Abstract

Mobile Ad Hoc Network is a dynamic network which formed by collection of wireless nodes without any centralized support. Due its features mobile ad hoc network is more prone to security attacks. Black Hole Attack is one of them. Back hole attack is type of security attack in which all data packets routed towards node which not actually exist it drop all data packets. This research paper evaluate the performance of two mobile ad hoc network routing protocols DSR and GRP under black hole attack on certain parameters like end-to-end delay, network load and throughput. OPNET Modeler 14.5 is used as simulation tool. On the basis of observation it found GRP performs better as compared to DSR under black hole attack.
Performance Evaluation of DSR and GRP under Black Hole Attack

Pearson Education, 2004
- Mohammad Al-Shurman and Seong-Moo Yoo and Seungjin Park, “Black Hole Attack in Mobile Adhoc Networks”, AMCSE 04, April 2-3, Huntsville, AL, USA, 2004

Index Terms

Computer Science
Networks
Keywords
MANET  DSR  GRP  OPNET