COS30015 – Lab 2

Reconnaissance & Discovery

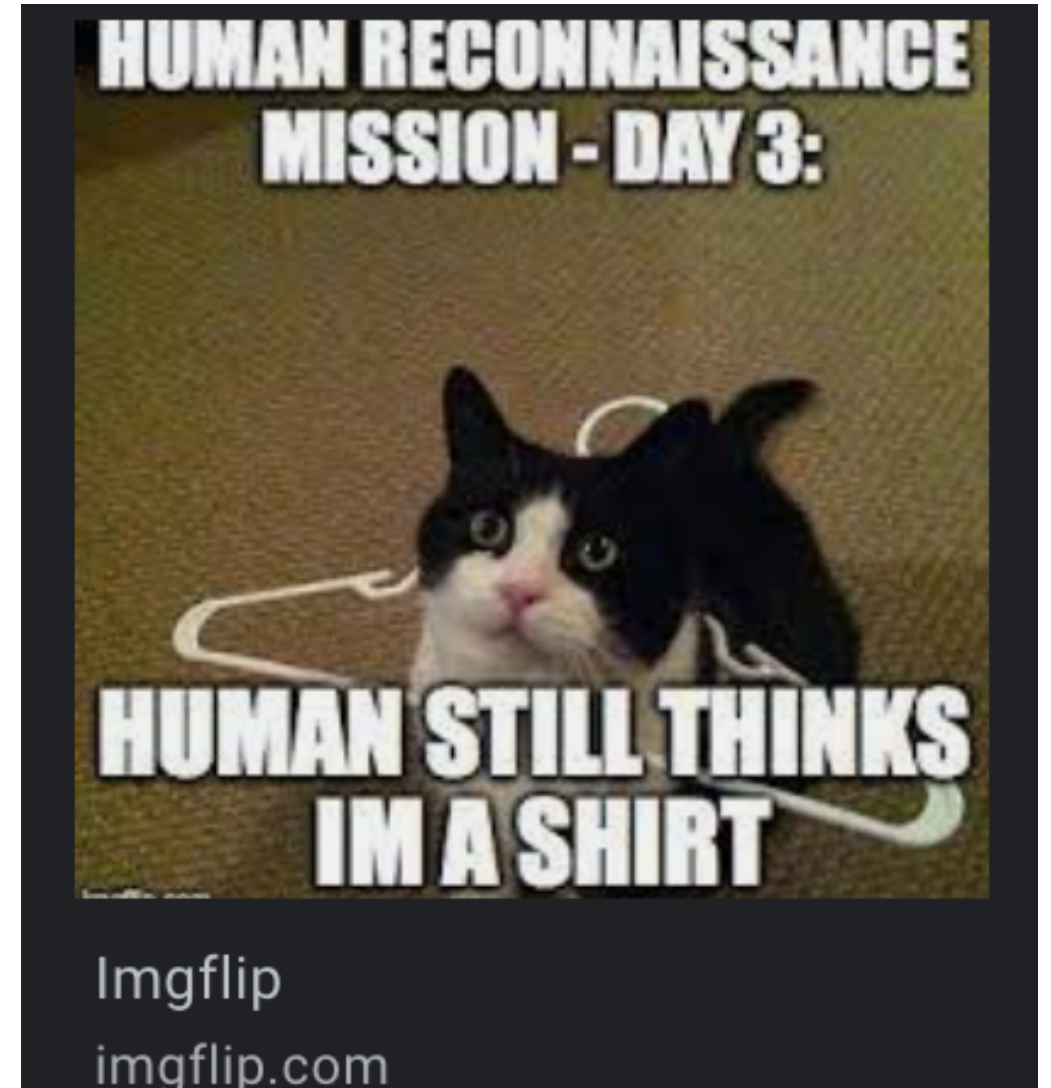**Presented by Jamie Ooi**

Thursday 11 August, 2022

COS30015 IT Security – Lab 2 Background

CySCA – Cyber Security Challenge Australia

> *CySCA is a 'hacking' competition run by an alliance of Australian Government, business and academic professionals who are committed to finding the next generation of Australian cyber security talent – including you!*
>
> *Ref: https://cyberchallenge.com.au/index.htm*

➢ Ran by Australian Signals Directorate (ASD) – Australia's Cyber Security National Committee

