

Codelist with description

File: **Main.py**

Description: This file is responsible for the script that is run to generate the addresses from a given access point. The results will be stored under ‘./results’ directory locally.

File: **README.md**

Description: This file goes over the project goals and approach that we took as a group. Also detailed here are one-time operations run to set up the virtual environment.

File: **Dependencies.txt**

Description: This file holds all the dependencies (with their versions) used to run the scripts.

File: **Result.py**

Description: This file is responsible for printing each instance of the current IP address. It compiles and places the results inside of the **Results** folder.

File: **Trace.py**

Description: This file is responsible for the script that sends packets and receives a reply in turn. The route is traced and the IP address is printed.

File: **Topology.py**

Description: This python holds the code in charge of creating the topological mapping of the IP addresses.

Folder: **Result**

Description: This folder holds all the IP scans from each of the highlighted locations on Howard University’s campus.

Folder: **venv**

Description: This folder is responsible for all the virtual environment setup within the terminal.