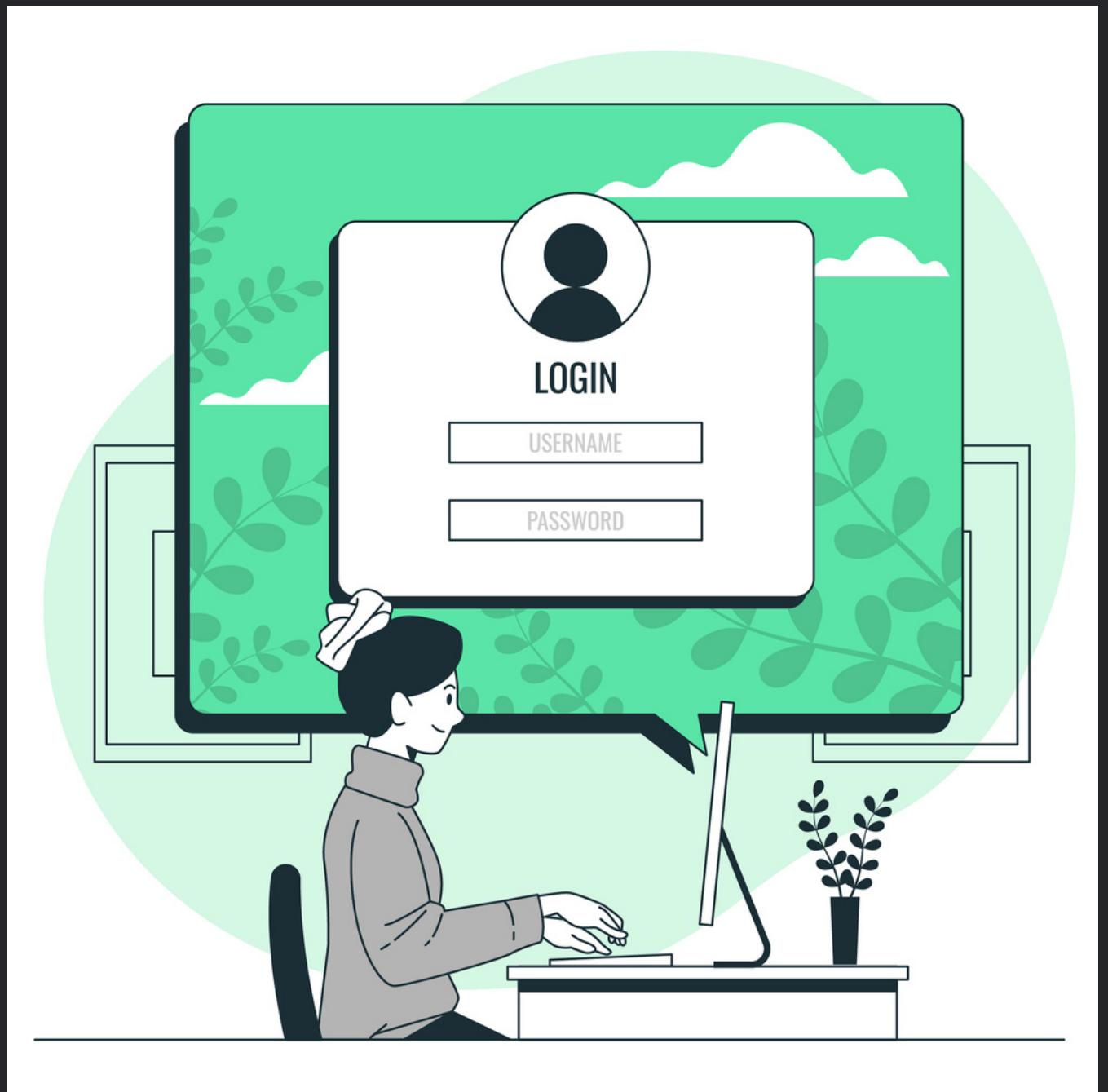


Personal



Why ??

- Prevent attacks on system (**Organization**)
- Prevent unwanted data breach
- Be prepared for Cyber wars
- Privacy (**/etc/passwd**)
- Job opportunities. (**Hot Topic**)





How to start ??



CTFtime.org / All about CTF (Capture The Flag)

Capture The Flag, CTF teams, CTF ratings, CTF archive, CTF writeups

» CTFtime /



Ethical Hacking

- Legal, with good intentions and with written permission.
- Finding Vulnerabilities.
- Patch them ALL.

