

## 14740 Homework 2

1. Connectivity test between all the hosts by sending 10 ping messages between each other.

Result of host h1 (10.0.0.1) ping host h2 (ip: 10.0.0.2 )

PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.

64 bytes from 10.0.0.2: icmp\_seq=1 ttl=64 time=1007 ms

64 bytes from 10.0.0.2: icmp\_seq=2 ttl=64 time=2.36 ms

64 bytes from 10.0.0.2: icmp\_seq=3 ttl=64 time=2.27 ms

64 bytes from 10.0.0.2: icmp\_seq=4 ttl=64 time=2.34 ms

64 bytes from 10.0.0.2: icmp\_seq=5 ttl=64 time=2.48 ms

64 bytes from 10.0.0.2: icmp\_seq=6 ttl=64 time=2.37 ms

64 bytes from 10.0.0.2: icmp\_seq=7 ttl=64 time=2.21 ms

64 bytes from 10.0.0.2: icmp\_seq=9 ttl=64 time=2.43 ms

64 bytes from 10.0.0.2: icmp\_seq=10 ttl=64 time=2.46 ms

--- 10.0.0.2 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9024ms

rtt min/avg/max/mdev = 2.217/114.096/1007.909/316.010 ms, pipe 2

Result of host h1 (10.0.0.1) ping host h3 (ip: 10.0.0.3 )

PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.

64 bytes from 10.0.0.3: icmp\_seq=1 ttl=64 time=12.5 ms

64 bytes from 10.0.0.3: icmp\_seq=2 ttl=64 time=4.68 ms

64 bytes from 10.0.0.3: icmp\_seq=3 ttl=64 time=4.68 ms

64 bytes from 10.0.0.3: icmp\_seq=4 ttl=64 time=4.33 ms

64 bytes from 10.0.0.3: icmp\_seq=5 ttl=64 time=4.29 ms  
64 bytes from 10.0.0.3: icmp\_seq=6 ttl=64 time=4.09 ms  
64 bytes from 10.0.0.3: icmp\_seq=7 ttl=64 time=5.18 ms  
64 bytes from 10.0.0.3: icmp\_seq=8 ttl=64 time=4.56 ms  
64 bytes from 10.0.0.3: icmp\_seq=9 ttl=64 time=4.14 ms  
64 bytes from 10.0.0.3: icmp\_seq=10 ttl=64 time=4.40 ms

--- 10.0.0.3 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9013ms

rtt min/avg/max/mdev = 4.097/5.292/12.537/2.433 ms

Result of host h1 (10.0.0.1) ping host h4 (ip: 10.0.0.4 )

PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

64 bytes from 10.0.0.4: icmp\_seq=1 ttl=64 time=30.3 ms  
64 bytes from 10.0.0.4: icmp\_seq=2 ttl=64 time=11.1 ms  
64 bytes from 10.0.0.4: icmp\_seq=3 ttl=64 time=10.6 ms  
64 bytes from 10.0.0.4: icmp\_seq=4 ttl=64 time=10.3 ms  
64 bytes from 10.0.0.4: icmp\_seq=5 ttl=64 time=11.1 ms  
64 bytes from 10.0.0.4: icmp\_seq=6 ttl=64 time=10.8 ms  
64 bytes from 10.0.0.4: icmp\_seq=8 ttl=64 time=11.2 ms  
64 bytes from 10.0.0.4: icmp\_seq=9 ttl=64 time=10.4 ms  
64 bytes from 10.0.0.4: icmp\_seq=10 ttl=64 time=10.4 ms

--- 10.0.0.4 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9018ms

rtt min/avg/max/mdev = 10.370/12.956/30.342/6.155 ms

Result of host h1 (10.0.0.1) ping host h5 (ip: 10.0.0.5 )

PING 10.0.0.5 (10.0.0.5) 56(84) bytes of data.

64 bytes from 10.0.0.5: icmp\_seq=1 ttl=64 time=28.1 ms

64 bytes from 10.0.0.5: icmp\_seq=2 ttl=64 time=11.6 ms

64 bytes from 10.0.0.5: icmp\_seq=3 ttl=64 time=11.6 ms

64 bytes from 10.0.0.5: icmp\_seq=4 ttl=64 time=10.8 ms

64 bytes from 10.0.0.5: icmp\_seq=5 ttl=64 time=10.6 ms

64 bytes from 10.0.0.5: icmp\_seq=6 ttl=64 time=10.8 ms

64 bytes from 10.0.0.5: icmp\_seq=8 ttl=64 time=11.0 ms

64 bytes from 10.0.0.5: icmp\_seq=9 ttl=64 time=11.1 ms

64 bytes from 10.0.0.5: icmp\_seq=10 ttl=64 time=10.5 ms

--- 10.0.0.5 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9011ms

rtt min/avg/max/mdev = 10.528/12.963/28.194/5.400 ms

Result of host h1 (10.0.0.1) ping host h6 (ip: 10.0.0.6 )

PING 10.0.0.6 (10.0.0.6) 56(84) bytes of data.

64 bytes from 10.0.0.6: icmp\_seq=1 ttl=64 time=34.3 ms

64 bytes from 10.0.0.6: icmp\_seq=2 ttl=64 time=13.0 ms

64 bytes from 10.0.0.6: icmp\_seq=3 ttl=64 time=13.1 ms  
64 bytes from 10.0.0.6: icmp\_seq=5 ttl=64 time=13.7 ms  
64 bytes from 10.0.0.6: icmp\_seq=6 ttl=64 time=13.3 ms  
64 bytes from 10.0.0.6: icmp\_seq=7 ttl=64 time=14.0 ms  
64 bytes from 10.0.0.6: icmp\_seq=8 ttl=64 time=13.5 ms  
64 bytes from 10.0.0.6: icmp\_seq=9 ttl=64 time=13.3 ms  
64 bytes from 10.0.0.6: icmp\_seq=10 ttl=64 time=13.4 ms

--- 10.0.0.6 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9022ms  
rtt min/avg/max/mdev = 13.076/15.784/34.364/6.576 ms

Result of host h1 (10.0.0.1) ping host h7 (ip: 10.0.0.7 )

PING 10.0.0.7 (10.0.0.7) 56(84) bytes of data.

64 bytes from 10.0.0.7: icmp\_seq=1 ttl=64 time=80.5 ms  
64 bytes from 10.0.0.7: icmp\_seq=2 ttl=64 time=32.5 ms  
64 bytes from 10.0.0.7: icmp\_seq=3 ttl=64 time=33.4 ms  
64 bytes from 10.0.0.7: icmp\_seq=4 ttl=64 time=33.5 ms  
64 bytes from 10.0.0.7: icmp\_seq=5 ttl=64 time=32.5 ms  
64 bytes from 10.0.0.7: icmp\_seq=6 ttl=64 time=33.0 ms  
64 bytes from 10.0.0.7: icmp\_seq=7 ttl=64 time=35.0 ms  
64 bytes from 10.0.0.7: icmp\_seq=8 ttl=64 time=32.7 ms  
64 bytes from 10.0.0.7: icmp\_seq=9 ttl=64 time=32.7 ms  
64 bytes from 10.0.0.7: icmp\_seq=10 ttl=64 time=33.3 ms

--- 10.0.0.7 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9014ms

rtt min/avg/max/mdev = 32.516/37.948/80.558/14.221 ms

Result of host h1 (10.0.0.1) ping host h8 (ip: 10.0.0.8 )

PING 10.0.0.8 (10.0.0.8) 56(84) bytes of data.

64 bytes from 10.0.0.8: icmp\_seq=1 ttl=64 time=78.4 ms

64 bytes from 10.0.0.8: icmp\_seq=2 ttl=64 time=34.5 ms

64 bytes from 10.0.0.8: icmp\_seq=3 ttl=64 time=33.7 ms

64 bytes from 10.0.0.8: icmp\_seq=4 ttl=64 time=34.8 ms

64 bytes from 10.0.0.8: icmp\_seq=5 ttl=64 time=32.8 ms

64 bytes from 10.0.0.8: icmp\_seq=6 ttl=64 time=32.5 ms

64 bytes from 10.0.0.8: icmp\_seq=7 ttl=64 time=34.2 ms

64 bytes from 10.0.0.8: icmp\_seq=8 ttl=64 time=33.4 ms

64 bytes from 10.0.0.8: icmp\_seq=9 ttl=64 time=35.8 ms

64 bytes from 10.0.0.8: icmp\_seq=10 ttl=64 time=33.6 ms

--- 10.0.0.8 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9018ms

rtt min/avg/max/mdev = 32.570/38.428/78.497/13.388 ms

Result of host h2 (10.0.0.2) ping host h1 (ip: 10.0.0.1 )

PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.

64 bytes from 10.0.0.1: icmp\_seq=1 ttl=64 time=5.11 ms

64 bytes from 10.0.0.1: icmp\_seq=2 ttl=64 time=2.62 ms

64 bytes from 10.0.0.1: icmp\_seq=3 ttl=64 time=3.48 ms

64 bytes from 10.0.0.1: icmp\_seq=4 ttl=64 time=2.28 ms

64 bytes from 10.0.0.1: icmp\_seq=5 ttl=64 time=3.16 ms

64 bytes from 10.0.0.1: icmp\_seq=6 ttl=64 time=2.79 ms

64 bytes from 10.0.0.1: icmp\_seq=7 ttl=64 time=2.59 ms

64 bytes from 10.0.0.1: icmp\_seq=8 ttl=64 time=2.19 ms

64 bytes from 10.0.0.1: icmp\_seq=9 ttl=64 time=2.15 ms

64 bytes from 10.0.0.1: icmp\_seq=10 ttl=64 time=2.70 ms

--- 10.0.0.1 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9012ms

rtt min/avg/max/mdev = 2.155/2.910/5.113/0.837 ms

Result of host h2 (10.0.0.2) ping host h3 (ip: 10.0.0.3 )

PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.

64 bytes from 10.0.0.3: icmp\_seq=1 ttl=64 time=18.3 ms

64 bytes from 10.0.0.3: icmp\_seq=3 ttl=64 time=6.95 ms

64 bytes from 10.0.0.3: icmp\_seq=4 ttl=64 time=6.58 ms

64 bytes from 10.0.0.3: icmp\_seq=5 ttl=64 time=8.02 ms

64 bytes from 10.0.0.3: icmp\_seq=6 ttl=64 time=6.37 ms

64 bytes from 10.0.0.3: icmp\_seq=7 ttl=64 time=7.78 ms

64 bytes from 10.0.0.3: icmp\_seq=8 ttl=64 time=6.70 ms

64 bytes from 10.0.0.3: icmp\_seq=9 ttl=64 time=6.59 ms

64 bytes from 10.0.0.3: icmp\_seq=10 ttl=64 time=6.83 ms

--- 10.0.0.3 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9020ms

rtt min/avg/max/mdev = 6.375/8.243/18.329/3.605 ms

Result of host h2 (10.0.0.2) ping host h4 (ip: 10.0.0.4 )

PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

64 bytes from 10.0.0.4: icmp\_seq=1 ttl=64 time=22.7 ms

64 bytes from 10.0.0.4: icmp\_seq=2 ttl=64 time=8.73 ms

64 bytes from 10.0.0.4: icmp\_seq=3 ttl=64 time=8.99 ms

64 bytes from 10.0.0.4: icmp\_seq=4 ttl=64 time=9.55 ms

64 bytes from 10.0.0.4: icmp\_seq=5 ttl=64 time=9.37 ms

64 bytes from 10.0.0.4: icmp\_seq=6 ttl=64 time=8.12 ms

64 bytes from 10.0.0.4: icmp\_seq=7 ttl=64 time=9.23 ms

64 bytes from 10.0.0.4: icmp\_seq=8 ttl=64 time=8.51 ms

64 bytes from 10.0.0.4: icmp\_seq=9 ttl=64 time=9.00 ms

64 bytes from 10.0.0.4: icmp\_seq=10 ttl=64 time=8.85 ms

--- 10.0.0.4 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9013ms

rtt min/avg/max/mdev = 8.120/10.309/22.718/4.156 ms

Result of host h2 (10.0.0.2) ping host h5 (ip: 10.0.0.5 )

PING 10.0.0.5 (10.0.0.5) 56(84) bytes of data.

