

Performance evaluation of routing protocols for wireless Ad-hoc networks

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Abstract: In this topic, we focus on evaluating the performance of routing protocols in wireless mobile ad-hoc networks. The reason for choosing this topic is based on the necessity of optimizing data transmission capability in an infrastructure-less environment. The objective is to develop and compare efficient routing protocols to determine the best solution for specific ad-hoc applications. The research methodology includes both theoretical and experimental approaches to assess performance based on various factors such as reliability, response speed, and energy consumption. Through this, the topic aims to contribute to the development of wireless mobile ad-hoc network technology.

Keywords: Ad-hoc routing, Routing protocol, Mobile network, Data transmission performance