Abstract

TCP is a reliable protocol that is often used to transmit data. However, TCP can only use one interface. In fact, device such as computers and smartphones already have multiple interfaces that should be able to use multiple paths in the network infrastructure. MPTCP is an extension of TCP. MPTCP can use the multiple paths feature so it can provide better performance than TCP if is used on the internet because it can select efficient. There are various congestion control algorithms for MPTCP such as wVegas and Balia. The existing experiment between wVegas and Balia haven't examined in term of responsiveness. Therefore, in this Final Project, we examine the performance defference between wVegas and Balia in term of responsiveness. wVegas is better in term of responsiveness. It because wVegas use delay as congestion signal, so wVegas is more sensitive to changes of network congestion and the changes of network congestion is marked by changes of delay.

Keywords: TCP, MPTCP, wVegas, Balia.