64 bytes from 10.0.0.5: icmp\_seq=1 ttl=64 time=21.7 ms

64 bytes from 10.0.0.5: icmp\_seq=2 ttl=64 time=8.71 ms

64 bytes from 10.0.0.5: icmp\_seq=3 ttl=64 time=8.74 ms

64 bytes from 10.0.0.5: icmp\_seq=4 ttl=64 time=8.18 ms

64 bytes from 10.0.0.5: icmp\_seq=5 ttl=64 time=9.30 ms

64 bytes from 10.0.0.5: icmp\_seq=6 ttl=64 time=9.49 ms

64 bytes from 10.0.0.5: icmp\_seq=7 ttl=64 time=9.19 ms

64 bytes from 10.0.0.5: icmp\_seq=8 ttl=64 time=8.13 ms

64 bytes from 10.0.0.5: icmp\_seq=9 ttl=64 time=8.66 ms

64 bytes from 10.0.0.5: icmp\_seq=10 ttl=64 time=8.79 ms

--- 10.0.0.5 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9012ms

rtt min/avg/max/mdev = 8.134/10.094/21.708/3.893 ms

Result of host h2 (10.0.0.2) ping host h6 (ip: 10.0.0.6 )

PING 10.0.0.6 (10.0.0.6) 56(84) bytes of data.

64 bytes from 10.0.0.6: icmp\_seq=1 ttl=64 time=38.1 ms

64 bytes from 10.0.0.6: icmp\_seq=2 ttl=64 time=16.6 ms

64 bytes from 10.0.0.6: icmp\_seq=3 ttl=64 time=16.1 ms



64 bytes from 10.0.0.6: icmp\_seq=4 ttl=64 time=15.4 ms  
64 bytes from 10.0.0.6: icmp\_seq=6 ttl=64 time=16.6 ms  
64 bytes from 10.0.0.6: icmp\_seq=8 ttl=64 time=15.4 ms  
64 bytes from 10.0.0.6: icmp\_seq=9 ttl=64 time=14.7 ms  
64 bytes from 10.0.0.6: icmp\_seq=10 ttl=64 time=14.6 ms

--- 10.0.0.6 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9018ms  
rtt min/avg/max/mdev = 14.640/18.486/38.181/7.479 ms

Result of host h2 (10.0.0.2) ping host h7 (ip: 10.0.0.7 )

PING 10.0.0.7 (10.0.0.7) 56(84) bytes of data.

64 bytes from 10.0.0.7: icmp\_seq=1 ttl=64 time=83.0 ms  
64 bytes from 10.0.0.7: icmp\_seq=3 ttl=64 time=35.2 ms  
64 bytes from 10.0.0.7: icmp\_seq=5 ttl=64 time=35.9 ms  
64 bytes from 10.0.0.7: icmp\_seq=6 ttl=64 time=37.1 ms  
64 bytes from 10.0.0.7: icmp\_seq=7 ttl=64 time=36.1 ms  
64 bytes from 10.0.0.7: icmp\_seq=8 ttl=64 time=37.2 ms  
64 bytes from 10.0.0.7: icmp\_seq=9 ttl=64 time=35.7 ms  
64 bytes from 10.0.0.7: icmp\_seq=10 ttl=64 time=35.3 ms

--- 10.0.0.7 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9026ms  
rtt min/avg/max/mdev = 35.239/41.968/83.084/15.557 ms

Result of host h2 (10.0.0.2) ping host h8 (ip: 10.0.0.8 )

PING 10.0.0.8 (10.0.0.8) 56(84) bytes of data.

64 bytes from 10.0.0.8: icmp\_seq=1 ttl=64 time=85.6 ms

64 bytes from 10.0.0.8: icmp\_seq=2 ttl=64 time=36.9 ms

64 bytes from 10.0.0.8: icmp\_seq=4 ttl=64 time=35.6 ms

64 bytes from 10.0.0.8: icmp\_seq=6 ttl=64 time=37.0 ms

64 bytes from 10.0.0.8: icmp\_seq=7 ttl=64 time=37.1 ms

64 bytes from 10.0.0.8: icmp\_seq=8 ttl=64 time=36.1 ms

64 bytes from 10.0.0.8: icmp\_seq=9 ttl=64 time=36.3 ms

64 bytes from 10.0.0.8: icmp\_seq=10 ttl=64 time=37.5 ms

--- 10.0.0.8 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9018ms

rtt min/avg/max/mdev = 35.637/42.787/85.610/16.196 ms

Result of host h3 (10.0.0.3) ping host h1 (ip: 10.0.0.1 )

PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.

64 bytes from 10.0.0.1: icmp\_seq=1 ttl=64 time=7.37 ms

64 bytes from 10.0.0.1: icmp\_seq=2 ttl=64 time=4.44 ms

64 bytes from 10.0.0.1: icmp\_seq=3 ttl=64 time=4.61 ms

64 bytes from 10.0.0.1: icmp\_seq=4 ttl=64 time=5.51 ms

64 bytes from 10.0.0.1: icmp\_seq=5 ttl=64 time=4.18 ms

64 bytes from 10.0.0.1: icmp\_seq=6 ttl=64 time=4.53 ms  
64 bytes from 10.0.0.1: icmp\_seq=7 ttl=64 time=5.23 ms  
64 bytes from 10.0.0.1: icmp\_seq=8 ttl=64 time=4.39 ms  
64 bytes from 10.0.0.1: icmp\_seq=9 ttl=64 time=4.58 ms  
64 bytes from 10.0.0.1: icmp\_seq=10 ttl=64 time=4.20 ms

--- 10.0.0.1 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9012ms  
rtt min/avg/max/mdev = 4.188/4.908/7.372/0.919 ms

Result of host h3 (10.0.0.3) ping host h2 (ip: 10.0.0.2 )

PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.

64 bytes from 10.0.0.2: icmp\_seq=1 ttl=64 time=10.3 ms  
64 bytes from 10.0.0.2: icmp\_seq=2 ttl=64 time=7.35 ms  
64 bytes from 10.0.0.2: icmp\_seq=3 ttl=64 time=6.20 ms  
64 bytes from 10.0.0.2: icmp\_seq=4 ttl=64 time=7.27 ms  
64 bytes from 10.0.0.2: icmp\_seq=6 ttl=64 time=6.67 ms  
64 bytes from 10.0.0.2: icmp\_seq=7 ttl=64 time=6.76 ms  
64 bytes from 10.0.0.2: icmp\_seq=8 ttl=64 time=6.85 ms  
64 bytes from 10.0.0.2: icmp\_seq=9 ttl=64 time=6.18 ms  
64 bytes from 10.0.0.2: icmp\_seq=10 ttl=64 time=7.77 ms

--- 10.0.0.2 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9018ms

rtt min/avg/max/mdev = 6.184/7.266/10.305/1.183 ms

Result of host h3 (10.0.0.3) ping host h4 (ip: 10.0.0.4 )

PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

64 bytes from 10.0.0.4: icmp\_seq=1 ttl=64 time=42.3 ms

64 bytes from 10.0.0.4: icmp\_seq=2 ttl=64 time=14.6 ms

64 bytes from 10.0.0.4: icmp\_seq=3 ttl=64 time=14.7 ms

64 bytes from 10.0.0.4: icmp\_seq=4 ttl=64 time=16.5 ms

64 bytes from 10.0.0.4: icmp\_seq=5 ttl=64 time=16.0 ms

64 bytes from 10.0.0.4: icmp\_seq=6 ttl=64 time=15.9 ms

64 bytes from 10.0.0.4: icmp\_seq=7 ttl=64 time=16.3 ms

64 bytes from 10.0.0.4: icmp\_seq=8 ttl=64 time=15.8 ms

64 bytes from 10.0.0.4: icmp\_seq=9 ttl=64 time=16.7 ms

--- 10.0.0.4 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9014ms

rtt min/avg/max/mdev = 14.605/18.795/42.379/8.367 ms

Result of host h3 (10.0.0.3) ping host h5 (ip: 10.0.0.5 )

PING 10.0.0.5 (10.0.0.5) 56(84) bytes of data.

64 bytes from 10.0.0.5: icmp\_seq=1 ttl=64 time=41.8 ms

64 bytes from 10.0.0.5: icmp\_seq=2 ttl=64 time=15.0 ms

64 bytes from 10.0.0.5: icmp\_seq=3 ttl=64 time=14.9 ms

64 bytes from 10.0.0.5: icmp\_seq=4 ttl=64 time=14.8 ms  
64 bytes from 10.0.0.5: icmp\_seq=5 ttl=64 time=15.3 ms  
64 bytes from 10.0.0.5: icmp\_seq=6 ttl=64 time=15.5 ms  
64 bytes from 10.0.0.5: icmp\_seq=7 ttl=64 time=15.7 ms  
64 bytes from 10.0.0.5: icmp\_seq=9 ttl=64 time=14.5 ms  
64 bytes from 10.0.0.5: icmp\_seq=10 ttl=64 time=14.9 ms

--- 10.0.0.5 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9019ms

rtt min/avg/max/mdev = 14.524/18.088/41.843/8.407 ms

Result of host h3 (10.0.0.3) ping host h6 (ip: 10.0.0.6 )

PING 10.0.0.6 (10.0.0.6) 56(84) bytes of data.

64 bytes from 10.0.0.6: icmp\_seq=1 ttl=64 time=21.6 ms  
64 bytes from 10.0.0.6: icmp\_seq=2 ttl=64 time=8.81 ms  
64 bytes from 10.0.0.6: icmp\_seq=3 ttl=64 time=8.84 ms  
64 bytes from 10.0.0.6: icmp\_seq=4 ttl=64 time=8.15 ms  
64 bytes from 10.0.0.6: icmp\_seq=5 ttl=64 time=8.13 ms  
64 bytes from 10.0.0.6: icmp\_seq=6 ttl=64 time=8.62 ms  
64 bytes from 10.0.0.6: icmp\_seq=7 ttl=64 time=9.09 ms  
64 bytes from 10.0.0.6: icmp\_seq=8 ttl=64 time=8.92 ms  
64 bytes from 10.0.0.6: icmp\_seq=9 ttl=64 time=9.28 ms  
64 bytes from 10.0.0.6: icmp\_seq=10 ttl=64 time=8.15 ms

--- 10.0.0.6 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9010ms

rtt min/avg/max/mdev = 8.138/9.969/21.651/3.913 ms

Result of host h3 (10.0.0.3) ping host h7 (ip: 10.0.0.7 )

PING 10.0.0.7 (10.0.0.7) 56(84) bytes of data.

64 bytes from 10.0.0.7: icmp\_seq=1 ttl=64 time=64.1 ms

64 bytes from 10.0.0.7: icmp\_seq=2 ttl=64 time=30.3 ms

64 bytes from 10.0.0.7: icmp\_seq=3 ttl=64 time=30.3 ms

64 bytes from 10.0.0.7: icmp\_seq=4 ttl=64 time=30.6 ms

64 bytes from 10.0.0.7: icmp\_seq=5 ttl=64 time=28.7 ms

64 bytes from 10.0.0.7: icmp\_seq=6 ttl=64 time=28.6 ms

64 bytes from 10.0.0.7: icmp\_seq=7 ttl=64 time=29.6 ms

64 bytes from 10.0.0.7: icmp\_seq=8 ttl=64 time=29.0 ms

64 bytes from 10.0.0.7: icmp\_seq=9 ttl=64 time=29.5 ms

64 bytes from 10.0.0.7: icmp\_seq=10 ttl=64 time=28.5 ms

--- 10.0.0.7 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9013ms

rtt min/avg/max/mdev = 28.525/32.976/64.133/10.410 ms

Result of host h3 (10.0.0.3) ping host h8 (ip: 10.0.0.8 )

PING 10.0.0.8 (10.0.0.8) 56(84) bytes of data.

