Abstract

Adhoc networks are infrastructure-less network designed for communication without aid of any centralised administration. An Adhoc network generally consists of fixed nodes. Another variation of Adhoc network is MANETs. MANETs consists of mobile nodes rather than fixed nodes. MANETs is self-configuring network of mobile nodes that can be formed anytime and anywhere. Due to dynamic nature of wireless medium, unpredictable topological changes, mobility and limited resource constraints, at network layer MANETs routing protocols poses various security challenges. AODV routing protocol is most popular protocol because of its low routing overhead and less algorithmic complexity. But it is vulnerable to various attacks because of lack of security system design, Blackhole and Grayhole attack being one of them. This paper evaluates performance of AODV under multiple Blackhole and Grayhole attacks.

References

- Latha Tamilselvan and V Sankarnarayan, "Prevention of Black Hole Attack in
Simulation of AODV under Multiple Blackhole and Grayhole Attack in MANETS


Index Terms
- Computer Science
- Security
Keywords
Adhoc MANETs AODV Blackhole Grayhole.