

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

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Abstract: In the field of mobile ad-hoc networks, selecting an appropriate routing protocol plays a crucial role. This topic aims to evaluate the performance of two routing protocols: AODV (Ad hoc On-demand Distance Vector) and DSDV (Distributed Spreading of Destination-Sequence Vector). Accordingly, the research context is proposed based on the practical need to ensure stable mobile network services. The objective of the project is to build an experimental comparison system to evaluate the performance of both protocols in different scenarios, thereby drawing conclusions and proposing improvement methods to enhance their practical applicability.

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