Abstract

Security is very essential in both wired and wireless network communication. An ad hoc network is a collection of number of wireless computers having dynamically changing topology due to which the security issues are more in case of wireless networks. In this paper the aim is to provide a quantitative analysis of all the security challenges that effect the performance of MANET protocols by analyzing the effects on AODV (Ad hoc on demand vector routing protocol). The current paper will explain the concern of black hole, worm hole attacks and presents the impact on AODV routing protocol.

References

Quantitative Detection of AODV against Black Hole and Worm Hole Attacks in MANET

- IrshadUllah and Shoaib Ur Rehman, Analysis of Black Hole Attack on MANETs Using Different MANET Routing Protocols
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**Index Terms**

Computer Science  Mobile Networks

**Keywords**

Ad hoc network  protocol  AODV  black hole  worm hole  wireless network  packets