Abstract

A Mobile ad-hoc network (MANET) is a temporary network set up by wireless mobile computers (or nodes) moving arbitrary in the places that have no network infrastructure. In this paper the AODV routing protocol in MANET will be discussed. Also various security threats on MANET will be discussed with our major concern on the Black Hole attack. In the later part of this paper there is a description of different radio propagation models and then compare their performance on AODV, with and without Black Hole attack.
Comparison of different Radio Propagation Models with and without Black Hole Attack on AODV Routing Protocol in MANET

90–100.

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**Index Terms**

Computer Science  
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**Keywords**

AODV  
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Black Hole