

Simulation, comparison, and performance evaluation of DSDV and DSR protocols in Ad-hoc networks

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Abstract: This topic focuses on simulating, comparing, and evaluating the performance of two prominent protocols, DSDV (Dynamic Source Routing) and DSR (Distance Vector Source Routing), in Ad-hoc networks. The context of the topic stems from the need to optimize data transmission performance in dynamic wireless networks. The objective is to build a theoretical model to evaluate and compare the performance of both protocols through experimental deployment, thereby improving the operational capability of Ad-hoc network systems. The expected results from this topic will make an important contribution to a better understanding of the structure and performance of transmission protocols in Ad-hoc networks.

Keywords: Ad-hoc Network, DSDV Protocol, DSR Protocol, Simulation, Performance Evaluation