

ABSTRACT

Web browsing is the common activity that internet user do. Web browsing activity is going well depend on some point. One of the point is how the webserver work. Webserver is the media of web browsing activity. The quality of good Web server have a some parameter, which is a good web server will not distrtact the activity of the user while they browsing through the Internet. Internet browsing categorized short lived, then there is a needed improvement of intenet protocol which is can speed up the internet browsing activity. Web browsing activity can be measure with the performance of network .One of the variable can control the transmission data is the value of initial congestion window, that work at the initial statement of connection.

This final project will examine about finding the optimal value of initial congestion windows on Webserver. Research will based on simulation on LAN network and scenario based on changing the number of client. Parameter which is describing the quality of network based on delay, throughput and packet loss. From the result of this project, the optimal TCP initial congestion window value is 16.

Keywords: *initcwnd, congestion window, initial, TCP, congestion control, webserver, QoS*