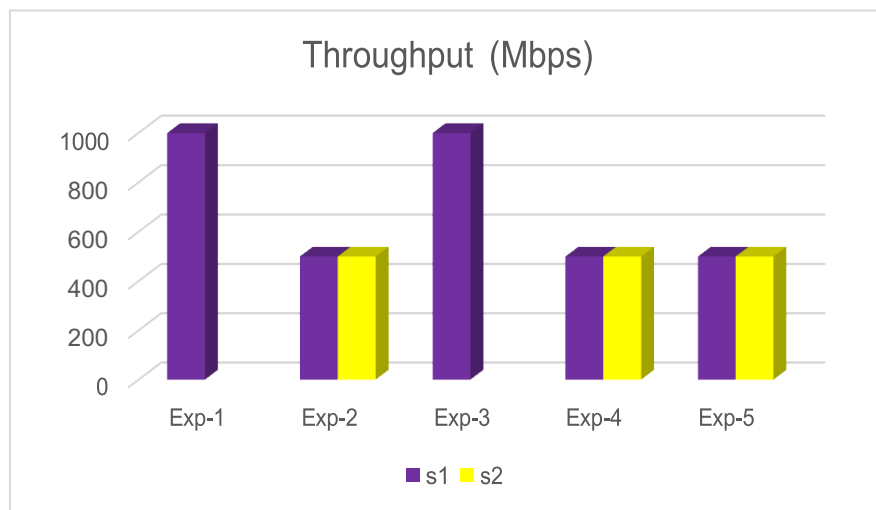


Analysis of TCPBic and DCTCP

TCP analysis

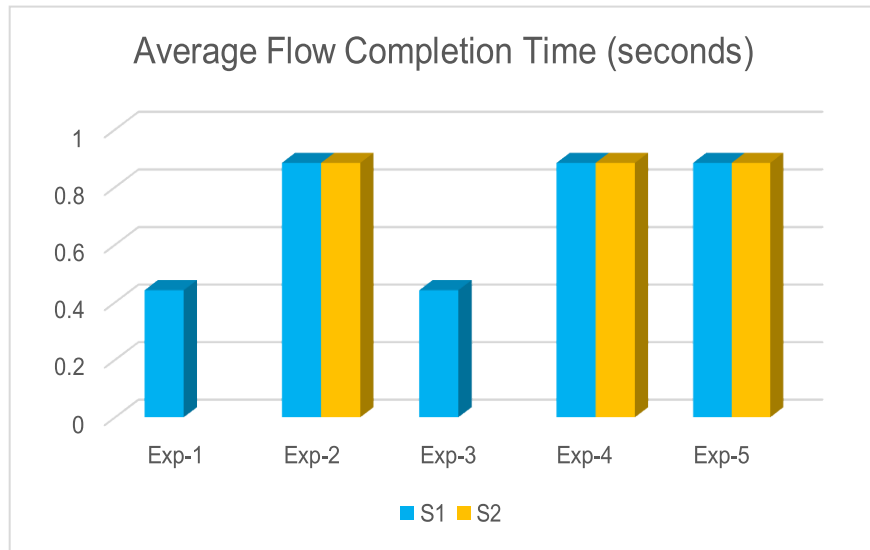
Plot of average throughput:



Analysis:

- X axis has all 5 experiments
 - Y axis has throughput values in Mbps
 - S1 (node 0) – Purple; S2 (node 1) – Yellow
- 1) TcpCubic → While transferring data in exp-1 from s1 to d1, the observed throughput is higher as compared to exp-2 where s1 and s2 both were sending data simultaneously.
 - 2) TcpDcTcp → While transferring data in exp-3 from s2 to d2, the observed throughput is higher as compared to exp-4 where s1 and s2 both were sending data simultaneously.
 - 3) TcpCubic vs TcpDcTcp → In exp-5, we used tcpbic for data transfer from s1 to d1 and TcpDcTcp for data transfer from s2 to d2, where the observed throughput remained the same without any deviation despite using different protocols.

Plot of average flow completion time:



Analysis:

- X axis has all 5 experiments
 - Y axis has average flow completion time values in seconds
 - S1 (node 0) – Blue; S2 (node 1) – Yellow
1. In exp-1 and exp-2, the average flow completion time for sending the data from s1 to d1 was less when compared with sending the data simultaneously from s2 to d2 and s1 to d1.
 2. In exp-3 and exp-4, the average flow completion time for sending the data from s1 to d1 was less when compared with sending the data simultaneously from s2 to d2 and s1 to d1.
 3. In exp-5, the average flow completion time for sending the data from s1 to d1 using tcpbic and from s2 to d2 using TcpDcTcp remained the same without any deviation.