Reduction of Routing Delay in an Enterprise Network using Dynamic Multipoint Private Network

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Abstract

The more integrated networks are with the internet, the more our security concerns grow. Virtual Private Networks (VPNs) have been used to solve the problem of internet security. As more locations need to be securely connected, more configurations and greater complexity are given to a network design. Dynamic Multipoint VPN (DMVPN) was used in this research with some supporting protocols to allow changing of Internet Protocol (IP) addresses of remote locations. It proves to be a very scalable VPN technique with minimal configurations and robustness. Lesser delay between two branches of an organization among other advantages, such as elimination of triangular routing, and dynamic changing IP addresses were achieved.

References

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Index Terms

Computer Science Networks

Keywords

DMVPN, Internet, Routing delay, VPN