Abstract

TCP- Transmission Control Protocol is a connection oriented and reliable transport layer protocol of TCP/IP protocol suite. TCP provided process-to-process, stream and full duplex communication. TCP also provides flow control, error correction and congestion control. Congestion is the traffic jam of the packets in the network. It occurs when the load in the network is higher than of its capacity to handle. This paper explains basic congestion control mechanisms used by TCP. This paper also discuss some of the possibilities of future research work in TCP congestion control. This all TCP variants have been proposed to improve TCP congestion control mechanisms. This paper explores some of the most widely used TCP variants conceptually.

References


**Index Terms**

Computer Science  
Networks

**Keywords**

TCP, Tahoe, Reno, NewReno, Vegas, BuS, ELFN