

Research evaluating and comparing the performance of OSPF and EIGRP protocols in IPv6 network infrastructure

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Abstract: This topic aims to research, evaluate, and compare the performance of two popular network protocols, OSPF and EIGRP, in an IPv6 network environment. The context arises from the practical need for network management and performance optimization essential for modern organizations transitioning to IPv6. Through a combination of theoretical research and experimental methods, the topic will identify and analyze the technical characteristics of both protocols to assess their performance under IPv6 network conditions. The expected results from this study will help improve knowledge of IPv6 network management and optimization, providing network administrators with valuable guidance in selecting the appropriate solution. At the same time, the topic also contributes to the development of network technology by identifying current trends and challenges.

Keywords: IPv6, OSPF, EIGRP, network performance, network management