

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

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Abstract: In the context of the rapid development of mobile technology, optimizing the performance of ad hoc networks has become important. This topic aims to evaluate the performance of two routing protocols: AODV (Ad hoc On-demand Distance Vector) and AOMDV (Ad hoc Multi-path Orthogonal Multipath Distance Vector). Through a combination of theoretical research and experimentation, the main objective is to identify the advantages, disadvantages, and applicability of these protocols in ad hoc networks. The expected results will provide useful information for selecting and deploying effective routing protocols.

Keywords: Performance evaluation, Routing protocol, Ad hoc network