64 bytes from 10.0.0.8: icmp\_seq=1 ttl=64 time=1067 ms  
64 bytes from 10.0.0.8: icmp\_seq=2 ttl=64 time=68.6 ms  
64 bytes from 10.0.0.8: icmp\_seq=4 ttl=64 time=29.2 ms  
64 bytes from 10.0.0.8: icmp\_seq=5 ttl=64 time=28.2 ms  
64 bytes from 10.0.0.8: icmp\_seq=6 ttl=64 time=28.6 ms  
64 bytes from 10.0.0.8: icmp\_seq=7 ttl=64 time=29.5 ms  
64 bytes from 10.0.0.8: icmp\_seq=9 ttl=64 time=29.5 ms  
64 bytes from 10.0.0.8: icmp\_seq=10 ttl=64 time=29.0 ms

--- 10.0.0.8 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9027ms

rtt min/avg/max/mdev = 28.209/163.741/1067.023/341.654 ms, pipe 2

Result of host h4 (10.0.0.4) ping host h1 (ip: 10.0.0.1 )

PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.

64 bytes from 10.0.0.1: icmp\_seq=1 ttl=64 time=13.1 ms  
64 bytes from 10.0.0.1: icmp\_seq=2 ttl=64 time=11.2 ms  
64 bytes from 10.0.0.1: icmp\_seq=3 ttl=64 time=10.8 ms  
64 bytes from 10.0.0.1: icmp\_seq=4 ttl=64 time=10.4 ms  
64 bytes from 10.0.0.1: icmp\_seq=5 ttl=64 time=10.5 ms  
64 bytes from 10.0.0.1: icmp\_seq=6 ttl=64 time=10.7 ms  
64 bytes from 10.0.0.1: icmp\_seq=7 ttl=64 time=10.8 ms  
64 bytes from 10.0.0.1: icmp\_seq=8 ttl=64 time=10.6 ms  
64 bytes from 10.0.0.1: icmp\_seq=9 ttl=64 time=10.3 ms

64 bytes from 10.0.0.1: icmp\_seq=10 ttl=64 time=10.2 ms

--- 10.0.0.1 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9014ms

rtt min/avg/max/mdev = 10.203/10.919/13.169/0.808 ms

Result of host h4 (10.0.0.4) ping host h2 (ip: 10.0.0.2 )

PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.

64 bytes from 10.0.0.2: icmp\_seq=1 ttl=64 time=11.1 ms

64 bytes from 10.0.0.2: icmp\_seq=2 ttl=64 time=8.35 ms

64 bytes from 10.0.0.2: icmp\_seq=3 ttl=64 time=9.07 ms

64 bytes from 10.0.0.2: icmp\_seq=4 ttl=64 time=8.54 ms

64 bytes from 10.0.0.2: icmp\_seq=5 ttl=64 time=8.95 ms

64 bytes from 10.0.0.2: icmp\_seq=6 ttl=64 time=8.29 ms

64 bytes from 10.0.0.2: icmp\_seq=7 ttl=64 time=9.94 ms

64 bytes from 10.0.0.2: icmp\_seq=8 ttl=64 time=8.98 ms

64 bytes from 10.0.0.2: icmp\_seq=9 ttl=64 time=8.61 ms

64 bytes from 10.0.0.2: icmp\_seq=10 ttl=64 time=8.62 ms

--- 10.0.0.2 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9012ms

rtt min/avg/max/mdev = 8.290/9.052/11.139/0.828 ms



Result of host h4 (10.0.0.4) ping host h3 (ip: 10.0.0.3 )

PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.

64 bytes from 10.0.0.3: icmp\_seq=1 ttl=64 time=21.4 ms

64 bytes from 10.0.0.3: icmp\_seq=2 ttl=64 time=15.6 ms

64 bytes from 10.0.0.3: icmp\_seq=3 ttl=64 time=17.4 ms

64 bytes from 10.0.0.3: icmp\_seq=5 ttl=64 time=14.9 ms

64 bytes from 10.0.0.3: icmp\_seq=6 ttl=64 time=14.8 ms

64 bytes from 10.0.0.3: icmp\_seq=7 ttl=64 time=15.9 ms

64 bytes from 10.0.0.3: icmp\_seq=8 ttl=64 time=16.3 ms

64 bytes from 10.0.0.3: icmp\_seq=9 ttl=64 time=14.2 ms

--- 10.0.0.3 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9011ms

rtt min/avg/max/mdev = 14.256/16.368/21.445/2.127 ms

Result of host h4 (10.0.0.4) ping host h5 (ip: 10.0.0.5 )

PING 10.0.0.5 (10.0.0.5) 56(84) bytes of data.

64 bytes from 10.0.0.5: icmp\_seq=1 ttl=64 time=2.06 ms

64 bytes from 10.0.0.5: icmp\_seq=2 ttl=64 time=0.439 ms

64 bytes from 10.0.0.5: icmp\_seq=3 ttl=64 time=0.415 ms

64 bytes from 10.0.0.5: icmp\_seq=4 ttl=64 time=0.205 ms

64 bytes from 10.0.0.5: icmp\_seq=5 ttl=64 time=0.051 ms

64 bytes from 10.0.0.5: icmp\_seq=6 ttl=64 time=0.117 ms

64 bytes from 10.0.0.5: icmp\_seq=7 ttl=64 time=0.481 ms

64 bytes from 10.0.0.5: icmp\_seq=8 ttl=64 time=0.123 ms

64 bytes from 10.0.0.5: icmp\_seq=9 ttl=64 time=0.572 ms

64 bytes from 10.0.0.5: icmp\_seq=10 ttl=64 time=0.055 ms

--- 10.0.0.5 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 8997ms

rtt min/avg/max/mdev = 0.051/0.451/2.060/0.566 ms

Result of host h4 (10.0.0.4) ping host h6 (ip: 10.0.0.6 )

PING 10.0.0.6 (10.0.0.6) 56(84) bytes of data.

64 bytes from 10.0.0.6: icmp\_seq=1 ttl=64 time=1060 ms

64 bytes from 10.0.0.6: icmp\_seq=2 ttl=64 time=51.6 ms

64 bytes from 10.0.0.6: icmp\_seq=3 ttl=64 time=24.8 ms

64 bytes from 10.0.0.6: icmp\_seq=4 ttl=64 time=24.8 ms

64 bytes from 10.0.0.6: icmp\_seq=5 ttl=64 time=23.8 ms

64 bytes from 10.0.0.6: icmp\_seq=6 ttl=64 time=23.5 ms

64 bytes from 10.0.0.6: icmp\_seq=7 ttl=64 time=23.3 ms

64 bytes from 10.0.0.6: icmp\_seq=8 ttl=64 time=24.2 ms

64 bytes from 10.0.0.6: icmp\_seq=9 ttl=64 time=24.7 ms

64 bytes from 10.0.0.6: icmp\_seq=10 ttl=64 time=24.1 ms

--- 10.0.0.6 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9020ms

rtt min/avg/max/mdev = 23.310/130.531/1060.147/309.980 ms, pipe 2

Result of host h4 (10.0.0.4) ping host h7 (ip: 10.0.0.7 )

PING 10.0.0.7 (10.0.0.7) 56(84) bytes of data.

64 bytes from 10.0.0.7: icmp\_seq=1 ttl=64 time=109 ms

64 bytes from 10.0.0.7: icmp\_seq=3 ttl=64 time=46.6 ms

64 bytes from 10.0.0.7: icmp\_seq=4 ttl=64 time=45.8 ms

64 bytes from 10.0.0.7: icmp\_seq=5 ttl=64 time=47.2 ms

64 bytes from 10.0.0.7: icmp\_seq=6 ttl=64 time=44.4 ms

64 bytes from 10.0.0.7: icmp\_seq=7 ttl=64 time=44.1 ms

64 bytes from 10.0.0.7: icmp\_seq=8 ttl=64 time=44.1 ms

64 bytes from 10.0.0.7: icmp\_seq=9 ttl=64 time=45.3 ms

64 bytes from 10.0.0.7: icmp\_seq=10 ttl=64 time=44.6 ms

--- 10.0.0.7 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9018ms

rtt min/avg/max/mdev = 44.115/52.402/109.147/20.089 ms

Result of host h4 (10.0.0.4) ping host h8 (ip: 10.0.0.8 )

PING 10.0.0.8 (10.0.0.8) 56(84) bytes of data.

64 bytes from 10.0.0.8: icmp\_seq=1 ttl=64 time=1104 ms

64 bytes from 10.0.0.8: icmp\_seq=3 ttl=64 time=46.0 ms

64 bytes from 10.0.0.8: icmp\_seq=5 ttl=64 time=44.5 ms

64 bytes from 10.0.0.8: icmp\_seq=7 ttl=64 time=45.3 ms

64 bytes from 10.0.0.8: icmp\_seq=8 ttl=64 time=44.9 ms

64 bytes from 10.0.0.8: icmp\_seq=9 ttl=64 time=43.9 ms

64 bytes from 10.0.0.8: icmp\_seq=10 ttl=64 time=43.2 ms

--- 10.0.0.8 ping statistics ---

10 packets transmitted, 7 received, 30% packet loss, time 9030ms

rtt min/avg/max/mdev = 43.204/196.032/1104.057/370.700 ms, pipe 2

Result of host h5 (10.0.0.5) ping host h1 (ip: 10.0.0.1 )

PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.

64 bytes from 10.0.0.1: icmp\_seq=1 ttl=64 time=14.0 ms

64 bytes from 10.0.0.1: icmp\_seq=3 ttl=64 time=11.9 ms

64 bytes from 10.0.0.1: icmp\_seq=4 ttl=64 time=12.2 ms

64 bytes from 10.0.0.1: icmp\_seq=5 ttl=64 time=11.1 ms

64 bytes from 10.0.0.1: icmp\_seq=6 ttl=64 time=10.9 ms

64 bytes from 10.0.0.1: icmp\_seq=7 ttl=64 time=11.8 ms

64 bytes from 10.0.0.1: icmp\_seq=8 ttl=64 time=11.4 ms

64 bytes from 10.0.0.1: icmp\_seq=9 ttl=64 time=11.9 ms

64 bytes from 10.0.0.1: icmp\_seq=10 ttl=64 time=11.4 ms

--- 10.0.0.1 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9025ms

rtt min/avg/max/mdev = 10.982/11.896/14.084/0.877 ms

Result of host h5 (10.0.0.5) ping host h2 (ip: 10.0.0.2 )

PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.

64 bytes from 10.0.0.2: icmp\_seq=1 ttl=64 time=11.0 ms

64 bytes from 10.0.0.2: icmp\_seq=2 ttl=64 time=9.46 ms

64 bytes from 10.0.0.2: icmp\_seq=3 ttl=64 time=9.06 ms

64 bytes from 10.0.0.2: icmp\_seq=4 ttl=64 time=8.83 ms

64 bytes from 10.0.0.2: icmp\_seq=5 ttl=64 time=8.67 ms

64 bytes from 10.0.0.2: icmp\_seq=6 ttl=64 time=8.71 ms

64 bytes from 10.0.0.2: icmp\_seq=7 ttl=64 time=9.20 ms

64 bytes from 10.0.0.2: icmp\_seq=8 ttl=64 time=9.44 ms

64 bytes from 10.0.0.2: icmp\_seq=9 ttl=64 time=8.25 ms

64 bytes from 10.0.0.2: icmp\_seq=10 ttl=64 time=8.26 ms

--- 10.0.0.2 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9017ms

rtt min/avg/max/mdev = 8.256/9.093/11.008/0.761 ms

Result of host h5 (10.0.0.5) ping host h3 (ip: 10.0.0.3 )

PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.

