

Week 5(24-09-2021)

1. Compare the performance of TCP(FTP Traffic) and UDP(CBR Traffic) in grid topology (25 nodes) and bus topology (10 nodes). Measure and plot the graphs for the following metrics in different simulation time interval
 - (i) Throughput
 - (ii) End-to-end delay
 - (iii) Packet drop ratio
 - (iv) Bandwidth utilization
2. Compare the performance of TCP Tahoe and TCP Reno protocols with 50 nodes under different network traffic (Low traffic: 5% of nodes transmit, Medium Traffic: 15% of nodes transmit; High Traffic: 25 % of nodes transmit). Simulation time is 50sec.

Measure and plot the graphs for the following metrics under different traffic

- (i) PDR Vs Simulation time interval (10sec, 20,30,40 and 50sec)
- (ii) Control Overhead Vs Simulation time interval
- (iii) Congestion rate Vs Simulation time interval