

Performance Evaluation of Quality of Service in Proposed Routing Protocol DS-AODV

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Abstract – Due to the recent developments in the hand-held devices and communication enhancements in wireless networks like mobile ad-hoc network (MANETs), these networks are targeted for providing real time services like video streaming, video conferencing, VOIP etc. Although, the basic design of MANETs is not fully capable to provide multimedia services, therefore some sort of quality-of-service is required in these networks. In this paper, I have proposed a delay-aware routing protocol that discovers routes for a source-destination pair with the application provided delay constraints. The methodology is focused on using a reactive routing approach, AODV, to discover the delay-aware routes during its route discovery phase. In this way, we are able to provide the QoS to the requesting application in terms of delay metric.

Keywords – AODV, delay-aware routing protocol MANET, VOIP.