

Research and evaluation of MPLS traffic engineering techniques

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Abstract: This topic aims to research and evaluate the Multiprotocol Label Switching (MPLS) traffic engineering technique in practice. The context for selecting this topic stems from the current need to enhance network performance and optimize data traffic. The main objective of the project is to analyze technical characteristics, conduct experimental testing, and identify improvements for the MPLS system at the research organization. The approach combines theoretical research and application deployment to ensure accuracy and practical applicability. The expected results of this topic not only contribute to a better understanding of MPLS technology but also provide technical solutions to improve overall network performance.

Keywords: MPLS, data traffic, technical evaluation, network system, technology improvement