64 bytes from 10.0.0.3: icmp\_seq=1 ttl=64 time=18.7 ms

64 bytes from 10.0.0.3: icmp\_seq=3 ttl=64 time=16.1 ms

64 bytes from 10.0.0.3: icmp\_seq=4 ttl=64 time=16.5 ms

64 bytes from 10.0.0.3: icmp\_seq=5 ttl=64 time=15.3 ms

64 bytes from 10.0.0.3: icmp\_seq=7 ttl=64 time=15.8 ms

64 bytes from 10.0.0.3: icmp\_seq=8 ttl=64 time=16.3 ms

64 bytes from 10.0.0.3: icmp\_seq=9 ttl=64 time=16.5 ms

64 bytes from 10.0.0.3: icmp\_seq=10 ttl=64 time=16.7 ms

--- 10.0.0.3 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9033ms

rtt min/avg/max/mdev = 15.355/16.543/18.783/0.965 ms

Result of host h5 (10.0.0.5) ping host h4 (ip: 10.0.0.4 )

PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

64 bytes from 10.0.0.4: icmp\_seq=1 ttl=64 time=1.59 ms

64 bytes from 10.0.0.4: icmp\_seq=2 ttl=64 time=0.365 ms

64 bytes from 10.0.0.4: icmp\_seq=3 ttl=64 time=0.429 ms

64 bytes from 10.0.0.4: icmp\_seq=4 ttl=64 time=0.144 ms

64 bytes from 10.0.0.4: icmp\_seq=5 ttl=64 time=0.085 ms

64 bytes from 10.0.0.4: icmp\_seq=6 ttl=64 time=0.034 ms

64 bytes from 10.0.0.4: icmp\_seq=7 ttl=64 time=0.436 ms

64 bytes from 10.0.0.4: icmp\_seq=8 ttl=64 time=0.038 ms

64 bytes from 10.0.0.4: icmp\_seq=9 ttl=64 time=0.322 ms

64 bytes from 10.0.0.4: icmp\_seq=10 ttl=64 time=0.056 ms

--- 10.0.0.4 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9000ms

rtt min/avg/max/mdev = 0.034/0.350/1.597/0.443 ms

Result of host h5 (10.0.0.5) ping host h6 (ip: 10.0.0.6 )

PING 10.0.0.6 (10.0.0.6) 56(84) bytes of data.

64 bytes from 10.0.0.6: icmp\_seq=1 ttl=64 time=58.6 ms

64 bytes from 10.0.0.6: icmp\_seq=2 ttl=64 time=23.3 ms

64 bytes from 10.0.0.6: icmp\_seq=3 ttl=64 time=25.5 ms

64 bytes from 10.0.0.6: icmp\_seq=4 ttl=64 time=22.3 ms

64 bytes from 10.0.0.6: icmp\_seq=5 ttl=64 time=24.2 ms

64 bytes from 10.0.0.6: icmp\_seq=6 ttl=64 time=23.1 ms

64 bytes from 10.0.0.6: icmp\_seq=7 ttl=64 time=23.4 ms

64 bytes from 10.0.0.6: icmp\_seq=8 ttl=64 time=25.2 ms

64 bytes from 10.0.0.6: icmp\_seq=9 ttl=64 time=22.4 ms

64 bytes from 10.0.0.6: icmp\_seq=10 ttl=64 time=24.7 ms

--- 10.0.0.6 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9011ms

rtt min/avg/max/mdev = 22.306/27.328/58.637/10.489 ms

Result of host h5 (10.0.0.5) ping host h7 (ip: 10.0.0.7 )

PING 10.0.0.7 (10.0.0.7) 56(84) bytes of data.

64 bytes from 10.0.0.7: icmp\_seq=1 ttl=64 time=1103 ms

64 bytes from 10.0.0.7: icmp\_seq=2 ttl=64 time=104 ms

64 bytes from 10.0.0.7: icmp\_seq=3 ttl=64 time=47.2 ms  
64 bytes from 10.0.0.7: icmp\_seq=4 ttl=64 time=43.3 ms  
64 bytes from 10.0.0.7: icmp\_seq=5 ttl=64 time=48.0 ms  
64 bytes from 10.0.0.7: icmp\_seq=6 ttl=64 time=45.2 ms  
64 bytes from 10.0.0.7: icmp\_seq=7 ttl=64 time=45.3 ms  
64 bytes from 10.0.0.7: icmp\_seq=8 ttl=64 time=43.8 ms  
64 bytes from 10.0.0.7: icmp\_seq=9 ttl=64 time=43.0 ms  
64 bytes from 10.0.0.7: icmp\_seq=10 ttl=64 time=46.2 ms

--- 10.0.0.7 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9008ms

rtt min/avg/max/mdev = 43.012/157.054/1103.547/315.996 ms, pipe 2

Result of host h5 (10.0.0.5) ping host h8 (ip: 10.0.0.8 )

PING 10.0.0.8 (10.0.0.8) 56(84) bytes of data.

64 bytes from 10.0.0.8: icmp\_seq=3 ttl=64 time=52.7 ms  
64 bytes from 10.0.0.8: icmp\_seq=4 ttl=64 time=46.0 ms  
64 bytes from 10.0.0.8: icmp\_seq=5 ttl=64 time=44.8 ms  
64 bytes from 10.0.0.8: icmp\_seq=6 ttl=64 time=42.9 ms  
64 bytes from 10.0.0.8: icmp\_seq=7 ttl=64 time=44.0 ms  
64 bytes from 10.0.0.8: icmp\_seq=8 ttl=64 time=43.9 ms  
64 bytes from 10.0.0.8: icmp\_seq=10 ttl=64 time=45.4 ms

--- 10.0.0.8 ping statistics ---



10 packets transmitted, 7 received, 30% packet loss, time 9027ms

rtt min/avg/max/mdev = 42.960/45.720/52.762/3.032 ms

Result of host h6 (10.0.0.6) ping host h1 (ip: 10.0.0.1 )

PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.

64 bytes from 10.0.0.1: icmp\_seq=1 ttl=64 time=18.7 ms

64 bytes from 10.0.0.1: icmp\_seq=2 ttl=64 time=14.3 ms

64 bytes from 10.0.0.1: icmp\_seq=4 ttl=64 time=12.3 ms

64 bytes from 10.0.0.1: icmp\_seq=5 ttl=64 time=12.7 ms

64 bytes from 10.0.0.1: icmp\_seq=6 ttl=64 time=13.4 ms

64 bytes from 10.0.0.1: icmp\_seq=8 ttl=64 time=13.0 ms

64 bytes from 10.0.0.1: icmp\_seq=9 ttl=64 time=13.5 ms

64 bytes from 10.0.0.1: icmp\_seq=10 ttl=64 time=14.9 ms

--- 10.0.0.1 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9019ms

rtt min/avg/max/mdev = 12.359/14.162/18.790/1.917 ms

Result of host h6 (10.0.0.6) ping host h2 (ip: 10.0.0.2 )

PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.

64 bytes from 10.0.0.2: icmp\_seq=1 ttl=64 time=20.5 ms

64 bytes from 10.0.0.2: icmp\_seq=2 ttl=64 time=16.3 ms

64 bytes from 10.0.0.2: icmp\_seq=3 ttl=64 time=15.4 ms

64 bytes from 10.0.0.2: icmp\_seq=4 ttl=64 time=14.8 ms  
64 bytes from 10.0.0.2: icmp\_seq=5 ttl=64 time=16.6 ms  
64 bytes from 10.0.0.2: icmp\_seq=6 ttl=64 time=15.0 ms  
64 bytes from 10.0.0.2: icmp\_seq=7 ttl=64 time=16.5 ms  
64 bytes from 10.0.0.2: icmp\_seq=8 ttl=64 time=16.9 ms  
64 bytes from 10.0.0.2: icmp\_seq=9 ttl=64 time=15.8 ms  
64 bytes from 10.0.0.2: icmp\_seq=10 ttl=64 time=15.5 ms

--- 10.0.0.2 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9015ms  
rtt min/avg/max/mdev = 14.865/16.387/20.586/1.555 ms

Result of host h6 (10.0.0.6) ping host h3 (ip: 10.0.0.3 )

PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.

64 bytes from 10.0.0.3: icmp\_seq=1 ttl=64 time=11.8 ms  
64 bytes from 10.0.0.3: icmp\_seq=3 ttl=64 time=9.51 ms  
64 bytes from 10.0.0.3: icmp\_seq=4 ttl=64 time=8.79 ms  
64 bytes from 10.0.0.3: icmp\_seq=5 ttl=64 time=9.36 ms  
64 bytes from 10.0.0.3: icmp\_seq=6 ttl=64 time=8.51 ms  
64 bytes from 10.0.0.3: icmp\_seq=7 ttl=64 time=9.19 ms  
64 bytes from 10.0.0.3: icmp\_seq=8 ttl=64 time=8.14 ms  
64 bytes from 10.0.0.3: icmp\_seq=9 ttl=64 time=8.53 ms  
64 bytes from 10.0.0.3: icmp\_seq=10 ttl=64 time=8.22 ms

--- 10.0.0.3 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9011ms

rtt min/avg/max/mdev = 8.141/9.124/11.836/1.065 ms

Result of host h6 (10.0.0.6) ping host h4 (ip: 10.0.0.4 )

PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

64 bytes from 10.0.0.4: icmp\_seq=1 ttl=64 time=33.0 ms

64 bytes from 10.0.0.4: icmp\_seq=2 ttl=64 time=24.2 ms

64 bytes from 10.0.0.4: icmp\_seq=3 ttl=64 time=24.1 ms

64 bytes from 10.0.0.4: icmp\_seq=4 ttl=64 time=22.8 ms

64 bytes from 10.0.0.4: icmp\_seq=5 ttl=64 time=25.1 ms

64 bytes from 10.0.0.4: icmp\_seq=6 ttl=64 time=24.0 ms

64 bytes from 10.0.0.4: icmp\_seq=7 ttl=64 time=25.1 ms

64 bytes from 10.0.0.4: icmp\_seq=9 ttl=64 time=24.1 ms

64 bytes from 10.0.0.4: icmp\_seq=10 ttl=64 time=24.1 ms

--- 10.0.0.4 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9017ms

rtt min/avg/max/mdev = 22.839/25.213/33.005/2.829 ms

Result of host h6 (10.0.0.6) ping host h5 (ip: 10.0.0.5 )

PING 10.0.0.5 (10.0.0.5) 56(84) bytes of data.

64 bytes from 10.0.0.5: icmp\_seq=1 ttl=64 time=28.1 ms

64 bytes from 10.0.0.5: icmp\_seq=2 ttl=64 time=25.5 ms

64 bytes from 10.0.0.5: icmp\_seq=3 ttl=64 time=23.4 ms

64 bytes from 10.0.0.5: icmp\_seq=4 ttl=64 time=23.9 ms

64 bytes from 10.0.0.5: icmp\_seq=5 ttl=64 time=25.8 ms

64 bytes from 10.0.0.5: icmp\_seq=6 ttl=64 time=23.8 ms

64 bytes from 10.0.0.5: icmp\_seq=7 ttl=64 time=23.2 ms

64 bytes from 10.0.0.5: icmp\_seq=8 ttl=64 time=24.1 ms

64 bytes from 10.0.0.5: icmp\_seq=9 ttl=64 time=24.2 ms

--- 10.0.0.5 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9014ms

rtt min/avg/max/mdev = 23.250/24.717/28.170/1.473 ms

Result of host h6 (10.0.0.6) ping host h7 (ip: 10.0.0.7 )

PING 10.0.0.7 (10.0.0.7) 56(84) bytes of data.

