

## ABSTRACT

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As the customer's appetite for internet becomes bigger and bigger alongside with their number, feasibly the importance of traffic management scheme has become clearer and clearer. Services such as voice data and video streaming that used to test the system to the extreme is possible now because of advance scheme and protocol are employed. In order to understand it in depth, it may requires an investigation which is this project all about of the past and the development since the works of the current scheme and protocol were enhancement or based on the previous version. Apart from that, based on modelling and simulation technique the report will also cover statistical analysis of one of the available traffic management scheme using some of the network performance under different traffic loading scenario or environment. In conjunction with it, the behaviour of the packet switched network will be studied as well in these scenarios.