Abstract

Internet Protocol Security (IPSec) and Secure Socket Layer (SSL) are the most deployed security protocol to improve VPN security. This because both protocol fulfill security criteria and have securing capability more than any other security protocol.

Beside securing capability, security protocol performance also can be tested with other parameters such as throughput and delay. This parameters will show security protocol's Quality of Service (QoS) from network performance capability.

The IPSec VPN and SSL VPN implementing scenario is remote access. Remote access VPN allow mobile VPN user to connect to private network. On private network will use IPv6 standard because most of Local Area Network already support IPv6 standard.

Keyword*: IPSec, SSL, IPv6, VPN, Rem*ote Access.