

# COS30015 – Lab 1

## Basic Linux Commands

Presented by Jamie Ooi

Thursday 04 August, 2022



# COS30015 IT Security – Lab 1 Background

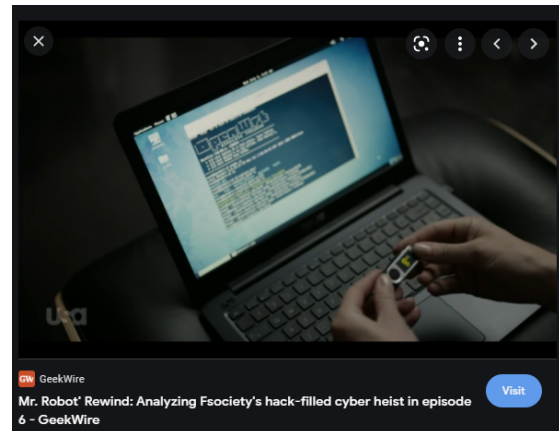
## Linux Operating System – Foundations

- Linux is an Open-Source Operating System – Debian, Ubuntu, Fedora, Red Hat
- Most penetration test tools only run on Linux
- Linux also has many useful tools built into its library
- Being comfortable with performing basic commands and operations on Linux is a must as a penetration tester

*When you see “hackers” typing random commands into a window with a black background ... Linux!*



Source: <https://www.hackingtruth.in/2020/06/fsociety-hacking-tools-mr-robot-pack.html>



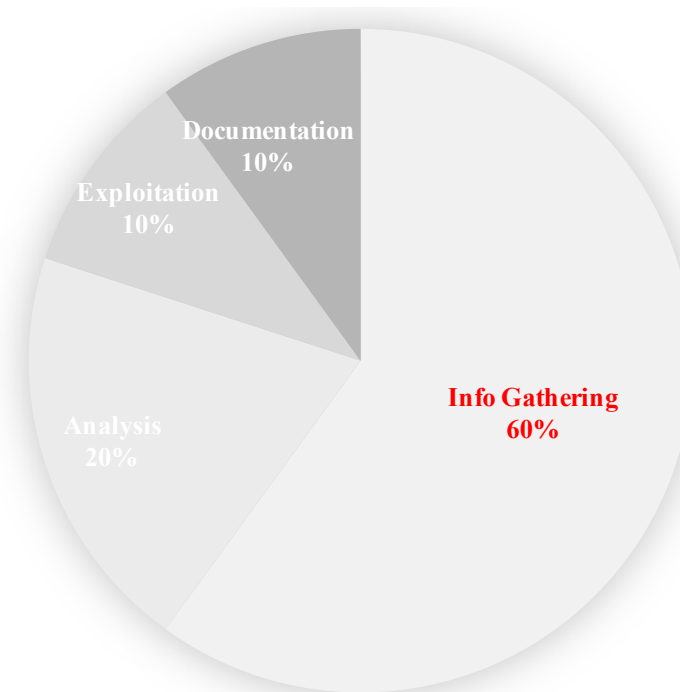
Source: <https://www.geekwire.com/2016/mr-robot-rewind-analyzing-fsociety-s-hack-filled-cyber-heist-episode-6/>

# COS30015 IT Security – Lab 1 Background

## Information Gathering – Discovery, Reconnaissance and “Footprinting”

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

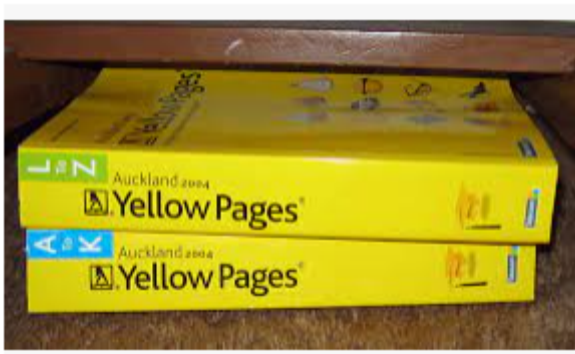
*This will also be what takes up the most time*



