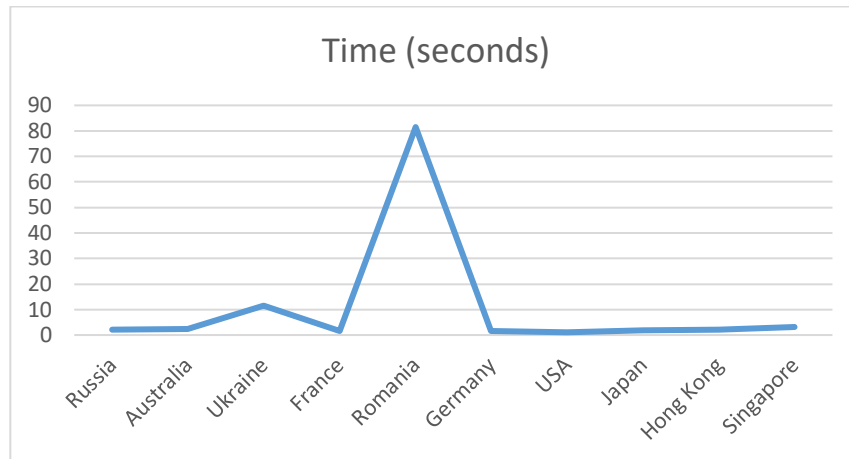


Tor Anonymity Network

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To change Tor circuits 10 times, I change the exit node location of each circuit before connecting to www.cmu.edu. Averagely, each connection with new circuit takes 2 – 3 seconds. However, two of the ten connections takes much longer (11 seconds and 81 seconds). Below histogram captures the test result.



Hidden service does not use HTTPS because Tor hidden services are already end-to-end encrypted and so users do not need to reply on certificate authorities in SSL connections.

To change Tor circuits 10 times, I change the exit node location of each circuit each time. On average, each hidden service connection with new circuit takes 5 – 6 seconds, each tor connection with new circuit takes 2– 3 seconds, while each non-tor connection with new circuit takes about 0.005 seconds.

However, there is a critical value in the tor connections (11 seconds). Below histogram captures the test result.

