

Research evaluating the performance of the EIGRP protocol on IPv4 and IPv6 infrastructure

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Abstract: This topic aims to evaluate the performance of the EIGRP protocol in managing IPv4 and IPv6 networks. The context for selecting this topic stems from the necessity of a robust protocol solution to optimize modern network structures. The objective of the research is to determine the adaptability, transmission performance, and stability of EIGRP across different IP platforms. The approach combines theory with experimentation, evaluated through simulation and real-world deployment. Expected results will provide important insights into selecting the appropriate protocol for complex network systems, contributing to improved service quality and operational performance.

Keywords: EIGRP, IPv4, IPv6, performance evaluation, network management