

Abstract

The Internet is a worldwide network that has been and is very often used to find information or communicate. Low cost and easy access make Internet's users increase every year. With the increasing of internet's users, cyber criminal on virtual world via the internet is also growing.

Secure Socket Layer (SSL) and IPSecurity (IPSec) is a protocol on TCP/IP which provides security facilities such as confidentiality, integrity, and validity (cryptosystem) data. In this final project, a comparative analysis will be conducted with the performance of IPSec VPN versus SSL VPN, that will be implemented in IPv6 over IPv4, to find out the security protocol which has better performance based on QoS parameters such us delay, jitter, throughput and bandwidth.

Kata Kunci: IPSec, SSL, IPv6, VPN.