

- NetworkX.py, this file reads traceroute results from a file, extracts the network topology information, and creates a topology graph using the NetworkX library, then visualizes the graph using Matplotlib.
- README.md, description of what the project is for
- automate.py, this file performs the traceroute operations to a range of IP addresses and saves the results in a JSON file.
- testing.py, this file performs custom traceroutes to a wide range of public and private IP addresses using multithreading, saving the results in a JSON file, and is primarily intended for testing the traceroute function (with the network function yet to be removed).
- traceroute_results1.json, all ip addresses collected when Amir ran the code in LKD
- traceroute_resultsKamrynFounders.json, all ip addresses collected when Kamryn ran the code in Founders
- traceroute_results KamrynSOB.json, all ip addresses collected when Kamryn ran the code in SOB
- traceroute_results KamrynBlackburn.json, all ip addresses collected when Kamryn ran the code in Blackburn
- traceroute_results KamrynMackey.json, all ip addresses collected when Kamryn ran the code in Mackey
- traceroute_results_AshleyUGL.json, all the ip addresses collected when Ashley ran the code in UGL
- traceroute_results_AshleyHSL.json, all the ip addresses collected when Ashley ran the code in HSL
- traceroute_results_AshleyDouglas.json, all the ip addresses collected when Ashley ran the code in Douglas
- traceroute_results_CourtSOSW.json, all the ip addresses collected when Courtney ran the code in School of Social Work