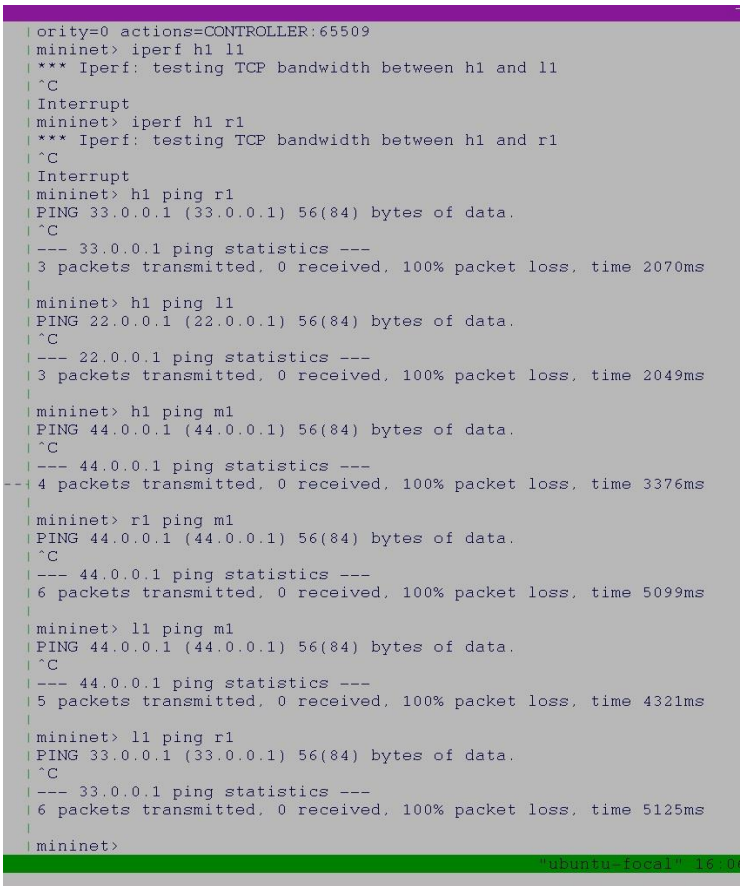


*Figure !. iperf network performance test of original application.*

To test network performance the iperf tool was selected to measure bandwidth.
I had difficulty with the SDN-cockpit environment however for future testing I would use iperf to set server – clients and run both sequential and parallel tests and varying numbers of sessions to record the bandwidth available under differing conditions.

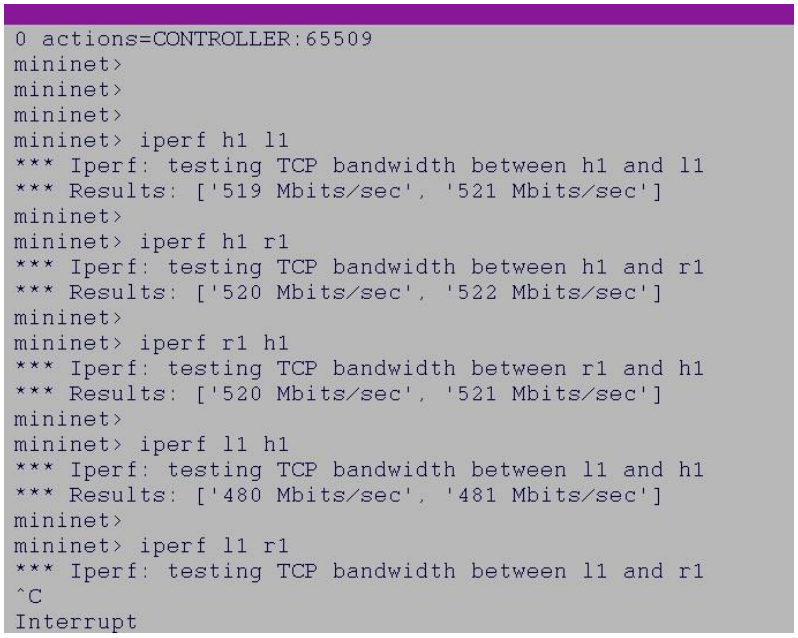


*Figure 2. iperf network performance test of solution application, though not shown m1 communications are dropped.*

Figure 2 demonstrates that the connectivity discussed in the brief has been established, public network m1 reacts the same as patient records and patient networks (r1 and l1) as such when testing the TCP bandwidth the results are between 480 – 520 Mbits/s whereas figure 1 iperf tests failed to complete.