Abstract

IPv6 is an Internet layer protocol used for assigning network addresses to communicate with devices across the Internet. It is an extended version of IPv4 networks. IPv6 is efficient and secure because of its built-in security feature. IPSec is intended to provide security to IP networks. It provides authenticity, integrity, and confidentiality of data by using secured tunnel. Organizations which have their branches located across different geographical locations need to protect their data by making secure connection with their respective peers. This secure connection can be implemented using IPSec which avoid security threats related to confidentiality and integrity of data.

References


**Index Terms**

Computer Science

Networks

**Keywords**

IPv6 IPv6 security IPSec GNS3 Wireshark