Abstract

Internet Protocol Security (IPSec) is a protocol suite for securing Internet Protocol (IP) communications by authenticating and encrypting each IP packet of a data stream. IPSec architecture requires the host to provide confidentiality using Encapsulating Security Payload and data integrity using either Authentication Header or Encapsulating Security Payload and anti-replay protection. IPSec has become the most common network layer security control and, a widely deployed mechanism for implementing Virtual Private Networks (VPNs). This paper presents analysis of IPSec VPN for videoconference in real time traffic over a secure communication links by implementing an IPSec-based VPN technology.
Performance Analysis of IP Security VPN


Index Terms

Computer Science
Internet Security

Key words

Authentication Header (AH)
Encapsulating Security Payload (ESP)
IP Security (IPSec)
Tunnel
Transport
Virtual Private Networks (VPN)
Quality of Service (QoS)