Abstract

In the millennial era like today the need for internet use is increasing, both the world of work for processing data and individuals for mere entertainment. To make a better network infrastructure, of course, it requires proper handling and adapted to the needs in the field. In this study, we raised the theme of Quality of Service Optimization (Qos) with the Hierarchical Token Bucket Method that will be used at PT Miftah Mandiri, which while still in the Company still did not have bandwidth management and still had problems regarding bandwidth management so there were many quality complaints against the internet. from the user. So that it creates a lack of internet users. To overcome the problem at the company I have a solution by applying the HTB method. The workings of the HTB method is to divide the bandwidth into several classes, where there are two main classes, namely parent and child, this method allows the user to get additional bandwidth temporarily according to the size of the bucket to be made. From the application of the HTB method, it can be concluded that the bandwidth obtained between users becomes more stable and equitable, this can be proven by using Speedtest and traffic monitoring. In addition, network connectivity is also more stable because the bandwidth of the client is controlled.

Keywords *- Quality of service, bandwidth, Hierarchical Token bandwidth, HTB.*