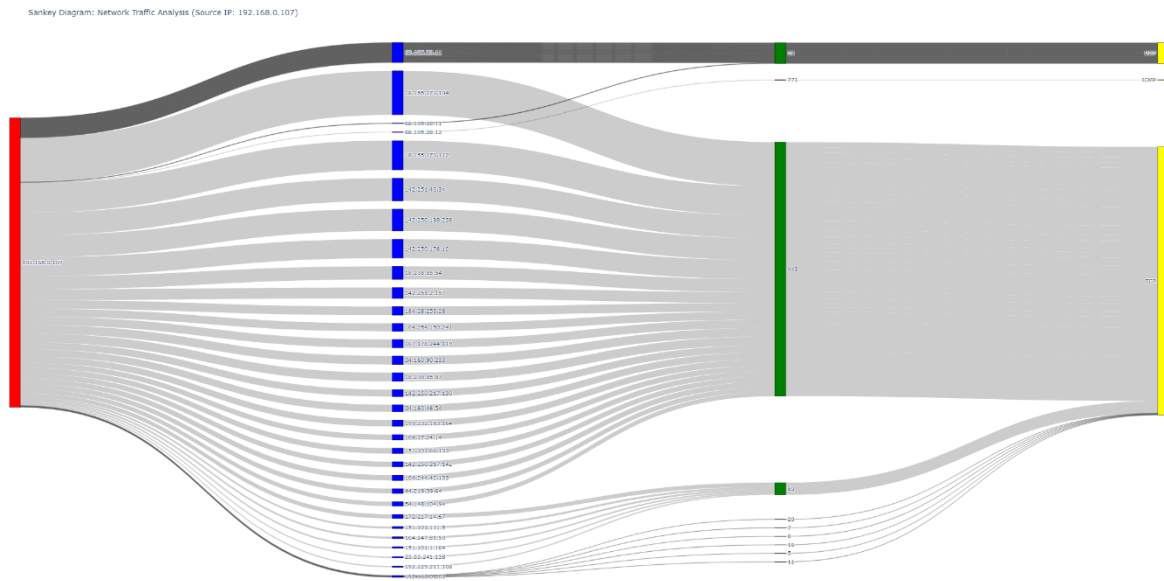


Project 4 – Sankey Diagram

Jack Sharkey

For this project I had VM on my laptop (192.168.0.107) scan internet connected VM on my desktop (192.168.0.203) for 20 open ports from 5-25. At the same time, I visited 5 websites after clearing DNS cache on my laptop. I then wrote a script to generate 100 random flows from the netflows collected during this 5 minute window.

Sankey Diagram Snapshot:



Steps to generate diagram:

I wrote a script that will parse the file `random_flows.csv` that was generated by `random_script.py` – the script that generated the 100 random flows. It reads the flows into a pandas dataframe and then uses `plotly graph_objects` to generate a Sankey diagram from the data. You can reproduce this snapshot simply by running the `GenerateSankey.py` script with the `random_flows.csv` file in the same directory.