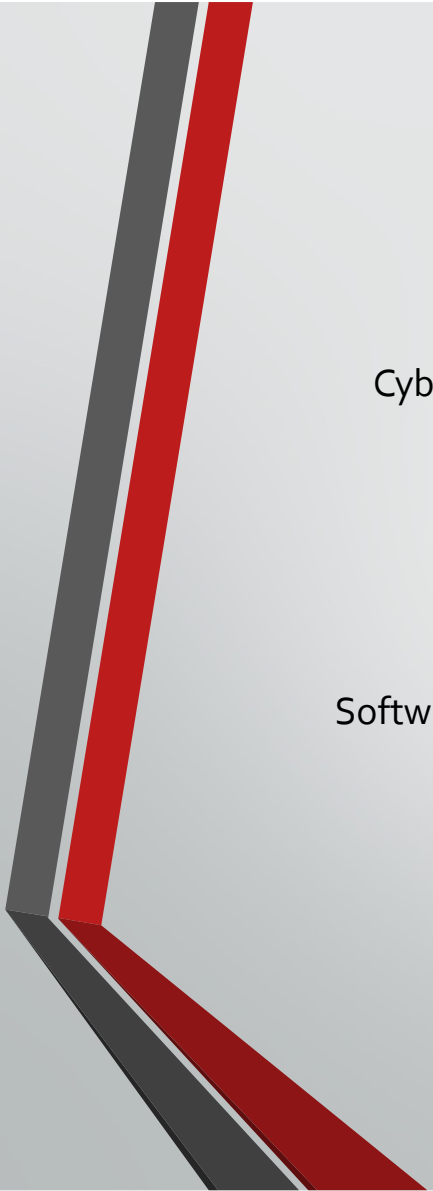# Welcome

What do we do?

- Develop cyber security knowledge and skills

- Share resources and practice problems together

- Weekly workshops (hopefully)

- Guest lectures by Industry Professionals

- Take part in CTF competitions

- Discuss all things cybersecurity.

What is cybersecurity?

Web Application Security

Cyber Forensics

Cryptography

Software Security

Reverse Engineering

Network Security

Structure of workshops

- Choose a topic to focus on for the workshop

- General open discussion of ideas/concepts

- Demonstrate walk through of a problem

- Spend time working on problems in groups

What is CTF?

- Many of the skills we learn and practise are illegal
- Its still important to practise and learn though
- We play CTFs!

Some of our favourites

- Hack The Box: hackthebox.eu – boot2root penetration testing challenges

- Root Me: root-me.org – wargames

- WeChall – wechall.net – a central directory of a huge number of CTF sites!

Where do I even start?

- Be ready to spend a lot of time learning.

- Familiarise yourself with the tools of the trade

Kali Linux

- Penetration testing Linux distribution maintained by Offensive Security
- Curated set of tools that are useful in the cyber security arena

How do I install it?

- Kali Linux is an operating system.

- You can install it natively, but you're much more likely to want to run it as a virtual machine.

- Pre installed virtual machine images are available for download on the kali website (so you don't even have to go through the OS installation process)

- https://www.kali.org/downloads/

Virtualisation Software

- VMware – Paid, but can access license through UniMelb

- VirtualBox – Free

- We will be uploading a detailed list of resources to help you get started with this tools

Demo

- HackTheBox Challenge: Help