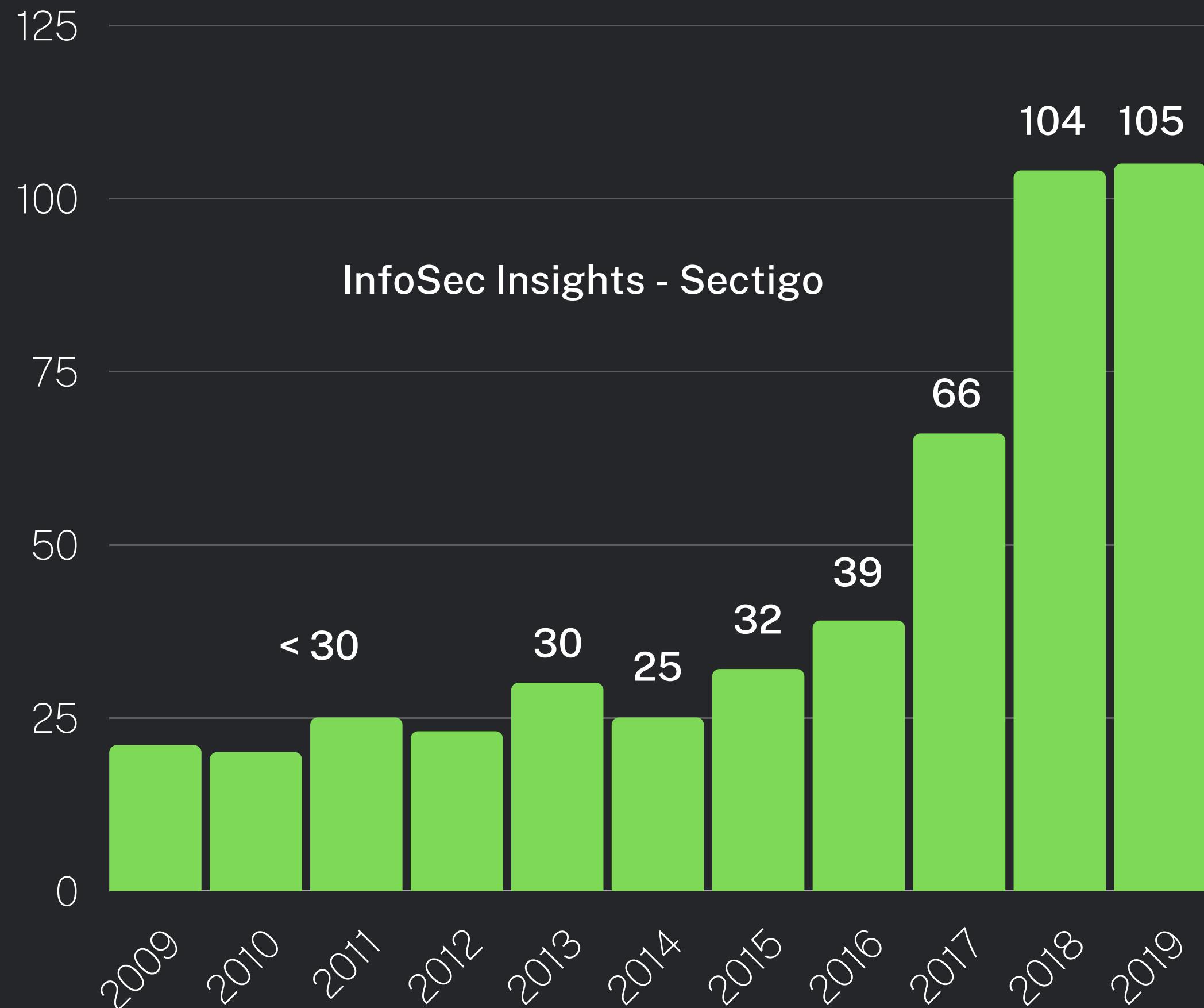


CTF

- Google dorking
- Open source
- Categories, learn with experience

Hacked !!

Let's goo...



Disclaimer

- This knowledge is for educational purposes only
- Only attack the lab machines and nothing outside the scope
- I will not be responsible for the damage caused ☠

Cyber threats :

Phishing

DDOS

MITM attack

Injections

Spoofing

Malware

Snooping

Social Engineering

Threats and opportunities

```
└──(ckc9759㉿Kali)-[~/Desktop/ctf]  
└─$ grep "Attack"
```

- **Attack on NASA by a 15 %.**
- **Sony Pictures Hack - Guardians of Peace**
- **Adobe Cyber Attack, 38 million users**
- **WannaCry Ransomware, 2017**

```
└──(ckc9759㉿Kali)-[~/Desktop/ctf]  
└─$ grep "Opportunities"
```

- **Security Architect**
- **Vulnerability researcher**
- **Penetration Tester**
- **Threat analyst**
- **Cyber security manager**

Questions ??

What are your perspectives?
Feedback?

- Love it? Hate it?
- What did you like? What you didn't?
- How can we make it better?
- What else would you like to include?



Quote

“It takes 20 years to build a reputation and few minutes of cyber-incident to ruin it.”

- Stephen Nappo



Rating

Feel free to connect

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Thank you all !!