Abstract

A network is a system in which two or more than two computer systems are linked together with wires or without wires. Mobile Ad-Hoc networks (MANETs) are self-directed and distributed networks. MANETs consists of mobile nodes that are free to move in and out of the network. Nodes may be mobile phones, laptops, PCs, Printers, mp3 players, iPods etc. that participate in the network. Any of these nodes can act as a host/router or it can act both at the same time. They can form different topologies depending on their connectivity with each other in the network. These nodes can configure themselves since they have self-configuration ability. They can be deployed into the network at any time as they do not need any infrastructure. Development of various types of routing protocols has occurred in the recent past. Due to their
dynamic topology, no infrastructure and no central management system MANETs are vulnerable to various security attacks. In this paper we have proposed a solution to detect and prevent multiple Black Holes in a network and find a secure way to transfer data from source to destination node.

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Index Terms

Computer Science
Networks
Keywords
Dos  Manet  Rrep  Rreq  Rerr  Aodv