Abstract

Mobile Ad hoc Network (MANET) is constructed from a collection of nodes that can move anywhere and anytime in different areas without any infrastructure. Each node works at the same time as router and host. Lack of a fixed infrastructure, wireless medium and dynamic topology makes MANET vulnerable to different kinds of attacks. In this paper, we investigate different mechanisms that have designed to detect or prevent black or gray hole attacks in AODV protocol. We discuss about advantages and disadvantages of the methods and also compare them.

Index Terms

Computer Science
Security
Key words

MANET
AODV

Black hole attack
Gray hole attack