

PACKET DROPPING ATTACK DETECTION TECHNIQUES IN MANETS: A REVIEW

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ABSTRACT

Mobile ad hoc networks (MANET) are an autonomous system of mobile nodes connected by wireless links. Each node can act as a host (sender or receiver) or a router for forwarding the data packets in the network. Mobile ad hoc networks have several issues like routing, multicasting, quality of service, dynamic topology and energy constrained operation etc. An attacker can exploit the cooperative nature of mobile nodes and routing protocols to launch an attack. Security attack in MANETs are divided into two broad categories active attacks and passive attacks Packet dropping attack is an active attack in which attacker wants to drop the packets during the communication between sender and destination to decrease the throughput. In this paper, we present the review on packet dropping attack detection approaches with their pros and cons.

KEYWORDS: Confidant, Manet, Packet Dropping Attack, PathRater, Side Channel Monitoring, TWO-ACK, Watchdog