64 bytes from 10.0.0.7: icmp\_seq=1 ttl=64 time=45.4 ms

64 bytes from 10.0.0.7: icmp\_seq=2 ttl=64 time=21.6 ms

64 bytes from 10.0.0.7: icmp\_seq=3 ttl=64 time=21.3 ms

64 bytes from 10.0.0.7: icmp\_seq=4 ttl=64 time=20.5 ms

64 bytes from 10.0.0.7: icmp\_seq=5 ttl=64 time=20.5 ms

64 bytes from 10.0.0.7: icmp\_seq=6 ttl=64 time=21.1 ms

64 bytes from 10.0.0.7: icmp\_seq=7 ttl=64 time=21.5 ms

64 bytes from 10.0.0.7: icmp\_seq=8 ttl=64 time=20.2 ms

64 bytes from 10.0.0.7: icmp\_seq=9 ttl=64 time=20.4 ms

64 bytes from 10.0.0.7: icmp\_seq=10 ttl=64 time=21.1 ms

--- 10.0.0.7 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9014ms

rtt min/avg/max/mdev = 20.256/23.405/45.423/7.353 ms

Result of host h6 (10.0.0.6) ping host h8 (ip: 10.0.0.8 )

PING 10.0.0.8 (10.0.0.8) 56(84) bytes of data.

64 bytes from 10.0.0.8: icmp\_seq=1 ttl=64 time=47.4 ms

64 bytes from 10.0.0.8: icmp\_seq=2 ttl=64 time=21.4 ms

64 bytes from 10.0.0.8: icmp\_seq=3 ttl=64 time=21.4 ms

64 bytes from 10.0.0.8: icmp\_seq=4 ttl=64 time=20.9 ms

64 bytes from 10.0.0.8: icmp\_seq=5 ttl=64 time=21.3 ms

64 bytes from 10.0.0.8: icmp\_seq=7 ttl=64 time=21.9 ms

64 bytes from 10.0.0.8: icmp\_seq=8 ttl=64 time=20.8 ms

64 bytes from 10.0.0.8: icmp\_seq=9 ttl=64 time=21.2 ms

64 bytes from 10.0.0.8: icmp\_seq=10 ttl=64 time=21.1 ms

--- 10.0.0.8 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9012ms

rtt min/avg/max/mdev = 20.872/24.223/47.477/8.227 ms

Result of host h7 (10.0.0.7) ping host h1 (ip: 10.0.0.1 )

PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.

64 bytes from 10.0.0.1: icmp\_seq=1 ttl=64 time=40.5 ms

64 bytes from 10.0.0.1: icmp\_seq=3 ttl=64 time=34.8 ms

64 bytes from 10.0.0.1: icmp\_seq=4 ttl=64 time=34.4 ms

64 bytes from 10.0.0.1: icmp\_seq=6 ttl=64 time=33.4 ms

64 bytes from 10.0.0.1: icmp\_seq=7 ttl=64 time=34.8 ms

64 bytes from 10.0.0.1: icmp\_seq=8 ttl=64 time=33.8 ms

64 bytes from 10.0.0.1: icmp\_seq=9 ttl=64 time=33.6 ms

64 bytes from 10.0.0.1: icmp\_seq=10 ttl=64 time=33.9 ms

--- 10.0.0.1 ping statistics ---

10 packets transmitted, 8 received, 20% packet loss, time 9019ms

rtt min/avg/max/mdev = 33.488/34.953/40.513/2.170 ms

Result of host h7 (10.0.0.7) ping host h2 (ip: 10.0.0.2 )

PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.

64 bytes from 10.0.0.2: icmp\_seq=1 ttl=64 time=44.3 ms

64 bytes from 10.0.0.2: icmp\_seq=2 ttl=64 time=37.6 ms

64 bytes from 10.0.0.2: icmp\_seq=3 ttl=64 time=36.3 ms

64 bytes from 10.0.0.2: icmp\_seq=5 ttl=64 time=37.1 ms

64 bytes from 10.0.0.2: icmp\_seq=6 ttl=64 time=35.8 ms

64 bytes from 10.0.0.2: icmp\_seq=7 ttl=64 time=36.4 ms

64 bytes from 10.0.0.2: icmp\_seq=8 ttl=64 time=38.4 ms

64 bytes from 10.0.0.2: icmp\_seq=9 ttl=64 time=36.3 ms

64 bytes from 10.0.0.2: icmp\_seq=10 ttl=64 time=35.4 ms

--- 10.0.0.2 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9021ms

rtt min/avg/max/mdev = 35.491/37.561/44.308/2.546 ms

Result of host h7 (10.0.0.7) ping host h3 (ip: 10.0.0.3 )

PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.

64 bytes from 10.0.0.3: icmp\_seq=1 ttl=64 time=32.2 ms

64 bytes from 10.0.0.3: icmp\_seq=2 ttl=64 time=29.1 ms

64 bytes from 10.0.0.3: icmp\_seq=3 ttl=64 time=28.6 ms

64 bytes from 10.0.0.3: icmp\_seq=4 ttl=64 time=29.1 ms

64 bytes from 10.0.0.3: icmp\_seq=5 ttl=64 time=29.8 ms

64 bytes from 10.0.0.3: icmp\_seq=6 ttl=64 time=29.8 ms

64 bytes from 10.0.0.3: icmp\_seq=7 ttl=64 time=30.0 ms

64 bytes from 10.0.0.3: icmp\_seq=8 ttl=64 time=29.0 ms

64 bytes from 10.0.0.3: icmp\_seq=9 ttl=64 time=29.3 ms

64 bytes from 10.0.0.3: icmp\_seq=10 ttl=64 time=28.7 ms

--- 10.0.0.3 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9011ms

rtt min/avg/max/mdev = 28.612/29.596/32.201/1.001 ms

Result of host h7 (10.0.0.7) ping host h4 (ip: 10.0.0.4 )

PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

64 bytes from 10.0.0.4: icmp\_seq=1 ttl=64 time=49.5 ms

64 bytes from 10.0.0.4: icmp\_seq=2 ttl=64 time=45.3 ms

64 bytes from 10.0.0.4: icmp\_seq=3 ttl=64 time=44.9 ms

64 bytes from 10.0.0.4: icmp\_seq=4 ttl=64 time=46.9 ms

64 bytes from 10.0.0.4: icmp\_seq=5 ttl=64 time=43.4 ms

64 bytes from 10.0.0.4: icmp\_seq=6 ttl=64 time=44.6 ms

64 bytes from 10.0.0.4: icmp\_seq=7 ttl=64 time=45.7 ms

64 bytes from 10.0.0.4: icmp\_seq=8 ttl=64 time=43.0 ms

64 bytes from 10.0.0.4: icmp\_seq=10 ttl=64 time=44.0 ms

--- 10.0.0.4 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9008ms

rtt min/avg/max/mdev = 43.072/45.313/49.573/1.886 ms

Result of host h7 (10.0.0.7) ping host h5 (ip: 10.0.0.5 )

PING 10.0.0.5 (10.0.0.5) 56(84) bytes of data.

64 bytes from 10.0.0.5: icmp\_seq=1 ttl=64 time=50.4 ms

64 bytes from 10.0.0.5: icmp\_seq=2 ttl=64 time=46.6 ms

64 bytes from 10.0.0.5: icmp\_seq=3 ttl=64 time=46.2 ms

64 bytes from 10.0.0.5: icmp\_seq=4 ttl=64 time=44.3 ms

64 bytes from 10.0.0.5: icmp\_seq=5 ttl=64 time=44.6 ms

64 bytes from 10.0.0.5: icmp\_seq=6 ttl=64 time=44.7 ms



64 bytes from 10.0.0.5: icmp\_seq=7 ttl=64 time=44.2 ms

64 bytes from 10.0.0.5: icmp\_seq=8 ttl=64 time=43.1 ms

64 bytes from 10.0.0.5: icmp\_seq=9 ttl=64 time=45.2 ms

--- 10.0.0.5 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9013ms

rtt min/avg/max/mdev = 43.101/45.528/50.463/2.030 ms

Result of host h7 (10.0.0.7) ping host h6 (ip: 10.0.0.6 )

PING 10.0.0.6 (10.0.0.6) 56(84) bytes of data.

64 bytes from 10.0.0.6: icmp\_seq=1 ttl=64 time=23.7 ms

64 bytes from 10.0.0.6: icmp\_seq=2 ttl=64 time=20.9 ms

64 bytes from 10.0.0.6: icmp\_seq=3 ttl=64 time=20.7 ms

64 bytes from 10.0.0.6: icmp\_seq=4 ttl=64 time=21.5 ms

64 bytes from 10.0.0.6: icmp\_seq=5 ttl=64 time=20.8 ms

64 bytes from 10.0.0.6: icmp\_seq=6 ttl=64 time=20.9 ms

64 bytes from 10.0.0.6: icmp\_seq=7 ttl=64 time=21.4 ms

64 bytes from 10.0.0.6: icmp\_seq=8 ttl=64 time=21.4 ms

64 bytes from 10.0.0.6: icmp\_seq=9 ttl=64 time=20.4 ms

64 bytes from 10.0.0.6: icmp\_seq=10 ttl=64 time=20.4 ms

--- 10.0.0.6 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9015ms

rtt min/avg/max/mdev = 20.423/21.264/23.775/0.923 ms

Result of host h7 (10.0.0.7) ping host h8 (ip: 10.0.0.8 )

PING 10.0.0.8 (10.0.0.8) 56(84) bytes of data.

64 bytes from 10.0.0.8: icmp\_seq=1 ttl=64 time=2.66 ms

64 bytes from 10.0.0.8: icmp\_seq=2 ttl=64 time=0.339 ms

64 bytes from 10.0.0.8: icmp\_seq=3 ttl=64 time=0.272 ms

64 bytes from 10.0.0.8: icmp\_seq=4 ttl=64 time=0.058 ms

64 bytes from 10.0.0.8: icmp\_seq=5 ttl=64 time=0.092 ms

64 bytes from 10.0.0.8: icmp\_seq=6 ttl=64 time=0.039 ms

64 bytes from 10.0.0.8: icmp\_seq=7 ttl=64 time=0.325 ms

64 bytes from 10.0.0.8: icmp\_seq=8 ttl=64 time=0.053 ms

64 bytes from 10.0.0.8: icmp\_seq=9 ttl=64 time=0.483 ms

64 bytes from 10.0.0.8: icmp\_seq=10 ttl=64 time=0.058 ms

--- 10.0.0.8 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9001ms

rtt min/avg/max/mdev = 0.039/0.438/2.663/0.756 ms

Result of host h8 (10.0.0.8) ping host h1 (ip: 10.0.0.1 )

PING 10.0.0.1 (10.0.0.1) 56(84) bytes of data.

64 bytes from 10.0.0.1: icmp\_seq=1 ttl=64 time=38.0 ms

64 bytes from 10.0.0.1: icmp\_seq=3 ttl=64 time=34.2 ms

64 bytes from 10.0.0.1: icmp\_seq=6 ttl=64 time=33.6 ms

64 bytes from 10.0.0.1: icmp\_seq=7 ttl=64 time=34.9 ms

64 bytes from 10.0.0.1: icmp\_seq=8 ttl=64 time=34.9 ms

64 bytes from 10.0.0.1: icmp\_seq=9 ttl=64 time=34.0 ms

64 bytes from 10.0.0.1: icmp\_seq=10 ttl=64 time=35.4 ms

--- 10.0.0.1 ping statistics ---

10 packets transmitted, 7 received, 30% packet loss, time 9024ms

rtt min/avg/max/mdev = 33.642/35.059/38.009/1.349 ms

Result of host h8 (10.0.0.8) ping host h2 (ip: 10.0.0.2 )

PING 10.0.0.2 (10.0.0.2) 56(84) bytes of data.

