

# COMP 7005

## Assignment 3

### User Guide

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## Purpose

- Build a basic port scanner that mimics the behaviour of hping3 using scapy. This scanning technique is known as a TCP SYN scan and is commonly used because it provides basic information about the target's services without fully opening a TCP connection.

## Installing

git clone [https://github.com/towelie03/7005\\_scapy\\_crafting.git](https://github.com/towelie03/7005_scapy_crafting.git)

## Running

Open terminal and run:

```
$ python port_scanner.py 192.168.1.10 --start 20 --end 80  
--delay 100
```

## Environment Variables

NA

## Configuration

Variable	Purpose
-h	Prints helps message
ip	Target IP to scan on
-s (--start)	Target port to start scan on
-e (--end)	Target port to end scan on

-d (--delay)	The delay between each scan converted from milliseconds to seconds
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