AN ASSESSMENT BETWEEN LAYER-BASED PROTOCOLS FOR DESIGN AND DEVELOPMENT OF VIRTUAL PRIVATE NETWORKS

M. SREEDEVI[1] AND R. SESHADRI[2]

[1]Research Scholar, C.S.E, S.V.U.C.E,
[2]Director, Computer Center, S.V.U,
Tirupati, A.P., India.

Abstract

As most of the organizational networks grow and increase in telecommuting, corporate branch offices, and a mobile work force, and the global use and availability of the internet is transforming business-to-business communications very rapidly and dramatically. The need to securely and inexpensively share sensitive information with employees, partners and customers worldwide is driving many organizations to deploy Virtual Private Networks (VPNs) to afford convenience and to save considerably in communications costs and point-to-point leased lines can be virtually eliminated when a VPN is established and implemented properly with suitable protocols. The VPN is the major role for secure communication in an insecure network. In an Internet solution, few Internet connections through Internet service providers and VPN server computers can serve the remote networking needs of hundreds or thousands of remote clients. In this paper, it has been made an exhaustive Performance assessment between different categories of protocols used for the design of VPN at different layers of OSI model.

Keywords : Protocol, Tunnel, Internet Service Provider, Remote Access Server