Indispensable feature of MANETs is security. MANET is a sort of wireless network communications that can construct itself on the run. One of the significant properties of MANET is dynamic organization. To lodge the varying topology and to provide security, well defined routing algorithms are needed. No protocols detain all the security attacks and provide strategies to prevent them. A network layer protocol is necessary to incorporate all security solution to protect both route and data forwarding operations. The aim of this paper is to analyze security issues and their countermeasures in the ad hoc network layer environment. We discuss the hazards on the network layer and various security protocols.

References


- S. Yi and R. Kravets, "Composite Key Management for Ad Hoc Networks,"
Security Attacks and Defensive Measures for Routing Mechanisms in MANETs – A Survey


Index Terms
Computer Science
Wireless Security
Keywords
Network-layer Attacks  Threats  Secure Routing  Defense Metrics