

Research and performance evaluation of AODV and DSDV protocols in MANET

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Abstract: In the context of data transmission in Mobile Ad hoc Networks (MANET) becoming increasingly important, this topic aims to study and evaluate the performance of two routing protocols, Ad hoc On-demand Distance Vector (AODV) and Dynamic Source Routing (DSDV), through a combination of theoretical and experimental methods. The expected results will contribute to identifying the advantages and disadvantages of each protocol to guide appropriate selection in specific applications, thereby improving data transmission performance in MANET.

Keywords: MANET, AODV, DSDV, Routing, Performance Evaluation