

عنوان مقاله:

MPLS VPN Over IP Tunnels

محل انتشار:

پنجمین کنفرانس بین المللی مطالعات بین رشته ای در مدیریت و مهندسی (سال: 1401)

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خلاصه مقاله:

Multiprotocol Label Switching is the protocol framework on which the attention of network service provider is focused as it provides privacy and unbreakable security to the users. So, it is used by ISP Backbone Network to form the MPLS Tunneling architecture like MPLS VPN which is discussed in this paper. Providers typically offer this type of service to large corporate customers that require IP connectivity of other remote sites. The main advantage is that MPLS is used over Layer ۲ and Layer ۳ protocols. It also discusses the concept of Traffic Engineering that utilizes Multiprotocol Label Switching and that also proves to be advantageous over IP based Routing. This Paper also discusses various Encryption Techniques which can be used for the security of MPLS Technology

کلمات کلیدی:

MPLS, IP, Security, COS, LSP, LDP, LSR, TE, VRF, FEC and VFEC, Backbones, IPSec, VPN

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