Research on traffic engineering in MPLS networks & Building simulation scenarios

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Abstract: This topic focuses on researching traffic engineering techniques in Multiprotocol Label Switching (MPLS) networks and building simulation scenarios to address issues of network system performance and stability. The objective is to identify methods for optimizing load balancing in MPLS to improve quality of service. The research methodology includes theoretical analysis, experimentation, and the deployment of simulation applications. The expected outcome of this topic is to contribute to the information technology industry by enhancing network performance and providing practical solutions for network administrators.

Keywords: MPLS, Network traffic, System simulation, Network architecture, Load optimization