

ABSTRACT

Internet service is very important. This is proven by many organizations or institutions use internet access massively. Utilizing internet access massively makes degradation of network performance with increase amount of user. One of solution to avoid performance degradation is managing bandwidth.

Bandwidth manager is occupy an important role in manage alocation of bandwith to each different service internet application. A good bandwidth management is expected to provide QoS (Quality of Service) appropriately to each service or different agency. Researchers was offered different QoS technics to facilitate the process of bandwidth management in a network.

CBQ (Class Based Queueing) and HFSC (Hierarchical Service Curve) are queuing discipline which can use to manage hierachical bandwidth. Both of them can be obtained in linux operating system so we can get free to be implemented.

From the implementation result is expected to know advantage and disadvantage the algorithm of bandwidth manager to distribute banwidth fairly to user, so network performance can avoid from degradation.

STTELKOM