➢ CySCA is open to full-time Australian university undergraduates and undergraduate-equivalent TAFE students based in Australia. Each team may contain up to four students, studying full-time at an Australian institution. (https://cyberchallenge.com.au/index.html#thechallenge)

COS30015 IT Security – Lab 2 Background

CySCA – Cyber Security Challenge Australia

CySCA2014-in-a-Box is a Virtual Machine that contains most of the challenges faced by players during the 2014 Cyber Security Challenge. It allows players to complete challenges in their own time, to learn and develop their cyber security skills. The VM includes a static version of the scoring panel with all challenges, required files and flags

➤ These are the challenge categories

Web Application Pentest	Crypto
Corporate Network Pentest	Exploitation
Android Forensics	Shellcode
Random	Network Forensics
Reverse Engineering	Mad Coding Skillz

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COS30015 IT Security – Lab 2 Background

Information Gathering – Discovery, Reconnaissance and "Footprinting"

This is the first step for all penetration tests, regardless of the target technology

This will also be what takes up the most time
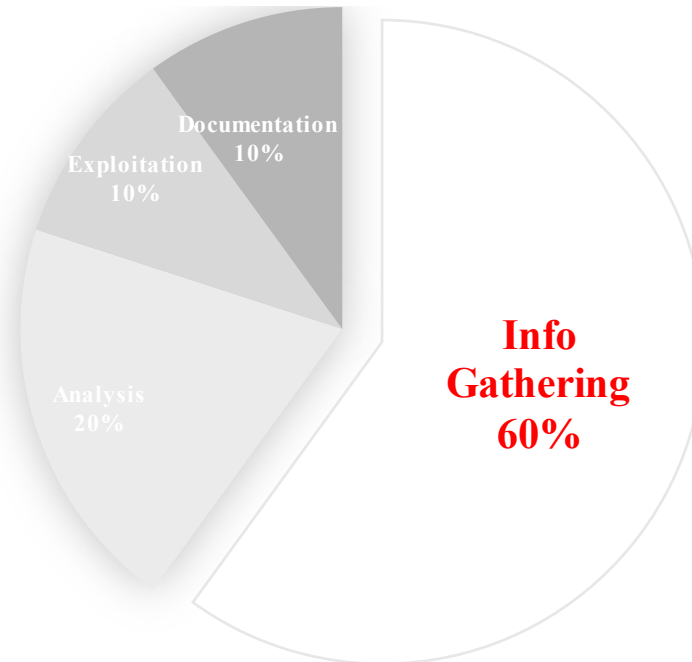
COS30015 IT Security – Lab 2 Background

Fingerprinting the Target

➤ What are the vulnerabilities available on the target system that can help me achieve my goal

➤ **What can I hack?**
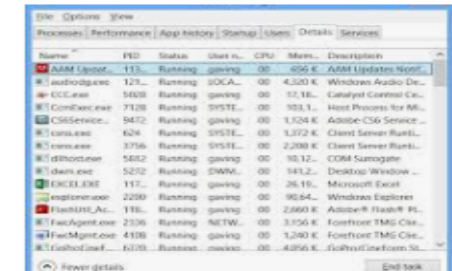

What is its address

Yellow pages - Wikipedia
en.wikipedia.org
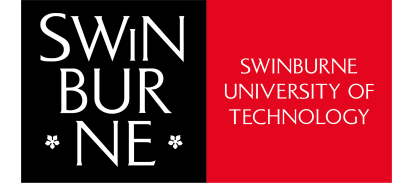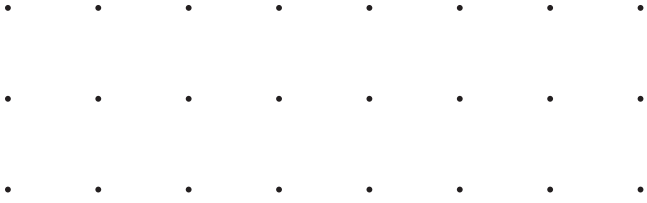

What ports & services are available

What is Discord | A Guide for Parents ...
discord.com

What software versions are these services

Windows 8 Task Manager In-Depth ...
blogs.windows.com

Questions ?

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Thursday 11 August, 2022