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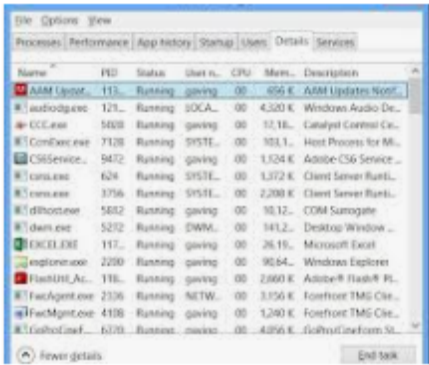
## Information Gathering – Discovery, Reconnaissance and “Footprinting”

`ls -la`



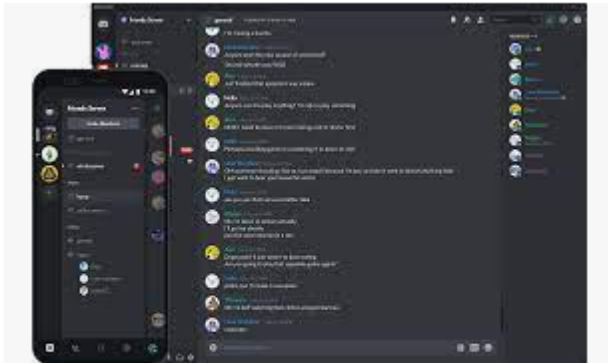
Yellow pages - Wikipedia  
[en.wikipedia.org](https://en.wikipedia.org)

`ps -aux`



Windows 8 Task Manager In-Depth ...  
[blogs.windows.com](https://blogs.windows.com)

`netstat -antp`



What is Discord | A Guide for Parents ...  
[discord.com](https://discord.com)



***I HAVE TO TELL YOU  
ABOUT THE FUTURE!***



# COS30015 IT Security – Your Responsibilities

## ☐ ***LEARN AS MUCH AS YOU CAN – MAKE THE MOST OF YOUR TIME***

### ☐ ***Read the Unit Space***

*Everything you need to know about this unit*

### ☐ ***Watch Live Online Lecture***

### ☐ ***Attend Pre-recorded Online Lecture***

*This one is pre-recorded, watch it at your own time some time during the week, come to the next online lecture. or tutorial with questions if any*

### ☐ ***Attend Tutorial***

*This will probably be the most useful part of the course, try to get the best worth of your time and really understand the whys and inner-workings of what we are doing*

### ☐ ***Reach Out with Questions, Advice etc***

*Only after you've tried your hardest, because it's in trial and error that we remember and truly understand what we learn. But I'm happy to provide any advice on IT security*

# COS30015 IT Security – My Responsibilities

- ❑ ***Help you get ready for the real world***

*Provide practical advice and guidance on knowledge and skillsets that are relevant in the real world*

- ❑ ***Answer tutorial material related questions***

*Any questions on the unit, please direct them to Lin (your lecturer)*

- ❑ ***Provide real world advice on IT security and profession***

*Feel free to hit me up if you want to grab a coffee and talk pentesting or career advice*

- ❑ ***Provide timely advice***

*I'm a consultant outside of Uni, teaching is something that I'm passionate about. I will strive to provide you with a response within 24 hours on week days.*



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# COS30015 IT Security – Weekly Tutorials

1. *Discuss last week's tutorial / questions*
2. *Go through a brief of what this tutorial is about*
3. *Hack the planet!*
4. *Try your best!*
5. *Ask for help.*
6. *Live demo*
7. *Pack up and go home*



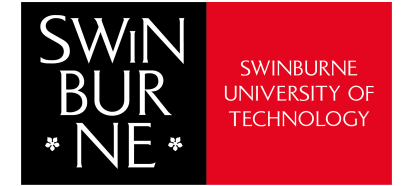


# COS30015 IT Security – Assessments

- Assignment 1 will be released in Week 2
- Assignment 2 will be released in Week 7
- Lab Quiz will be conducted Week 7
- More to come -TBA

1. Research project	Individual	40%
2. Online Quiz	Individual	20%
3. Practical project	Individual	40%





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