64 bytes from 10.0.0.2: icmp\_seq=1 ttl=64 time=40.0 ms

64 bytes from 10.0.0.2: icmp\_seq=2 ttl=64 time=36.3 ms

64 bytes from 10.0.0.2: icmp\_seq=5 ttl=64 time=36.4 ms

64 bytes from 10.0.0.2: icmp\_seq=6 ttl=64 time=36.7 ms

64 bytes from 10.0.0.2: icmp\_seq=7 ttl=64 time=36.7 ms

64 bytes from 10.0.0.2: icmp\_seq=8 ttl=64 time=35.2 ms

64 bytes from 10.0.0.2: icmp\_seq=10 ttl=64 time=36.2 ms

--- 10.0.0.2 ping statistics ---

10 packets transmitted, 7 received, 30% packet loss, time 9016ms

rtt min/avg/max/mdev = 35.297/36.839/40.050/1.396 ms

Result of host h8 (10.0.0.8) ping host h3 (ip: 10.0.0.3 )

PING 10.0.0.3 (10.0.0.3) 56(84) bytes of data.

64 bytes from 10.0.0.3: icmp\_seq=1 ttl=64 time=33.0 ms

64 bytes from 10.0.0.3: icmp\_seq=2 ttl=64 time=29.5 ms

64 bytes from 10.0.0.3: icmp\_seq=3 ttl=64 time=29.6 ms

64 bytes from 10.0.0.3: icmp\_seq=4 ttl=64 time=30.6 ms

64 bytes from 10.0.0.3: icmp\_seq=5 ttl=64 time=30.1 ms

64 bytes from 10.0.0.3: icmp\_seq=6 ttl=64 time=28.8 ms

64 bytes from 10.0.0.3: icmp\_seq=7 ttl=64 time=30.0 ms

64 bytes from 10.0.0.3: icmp\_seq=8 ttl=64 time=29.5 ms

64 bytes from 10.0.0.3: icmp\_seq=9 ttl=64 time=30.6 ms

--- 10.0.0.3 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9013ms

rtt min/avg/max/mdev = 28.801/30.213/33.079/1.158 ms

Result of host h8 (10.0.0.8) ping host h4 (ip: 10.0.0.4 )

PING 10.0.0.4 (10.0.0.4) 56(84) bytes of data.

64 bytes from 10.0.0.4: icmp\_seq=1 ttl=64 time=57.1 ms

64 bytes from 10.0.0.4: icmp\_seq=2 ttl=64 time=46.2 ms

64 bytes from 10.0.0.4: icmp\_seq=3 ttl=64 time=44.6 ms

64 bytes from 10.0.0.4: icmp\_seq=4 ttl=64 time=44.6 ms

64 bytes from 10.0.0.4: icmp\_seq=5 ttl=64 time=44.8 ms

64 bytes from 10.0.0.4: icmp\_seq=6 ttl=64 time=44.3 ms

64 bytes from 10.0.0.4: icmp\_seq=8 ttl=64 time=44.8 ms

64 bytes from 10.0.0.4: icmp\_seq=9 ttl=64 time=45.5 ms

64 bytes from 10.0.0.4: icmp\_seq=10 ttl=64 time=43.8 ms

--- 10.0.0.4 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9022ms

rtt min/avg/max/mdev = 43.841/46.232/57.149/3.919 ms

Result of host h8 (10.0.0.8) ping host h5 (ip: 10.0.0.5 )

PING 10.0.0.5 (10.0.0.5) 56(84) bytes of data.

64 bytes from 10.0.0.5: icmp\_seq=1 ttl=64 time=51.3 ms

64 bytes from 10.0.0.5: icmp\_seq=2 ttl=64 time=45.7 ms

64 bytes from 10.0.0.5: icmp\_seq=3 ttl=64 time=45.6 ms

64 bytes from 10.0.0.5: icmp\_seq=4 ttl=64 time=46.2 ms

64 bytes from 10.0.0.5: icmp\_seq=5 ttl=64 time=45.3 ms

64 bytes from 10.0.0.5: icmp\_seq=6 ttl=64 time=43.9 ms

64 bytes from 10.0.0.5: icmp\_seq=8 ttl=64 time=45.0 ms

64 bytes from 10.0.0.5: icmp\_seq=9 ttl=64 time=45.2 ms

64 bytes from 10.0.0.5: icmp\_seq=10 ttl=64 time=43.7 ms

--- 10.0.0.5 ping statistics ---

10 packets transmitted, 9 received, 10% packet loss, time 9017ms

rtt min/avg/max/mdev = 43.771/45.827/51.306/2.092 ms

Result of host h8 (10.0.0.8) ping host h6 (ip: 10.0.0.6 )

PING 10.0.0.6 (10.0.0.6) 56(84) bytes of data.

64 bytes from 10.0.0.6: icmp\_seq=1 ttl=64 time=24.2 ms

64 bytes from 10.0.0.6: icmp\_seq=2 ttl=64 time=21.2 ms

64 bytes from 10.0.0.6: icmp\_seq=3 ttl=64 time=21.0 ms

64 bytes from 10.0.0.6: icmp\_seq=4 ttl=64 time=21.0 ms

64 bytes from 10.0.0.6: icmp\_seq=5 ttl=64 time=20.1 ms

64 bytes from 10.0.0.6: icmp\_seq=6 ttl=64 time=20.4 ms

64 bytes from 10.0.0.6: icmp\_seq=7 ttl=64 time=20.6 ms

64 bytes from 10.0.0.6: icmp\_seq=8 ttl=64 time=21.3 ms

64 bytes from 10.0.0.6: icmp\_seq=9 ttl=64 time=20.6 ms

64 bytes from 10.0.0.6: icmp\_seq=10 ttl=64 time=20.8 ms

--- 10.0.0.6 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 9013ms

rtt min/avg/max/mdev = 20.199/21.175/24.292/1.101 ms

Result of host h8 (10.0.0.8) ping host h7 (ip: 10.0.0.7 )

PING 10.0.0.7 (10.0.0.7) 56(84) bytes of data.

64 bytes from 10.0.0.7: icmp\_seq=1 ttl=64 time=2.11 ms

64 bytes from 10.0.0.7: icmp\_seq=2 ttl=64 time=0.664 ms

64 bytes from 10.0.0.7: icmp\_seq=3 ttl=64 time=0.474 ms

64 bytes from 10.0.0.7: icmp\_seq=4 ttl=64 time=0.067 ms

64 bytes from 10.0.0.7: icmp\_seq=5 ttl=64 time=0.052 ms  
64 bytes from 10.0.0.7: icmp\_seq=6 ttl=64 time=0.047 ms  
64 bytes from 10.0.0.7: icmp\_seq=7 ttl=64 time=0.217 ms  
64 bytes from 10.0.0.7: icmp\_seq=8 ttl=64 time=0.354 ms  
64 bytes from 10.0.0.7: icmp\_seq=9 ttl=64 time=0.072 ms  
64 bytes from 10.0.0.7: icmp\_seq=10 ttl=64 time=0.064 ms

--- 10.0.0.7 ping statistics ---

10 packets transmitted, 10 received, 0% packet loss, time 8999ms

rtt min/avg/max/mdev = 0.047/0.412/2.110/0.600 ms

## 2. Measure the TCP bandwidth between every pair of hosts

\*\*\* Iperf: testing TCP bandwidth between h2 and h1  
\*\*\* Results: ['9.18 Mbits/sec', '9.60 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h3 and h1  
\*\*\* Results: ['14.0 Mbits/sec', '14.3 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h4 and h1  
\*\*\* Results: ['6.04 Mbits/sec', '7.06 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h5 and h1  
\*\*\* Results: ['7.94 Mbits/sec', '8.80 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h6 and h1  
\*\*\* Results: ['7.80 Mbits/sec', '9.90 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h7 and h1  
\*\*\* Results: ['1.72 Mbits/sec', '1.88 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h8 and h1  
\*\*\* Results: ['1.90 Mbits/sec', '2.03 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h1 and h2  
\*\*\* Results: ['9.47 Mbits/sec', '10.4 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h3 and h2  
\*\*\* Results: ['4.97 Mbits/sec', '5.07 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h4 and h2  
\*\*\* Results: ['18.3 Mbits/sec', '18.7 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h5 and h2  
\*\*\* Results: ['18.4 Mbits/sec', '19.0 Mbits/sec']

\*\*\* Iperf: testing TCP bandwidth between h6 and h2  
\*\*\* Results: ['3.07 Mbits/sec', '3.19 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h7 and h2  
\*\*\* Results: ['1.37 Mbits/sec', '1.42 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h8 and h2  
\*\*\* Results: ['1.24 Mbits/sec', '1.40 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h1 and h3  
\*\*\* Results: ['14.2 Mbits/sec', '14.6 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h2 and h3  
\*\*\* Results: ['6.87 Mbits/sec', '7.17 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h4 and h3  
\*\*\* Results: ['1.98 Mbits/sec', '2.14 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h5 and h3  
\*\*\* Results: ['3.62 Mbits/sec', '4.08 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h6 and h3  
\*\*\* Results: ['18.7 Mbits/sec', '19.0 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h7 and h3  
\*\*\* Results: ['3.80 Mbits/sec', '5.57 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h8 and h3  
\*\*\* Results: ['3.78 Mbits/sec', '4.16 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h1 and h4  
\*\*\* Results: ['7.55 Mbits/sec', '7.67 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h2 and h4  
\*\*\* Results: ['19.0 Mbits/sec', '19.5 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h3 and h4  
\*\*\* Results: ['2.82 Mbits/sec', '3.17 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h5 and h4  
\*\*\* Results: ['52.1 Gbits/sec', '52.1 Gbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h6 and h4  
\*\*\* Results: ['2.33 Mbits/sec', '2.44 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h7 and h4  
\*\*\* Results: ['970 Kbits/sec', '1.13 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h8 and h4  
\*\*\* Results: ['952 Kbits/sec', '1.03 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h1 and h5  
\*\*\* Results: ['5.62 Mbits/sec', '5.95 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h2 and h5  
\*\*\* Results: ['18.4 Mbits/sec', '20.3 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h3 and h5  
\*\*\* Results: ['3.20 Mbits/sec', '3.29 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h4 and h5  
\*\*\* Results: ['52.0 Gbits/sec', '52.1 Gbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h6 and h5  
\*\*\* Results: ['1.63 Mbits/sec', '2.02 Mbits/sec']



