Abstract

Black hole attack is a category of denial of service attack in mobile ad hoc network (MANET) which broadcast itself as having the freshest or optimal route to deliver the packet from source to destination and all these kinds of attack happens due to the dynamic behavior of the wireless network. It is self configuring and infrastructure less network and uses different routing protocols to deliver the packet from one to another end such as AODV, DSR, DSDV and ZRP etc. In this paper, literature study of detection techniques of black hole attack in AODV based routing protocol is explaining also discusses some counter measures for the analysis of black hole attack in mobile ad hoc network.

References

2. Tseng Fan-Hsun, Chou Li-Der and Chao Han-Chieh, “A survey of black hole attacks in
wireless mobile ad hoc networks", Human-centric Computing and Information Sciences 2011, 1:4 a Springer open access journal.


15. Dokurer,Seimih “Simulation of Black hole Attack in wireless ad-hoc Networks” Master’s Thesis Atihm University, September 2006.


18. “Performance Evaluation of AODV routing Protocol under Black Hole attack with varying


**Index Terms**

Computer Science  
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**Keywords**

AODV; Black hole attack; DSDV; DSR; Routing Protocol