

Research on traffic engineering in MPLS (Multi-Protocol Label Switching) technology and simulation on NS2.

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Abstract: This topic studies traffic engineering in Multi-Protocol Label Switching (MPLS) technology to address network performance management issues. The objective is to build a simulation system based on NS2 to simulate real-world scenarios and evaluate MPLS performance. The applied methodology includes both theoretical research and experimental application deployment, aiming to identify optimal strategies for traffic management in diverse protocol networks. The expected outcomes of this topic are new contributions to traffic management and the ability to deploy a more efficient MPLS system in modern network applications.

Keywords: MPLS, Traffic Management, NS2 Simulation, Label Switching Technology, Multi-Protocol