Abstract

High speed wired communication are large bandwidth utilized network but shared by multiple sender that is crucial challenge for congestion control for that types of network. This paper identifies that dynamic queue and multipath based routing strategies for wired networks are more suitable for congestion control and memory management as compared to existing queue based congestion control, paper describe about existing queue techniques that is RED, Drop-tail etc. and its result impact than compare their results with proposed dynamic base multipath routing in wired network scenario and conclude that in proposed mechanism better bandwidth utilized and control the congestion as well as data drop in multiple sender environment. The results retrieved from network simulator-2 and analyzed the performance of packet delivery ratio, throughput, TCP and UDP data sends and receives in proposed environment deployed based.

Index Terms

Computer Science Networks
Keywords

TCP, UDP, Wired Communication, Drop-tail, RED, Queue base Drop, PDR, Packet Drop, Throughput