Abstract

The emerging automated world necessitates an elaborate infrastructure to comply with the growing traffic and ensure a reliable mode of communication. This paper proposes a multi path Virtual Private Network (VPN) with assuaging options through which remote sites are connected over a shared provider network. It articulates a scheme with a view to extract the best values for the performance metrics in the path that transfers the data with minimum utilization of bandwidth. The methodology encompasses measures to continue the process through the next minimum bandwidth path in the event of the occurrence of an exigency. It includes Network Simulator-2 (NS-2) results across a stream of flow to project its applicability in the context of creating a traffic free environment.

References

Algorithms for Virtual Private Networks in the Hose Model. Twenty-First Annual Joint Conference of the IEEE Computer and Communications Societies.


Index Terms

Computer Science

Networks
Keywords
Vpn  Bandwidth  Multipath Routing  Mpls