

Performance evaluation of AODV and AOMDV routing protocols in Ad-hoc networks

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Abstract: In the context of the increasingly developing wireless mobile ad-hoc network, evaluating the performance of the two routing protocols AODV and AOMDV becomes important. This study aims to analyze and compare the technical characteristics of both protocols through practical experiments on an ad-hoc network model. The research method includes deploying experimental applications, collecting data on transmission performance and routing time, then analyzing to draw results and recommendations. The study is expected to contribute to a deeper understanding of routing protocols in ad-hoc networks.

Keywords: AODV routing protocol, AOMDV routing protocol, Ad-hoc network, performance evaluation