

Design and implement an MPLS-VPN network system simulation for the Nam Truc - Nam Dinh electricity branch.

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Abstract: This topic focuses on the design and implementation of a Multiprotocol Label Switching (MPLS)-Virtual Private Network (VPN) system simulation for the Nam Truc - Nam Dinh electricity branch. The research context stems from the need to optimize data transmission performance between different locations of the company. The objective of the topic is to build a secure, flexible, and cost-effective network system for internal information sharing. The method combines theoretical research on MPLS-VPN with experimental simulation setup on simulators. The expected results contribute to the development of network technology in enterprises and enhance the operational capacity of the branch.

Keywords: MPLS-VPN, network system design, network simulation, enterprise branch, performance optimization