\*\*\* Iperf: testing TCP bandwidth between h7 and h5  
\*\*\* Results: ['984 Kbits/sec', '1.15 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h8 and h5  
\*\*\* Results: ['821 Kbits/sec', '885 Kbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h1 and h6  
\*\*\* Results: ['7.83 Mbits/sec', '8.02 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h2 and h6  
\*\*\* Results: ['3.76 Mbits/sec', '3.98 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h3 and h6  
\*\*\* Results: ['18.1 Mbits/sec', '18.5 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h4 and h6  
\*\*\* Results: ['2.70 Mbits/sec', '3.16 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h5 and h6  
\*\*\* Results: ['1.73 Mbits/sec', '2.25 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h7 and h6  
\*\*\* Results: ['6.52 Mbits/sec', '7.90 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h8 and h6  
\*\*\* Results: ['5.63 Mbits/sec', '5.73 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h1 and h7  
\*\*\* Results: ['2.14 Mbits/sec', '2.34 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h2 and h7  
\*\*\* Results: ['614 Kbits/sec', '640 Kbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h3 and h7  
\*\*\* Results: ['4.03 Mbits/sec', '4.12 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h4 and h7  
\*\*\* Results: ['602 Kbits/sec', '635 Kbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h5 and h7  
\*\*\* Results: ['984 Kbits/sec', '1.05 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h6 and h7  
\*\*\* Results: ['7.14 Mbits/sec', '7.56 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h8 and h7  
\*\*\* Results: ['60.4 Gbits/sec', '60.5 Gbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h1 and h8  
\*\*\* Results: ['2.48 Mbits/sec', '3.44 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h2 and h8  
\*\*\* Results: ['928 Kbits/sec', '1.17 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h3 and h8  
\*\*\* Results: ['3.47 Mbits/sec', '3.66 Mbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h4 and h8  
\*\*\* Results: ['782 Kbits/sec', '829 Kbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h5 and h8  
\*\*\* Results: ['772 Kbits/sec', '952 Kbits/sec']  
\*\*\* Iperf: testing TCP bandwidth between h6 and h8  
\*\*\* Results: ['8.06 Mbits/sec', '10.2 Mbits/sec']

\*\*\* Iperf: testing TCP bandwidth between h7 and h8  
\*\*\* Results: ['60.7 Gbits/sec', '60.7 Gbits/sec']

### 3. Measure the UDP packet loss between every pair of hosts at a bandwidth of 15 Mb/s.

server: h2 client: h1

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.2, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.1 port 46922 connected with 10.0.0.2 port 5001

[ ID]	Interval	Transfer	Bandwidth
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[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mbits/sec
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[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-11.2 sec	13.0 MBytes	9.72 Mbits/sec	0.427 ms	3499/12754 (27%)
------	--------------	-------------	----------------	----------	------------------

[ 3]	0.0-11.2 sec	4 datagrams received out-of-order			
------	--------------	-----------------------------------	--	--	--

Shutting down the iperf server

server: h3 client: h1

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.3, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.1 port 40617 connected with 10.0.0.3 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mbits/sec
------	--------------	-------------	----------------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.1 sec	17.5 MBytes	14.6 Mbits/sec	0.114 ms	250/12755 (2%)
------	--------------	-------------	----------------	----------	----------------

[ 3]	0.0-10.1 sec	1 datagrams received out-of-order			
------	--------------	-----------------------------------	--	--	--

Shutting down the iperf server

server: h4 client: h1

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.4, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

```
-----
[ 3] local 10.0.0.1 port 56787 connected with 10.0.0.4 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mb/s/sec
[ 3] Sent 12757 datagrams
[ 3] Server Report:
[ 3] 0.0-11.2 sec  12.8 MBytes  9.62 Mb/s/sec   0.451 ms 3601/12756 (28%)
[ 3] 0.0-11.2 sec   2 datagrams received out-of-order
```

Shutting down the iperf server

server: h5 client: h1

Done running iperf on server, starting client now

```
-----
Client connecting to 10.0.0.5, UDP port 5001
```

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

```
-----
[ 3] local 10.0.0.1 port 59555 connected with 10.0.0.5 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mb/s/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-11.2 sec  12.8 MBytes  9.63 Mb/s/sec   0.388 ms 3593/12755 (28%)
[ 3] 0.0-11.2 sec   1 datagrams received out-of-order
```

Shutting down the iperf server

server: h6 client: h1

Done running iperf on server, starting client now

```
-----
Client connecting to 10.0.0.6, UDP port 5001
```

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

```
-----
[ 3] local 10.0.0.1 port 37729 connected with 10.0.0.6 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mb/s/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-10.1 sec  17.3 MBytes  14.4 Mb/s/sec   0.114 ms 418/12755 (3.3%)
[ 3] 0.0-10.1 sec  18 datagrams received out-of-order
```

Shutting down the iperf server

server: h7 client: h1

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.7, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.1 port 53408 connected with 10.0.0.7 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.1 sec	17.0 MBytes	14.2 Mb/s	0.139 ms	620/12755 (4.9%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-10.1 sec	26 datagrams received out-of-order			
------	--------------	------------------------------------	--	--	--

Shutting down the iperf server

server: h8 client: h1

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.8, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.1 port 52873 connected with 10.0.0.8 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.1 sec	17.0 MBytes	14.1 Mb/s	0.189 ms	632/12755 (5%)
------	--------------	-------------	-----------	----------	----------------

[ 3]	0.0-10.1 sec	11 datagrams received out-of-order			
------	--------------	------------------------------------	--	--	--

Shutting down the iperf server

server: h1 client: h2

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.1, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.2 port 42365 connected with 10.0.0.1 port 5001

```
[ ID] Interval      Transfer      Bandwidth
[  3]  0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[  3] Sent 12756 datagrams
[  3] Server Report:
[  3]  0.0-11.2 sec  13.0 MBytes  9.72 Mbits/sec    0.385 ms 3487/12754 (27%)
[  3]  0.0-11.2 sec   1 datagrams received out-of-order
```

Shutting down the iperf server

server: h3 client: h2

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.3, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.2 port 59756 connected with 10.0.0.3 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-11.2 sec 12.7 MBytes 9.55 Mbits/sec 0.439 ms 3664/12755 (29%)  
[ 3] 0.0-11.2 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h4 client: h2

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.4, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.2 port 47147 connected with 10.0.0.4 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12757 datagrams  
[ 3] Server Report:  
[ 3] 0.0-10.0 sec 17.7 MBytes 14.9 Mbits/sec 0.061 ms 123/12756  
(0.96%)  
[ 3] 0.0-10.0 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h5 client: h2

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.5, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.2 port 36243 connected with 10.0.0.5 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.0 sec	17.7 MBytes	14.9 Mb/s	0.056 ms	133/12755 (1%)
------	--------------	-------------	-----------	----------	----------------

[ 3]	0.0-10.0 sec	1 datagrams received out-of-order
------	--------------	-----------------------------------

Shutting down the iperf server

server: h6 client: h2

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.6, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.2 port 50178 connected with 10.0.0.6 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-11.2 sec	12.6 MBytes	9.45 Mb/s	0.401 ms	3760/12755 (29%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-11.2 sec	7 datagrams received out-of-order
------	--------------	-----------------------------------

Shutting down the iperf server

server: h7 client: h2

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.7, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.2 port 44668 connected with 10.0.0.7 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

```
[ 3] Sent 12757 datagrams
[ 3] Server Report:
[ 3]  0.0-11.2 sec  12.3 MBytes  9.21 Mbits/sec   0.510 ms 4010/12754 (31%)
[ 3]  0.0-11.2 sec  21 datagrams received out-of-order
```

Shutting down the iperf server

server: h8 client: h2

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.8, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.2 port 42820 connected with 10.0.0.8 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-11.2 sec 12.3 MBytes 9.22 Mbits/sec 0.553 ms 4001/12755 (31%)  
[ 3] 0.0-11.2 sec 3 datagrams received out-of-order

Shutting down the iperf server

server: h1 client: h3

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.1, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.3 port 44388 connected with 10.0.0.1 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-10.1 sec 17.5 MBytes 14.6 Mbits/sec 0.136 ms 255/12755 (2%)  
[ 3] 0.0-10.1 sec 2 datagrams received out-of-order

Shutting down the iperf server

server: h2 client: h3

Done running iperf on server, starting client now

-----

Client connecting to 10.0.0.2, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.3 port 34054 connected with 10.0.0.2 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.4 sec	12.0 MBytes	9.72 Mb/s	0.446 ms	4193/12755 (33%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-10.4 sec	8 datagrams received out-of-order
------	--------------	-----------------------------------

Shutting down the iperf server

server: h4 client: h3

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.4, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.3 port 54546 connected with 10.0.0.4 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-11.3 sec	13.0 MBytes	9.64 Mb/s	0.383 ms	3517/12755 (28%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-11.3 sec	1 datagrams received out-of-order
------	--------------	-----------------------------------

Shutting down the iperf server

server: h5 client: h3

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.5, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.3 port 38739 connected with 10.0.0.5 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-11.3 sec	13.0 MBytes	9.62 Mb/s	0.469 ms	3509/12755 (28%)
------	--------------	-------------	-----------	----------	------------------



[ 3] 0.0-11.3 sec 24 datagrams received out-of-order

Shutting down the iperf server

server: h6 client: h3

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.6, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.3 port 45115 connected with 10.0.0.6 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.0 sec	17.7 MBytes	14.9 Mb/s	0.099 ms	128/12755 (1%)
------	--------------	-------------	-----------	----------	----------------

[ 3] 0.0-10.0 sec 12 datagrams received out-of-order

Shutting down the iperf server

server: h7 client: h3

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.7, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.3 port 46237 connected with 10.0.0.7 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.0 sec	17.3 MBytes	14.6 Mb/s	0.104 ms	389/12755 (3%)
------	--------------	-------------	-----------	----------	----------------

[ 3] 0.0-10.0 sec 26 datagrams received out-of-order

Shutting down the iperf server

server: h8 client: h3

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.8, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

```

-----
[ 3] local 10.0.0.3 port 33090 connected with 10.0.0.8 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3]  0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3]  0.0-10.0 sec  17.3 MBytes  14.6 Mbits/sec   0.149 ms  391/12755 (3.1%)
[ 3]  0.0-10.0 sec   2 datagrams received out-of-order

```

Shutting down the iperf server

server: h1 client: h4  
Done running iperf on server, starting client now

```

-----
Client connecting to 10.0.0.1, UDP port 5001
Sending 1470 byte datagrams
UDP buffer size:  208 KByte (default)

```

```

-----
[ 3] local 10.0.0.4 port 37872 connected with 10.0.0.1 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3]  0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3]  0.0-11.2 sec  13.0 MBytes  9.72 Mbits/sec   0.400 ms 3489/12754 (27%)
[ 3]  0.0-11.2 sec   2 datagrams received out-of-order

```

Shutting down the iperf server

server: h2 client: h4  
Done running iperf on server, starting client now

```

-----
Client connecting to 10.0.0.2, UDP port 5001
Sending 1470 byte datagrams
UDP buffer size:  208 KByte (default)

```

```

-----
[ 3] local 10.0.0.4 port 54675 connected with 10.0.0.2 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3]  0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3]  0.0-10.0 sec  17.7 MBytes  14.9 Mbits/sec   0.118 ms 103/12755
(0.81%)
[ 3]  0.0-10.0 sec   1 datagrams received out-of-order

```

Shutting down the iperf server

server: h3 client: h4

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.3, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.4 port 45812 connected with 10.0.0.3 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-11.2 sec	12.7 MBytes	9.51 Mb/s	0.369 ms	3691/12754 (29%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-11.2 sec	1 datagrams received out-of-order			
------	--------------	-----------------------------------	--	--	--

Shutting down the iperf server

server: h5 client: h4

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.5, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.4 port 50357 connected with 10.0.0.5 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s	0.015 ms	0/12755 (0%)
------	--------------	-------------	-----------	----------	--------------

[ 3]	0.0-10.0 sec	1 datagrams received out-of-order			
------	--------------	-----------------------------------	--	--	--

Shutting down the iperf server

server: h6 client: h4

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.6, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.4 port 43211 connected with 10.0.0.6 port 5001

```
[ ID] Interval      Transfer      Bandwidth
[  3]  0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[  3] Sent 12756 datagrams
[  3] Server Report:
[  3]  0.0-10.2 sec   11.4 MBytes  9.43 Mbits/sec    0.319 ms 4592/12755 (36%)
[  3]  0.0-10.2 sec    1 datagrams received out-of-order
```

Shutting down the iperf server

server: h7 client: h4

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.7, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.4 port 44220 connected with 10.0.0.7 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-11.2 sec 12.4 MBytes 9.29 Mbits/sec 0.462 ms 3943/12755 (31%)  
[ 3] 0.0-11.2 sec 25 datagrams received out-of-order

