

# COMP 7003

## Assignment 2

### User Guide

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# Purpose

- Captures packets and parses the headers of the packets based on user-created filters.

# Installing

## Obtaining

```
git clone  
https://github.com/RealGoldenGeneral/Comp7003Assignment2.git
```

## Building

```
cd  
python -m venv source  
source source/bin/activate  
python -m pip install scapy
```

## Running

```
python main.py
```

## Environment Variables

The following environment variables alter the behaviour of main:

Variable	Purpose

## Configuration

The following configuration values can be set in <file>:

Variable	Purpose

## Command Line Arguments

The following configuration values can be set in <file>:

Variable	Purpose
interface	The interface a packet will be captured from
capture_filter	The filter the program will use. Also affects the type of packets that will be captured
packet_count	The amount of packets that will be captured

## Examples