

Research on the EIGRP routing protocol

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Abstract: In the context of increasingly developed and diverse computer networks, selecting an efficient routing method becomes important. This topic focuses on the Enhanced Interior Gateway Routing Protocol (EIGRP) to study and evaluate its technical characteristics, advantages, and disadvantages. The objective of the research is to explore how EIGRP operates, implement it experimentally on a simulated network, and compare its performance with other routing protocols. The method combines theory and experimentation to provide a comprehensive view of this protocol. Expected results confirm the role of EIGRP in peer-to-peer network environments while indicating directions for future development.

Keywords: EIGRP, Interior Routing, Network Research