Abstract

Bandwidth is an expensive commodity on networks. The amount of bandwidth we got is on a linear term with the amount of money we have to spend. One of many ways to accommodate the need of bandwidth is with bandwidth management. Packet scheduling is one of bandwidth management technique that can be use for implementing QoS. Nowadays, there is a lot of packet scheduling's algorithm created, one of them is HFSC. HFSC is a more complex algorithm compare to PRIQ. With HFSC we can allocating bandwidth for each class of the packet define, allocating unused bandwidth from one class to the other class, and scheduling packet based on its priority. In this final exam we will analyzing QoS performance of PRIQ and HFSC algorithm, especially for real-time application, such as VoIP.

Keyword: Bandwidth management, QoS performance, PRIQ, HFSC, VoIP