Shutting down the iperf server

server: h8 client: h4

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.8, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.4 port 33154 connected with 10.0.0.8 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-11.2 sec 12.3 MBytes 9.25 Mbits/sec 0.353 ms 3987/12756 (31%)  
[ 3] 0.0-11.2 sec 27 datagrams received out-of-order

Shutting down the iperf server

server: h1 client: h5

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.1, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.5 port 38420 connected with 10.0.0.1 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-11.2 sec	13.0 MBytes	9.72 Mb/s	0.428 ms	3488/12755 (27%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-11.2 sec	2 datagrams received out-of-order			
------	--------------	-----------------------------------	--	--	--

Shutting down the iperf server

server: h2 client: h5

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.2, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.5 port 58488 connected with 10.0.0.2 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.0 sec	17.7 MBytes	14.9 Mb/s	0.093 ms	123/12755 (0.96%)
------	--------------	-------------	-----------	----------	-------------------

[ 3]	0.0-10.0 sec	1 datagrams received out-of-order			
------	--------------	-----------------------------------	--	--	--

Shutting down the iperf server

server: h3 client: h5

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.3, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.5 port 59314 connected with 10.0.0.3 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

```
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3]  0.0-11.2 sec  12.7 MBytes  9.50 Mbites/sec   0.283 ms 3698/12755 (29%)
[ 3]  0.0-11.2 sec   1 datagrams received out-of-order
```

Shutting down the iperf server

server: h4 client: h5

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.4, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.5 port 57462 connected with 10.0.0.4 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbites/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbites/sec 0.013 ms 0/12755 (0%)  
[ 3] 0.0-10.0 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h6 client: h5

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.6, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.5 port 46090 connected with 10.0.0.6 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbites/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-11.2 sec 12.6 MBytes 9.45 Mbites/sec 0.424 ms 3772/12754 (30%)  
[ 3] 0.0-11.2 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h7 client: h5

Done running iperf on server, starting client now

-----

Client connecting to 10.0.0.7, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.5 port 58561 connected with 10.0.0.7 port 5001

[ ID] Interval Transfer Bandwidth

[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mb/s

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3] 0.0-11.2 sec 12.3 MBytes 9.25 Mb/s 0.420 ms 3981/12754 (31%)

[ 3] 0.0-11.2 sec 3 datagrams received out-of-order

Shutting down the iperf server

server: h8 client: h5

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.8, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.5 port 47760 connected with 10.0.0.8 port 5001

[ ID] Interval Transfer Bandwidth

[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mb/s

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3] 0.0-11.2 sec 12.4 MBytes 9.29 Mb/s 0.422 ms 3939/12754 (31%)

[ 3] 0.0-11.2 sec 10 datagrams received out-of-order

Shutting down the iperf server

server: h1 client: h6

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.1, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.6 port 33793 connected with 10.0.0.1 port 5001

[ ID] Interval Transfer Bandwidth

[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mb/s

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3] 0.0-10.0 sec 17.3 MBytes 14.5 Mb/s 0.119 ms 384/12755 (3%)

[ 3] 0.0-10.0 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h2 client: h6

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.2, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.6 port 55549 connected with 10.0.0.2 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.4 sec	12.0 MBytes	9.71 Mb/s	0.440 ms	4192/12755 (33%)
------	--------------	-------------	-----------	----------	------------------

[ 3] 0.0-10.4 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h3 client: h6

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.3, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.6 port 45176 connected with 10.0.0.3 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.0 sec	17.7 MBytes	14.9 Mb/s	0.056 ms	117/12755 (0.92%)
------	--------------	-------------	-----------	----------	-------------------

[ 3] 0.0-10.0 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h4 client: h6

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.4, UDP port 5001

Sending 1470 byte datagrams



UDP buffer size: 208 KByte (default)

```
-----
[ 3] local 10.0.0.6 port 54724 connected with 10.0.0.4 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-11.2 sec  12.9 MBytes  9.63 Mbits/sec    0.348 ms 3559/12754 (28%)
[ 3] 0.0-11.2 sec   1 datagrams received out-of-order
```

Shutting down the iperf server

server: h5 client: h6

Done running iperf on server, starting client now

```
-----
Client connecting to 10.0.0.5, UDP port 5001
```

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

```
-----
[ 3] local 10.0.0.6 port 50675 connected with 10.0.0.5 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-11.2 sec  12.9 MBytes  9.61 Mbits/sec    0.431 ms 3582/12756 (28%)
```

Shutting down the iperf server

server: h7 client: h6

Done running iperf on server, starting client now

```
-----
Client connecting to 10.0.0.7, UDP port 5001
```

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

```
-----
[ 3] local 10.0.0.6 port 39077 connected with 10.0.0.7 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mbits/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-10.0 sec  17.5 MBytes  14.7 Mbits/sec    0.066 ms 249/12755 (2%)
[ 3] 0.0-10.0 sec   3 datagrams received out-of-order
```

Shutting down the iperf server

server: h8 client: h6

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.8, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.6 port 33384 connected with 10.0.0.8 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.0 sec	17.5 MBytes	14.7 Mb/s	0.084 ms	277/12755 (2.2%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-10.0 sec	27 datagrams received out-of-order			
------	--------------	------------------------------------	--	--	--

Shutting down the iperf server

server: h1 client: h7

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.1, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.7 port 48817 connected with 10.0.0.1 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3]	0.0-10.0 sec	17.0 MBytes	14.3 Mb/s	0.153 ms	626/12755 (4.9%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-10.0 sec	2 datagrams received out-of-order			
------	--------------	-----------------------------------	--	--	--

Shutting down the iperf server

server: h2 client: h7

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.2, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.7 port 41772 connected with 10.0.0.2 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

```
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-11.2 sec 13.0 MBytes 9.72 Mbits/sec 0.409 ms 3488/12755 (27%)
[ 3] 0.0-11.2 sec 2 datagrams received out-of-order
```

Shutting down the iperf server

server: h3 client: h7

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.3, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.7 port 50920 connected with 10.0.0.3 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-10.0 sec 17.3 MBytes 14.6 Mbits/sec 0.112 ms 382/12755 (3%)  
[ 3] 0.0-10.0 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h4 client: h7

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.4, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.7 port 35121 connected with 10.0.0.4 port 5001  
[ ID] Interval Transfer Bandwidth  
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mbits/sec  
[ 3] Sent 12756 datagrams  
[ 3] Server Report:  
[ 3] 0.0-11.2 sec 12.9 MBytes 9.63 Mbits/sec 0.362 ms 3580/12755 (28%)  
[ 3] 0.0-11.2 sec 2 datagrams received out-of-order

Shutting down the iperf server

server: h5 client: h7

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.5, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.7 port 40854 connected with 10.0.0.5 port 5001

[ ID] Interval Transfer Bandwidth

[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mb/s

[ 3] Sent 12757 datagrams

[ 3] Server Report:

[ 3] 0.0-11.2 sec 12.9 MBytes 9.62 Mb/s 0.504 ms 3579/12756 (28%)

[ 3] 0.0-11.2 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h6 client: h7

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.6, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.7 port 44524 connected with 10.0.0.6 port 5001

[ ID] Interval Transfer Bandwidth

[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mb/s

[ 3] Sent 12756 datagrams

[ 3] Server Report:

[ 3] 0.0-10.0 sec 17.5 MBytes 14.7 Mb/s 0.087 ms 248/12755 (1.9%)

[ 3] 0.0-10.0 sec 1 datagrams received out-of-order

Shutting down the iperf server

server: h8 client: h7

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.8, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.7 port 38443 connected with 10.0.0.8 port 5001

[ ID] Interval Transfer Bandwidth

[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mb/s

[ 3] Sent 12756 datagrams

[ 3] Server Report:

```
[ 3] 0.0-10.0 sec 17.9 MBytes 15.0 Mb/s 0.018 ms 0/12755 (0%)
[ 3] 0.0-10.0 sec 1 datagrams received out-of-order
```

Shutting down the iperf server

server: h1 client: h8

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.1, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.8 port 38419 connected with 10.0.0.1 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.0 sec	17.0 MBytes	14.2 Mb/s	0.107 ms	643/12756 (5%)
------	--------------	-------------	-----------	----------	----------------

[ 3]	0.0-10.0 sec	1 datagrams received out-of-order		
------	--------------	-----------------------------------	--	--

Shutting down the iperf server

server: h2 client: h8

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.2, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.8 port 40895 connected with 10.0.0.2 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-11.2 sec	13.0 MBytes	9.72 Mb/s	0.462 ms	3489/12755 (27%)
------	--------------	-------------	-----------	----------	------------------

[ 3]	0.0-11.2 sec	29 datagrams received out-of-order		
------	--------------	------------------------------------	--	--

Shutting down the iperf server

server: h3 client: h8

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.3, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

```
-----
[ 3] local 10.0.0.8 port 45871 connected with 10.0.0.3 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mb/s/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-10.0 sec  17.3 MBytes  14.5 Mb/s/sec   0.145 ms  388/12755 (3%)
[ 3] 0.0-10.0 sec   1 datagrams received out-of-order
```

Shutting down the iperf server

server: h4 client: h8

Done running iperf on server, starting client now

```
-----
Client connecting to 10.0.0.4, UDP port 5001
Sending 1470 byte datagrams
UDP buffer size: 208 KByte (default)
-----
[ 3] local 10.0.0.8 port 44526 connected with 10.0.0.4 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mb/s/sec
[ 3] Sent 12757 datagrams
[ 3] Server Report:
[ 3] 0.0-11.2 sec  12.9 MBytes  9.63 Mb/s/sec   0.389 ms 3583/12755 (28%)
[ 3] 0.0-11.2 sec   1 datagrams received out-of-order
```

Shutting down the iperf server

server: h5 client: h8

Done running iperf on server, starting client now

```
-----
Client connecting to 10.0.0.5, UDP port 5001
Sending 1470 byte datagrams
UDP buffer size: 208 KByte (default)
-----
[ 3] local 10.0.0.8 port 37638 connected with 10.0.0.5 port 5001
[ ID] Interval      Transfer      Bandwidth
[ 3] 0.0-10.0 sec  17.9 MBytes  15.0 Mb/s/sec
[ 3] Sent 12756 datagrams
[ 3] Server Report:
[ 3] 0.0-10.3 sec  11.8 MBytes  9.57 Mb/s/sec   0.399 ms 4336/12755 (34%)
[ 3] 0.0-10.3 sec   1 datagrams received out-of-order
```

Shutting down the iperf server

server: h6 client: h8

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.6, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.8 port 33360 connected with 10.0.0.6 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.0 sec	17.5 MBytes	14.7 Mb/s	0.071 ms	267/12756 (2.1%)
------	--------------	-------------	-----------	----------	------------------

Shutting down the iperf server

server: h7 client: h8

Done running iperf on server, starting client now

-----  
Client connecting to 10.0.0.7, UDP port 5001

Sending 1470 byte datagrams

UDP buffer size: 208 KByte (default)

-----  
[ 3] local 10.0.0.8 port 51213 connected with 10.0.0.7 port 5001

[ ID]	Interval	Transfer	Bandwidth
-------	----------	----------	-----------

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s
------	--------------	-------------	-----------

[ 3]	Sent 12756 datagrams		
------	----------------------	--	--

[ 3]	Server Report:		
------	----------------	--	--

[ 3]	0.0-10.0 sec	17.9 MBytes	15.0 Mb/s	0.016 ms	0/12755 (0%)
------	--------------	-------------	-----------	----------	--------------

[ 3]	0.0-10.0 sec	1 datagrams received out-of-order		
------	--------------	-----------------------------------	--	--

Shutting down the iperf server