Abstract

Security is an essential service for wired and wireless network communications. The success of mobile ad hoc networks (MANET) mainly depends on people's confidence in its security. In a MANET, a collection of mobile hosts with wireless network interfaces form a network without the aid of any fixed infrastructure or centralized administration. The characteristics of MANET pose challenges and opportunities in achieving security goals, such as confidentiality, authentication, integrity, availability, access control, and non-repudiation. There are a wide variety of attacks that target the weakness of MANET, and Black-hole attack and Denial of Service attack (DOS) are the most prominent among this. Most of the research is focused on detect and how avoid these attacks by compromising on the performance of the network. This paper considers network Quality of Service (QoS) has one of the prime important factor and with the Overhead and packet-Delivery are the two important criteria evaluate the performance of the network in the presence of the security attacks.
Index Terms

Computer Science

Mobile Networks

Keywords

MANET  QOS  AODV  Security Attacks