An acknowledgement based Application for Finding selfish nodes

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Abstract - Literature review revealed, routing misbehavior in Manets (Mobile Ad hoc Networks). In general , routing protocols for Manets are designed based on the assumption that all anticipating nodes are fully coorerative. However, due to the oen structure and scarcely available battery based energy , node misbehaviout may exist. One such routing misbehavior is that some selfish nodes will participate in the route discovery and maintenance processes but refuse to forward data packets . In this project we propose the 2ACK scheme that serves as an add-on technique for routing schemes to detect routing misbehaviour and to mitigrate their adverse effect . The main idea of the 2 ACK scheme is to send two hop acknowledgement packets in the opposite direction of the routing path . In order to reduce routing overhead , only a fraction of the received data packets are acknowledged in the 2ACK scheme . Analytical and simulation results are presented to evaluate the performance of the proposed project . Here find the behavior of single node and punishing the misbehaving node , rather than finding the misbehaving links and punishing both nodes .