

Mobile Ad-Hoc Network -Issues and Challenges

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Abstract: *Due to its self-upkeep and self-configuration characteristics or behavior, mobile ad hoc networks (MANET) have achieved great success and attention. Routing attacks are used to quickly alter the network topology of MANETs based on wired and wireless networks. Therefore, securing this network without infrastructure is a big problem. The routing protocols for ad-hoc networks can adapt to the topology's dynamic changes well, but they are not built to support defense against malicious attackers. Malicious nodes have the ability to alter, reject, or promote fictitious routes to draw user data to pass through themselves. In this post, we go through a hybrid strategy for reducing MANET assaults that combines anonymity, one-way trapdoor protocol, hash functions, and elliptic curve cryptography.*

Keywords: Asymmetric Authentication, Attacks, Key Exchange, Routing, Security, Wireless Network

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