

COMPARATIVE ANALYSIS OF TRUST BASED AND INTRUSION BASED BLACK HOLE PREVENTION IN AODV IN MANET

RAJSHEKHAR TIWARI & MANISH SHARMA

Department of Electronics & Communication Engineering, Sanghvi Institute of Management & Science, Indore,
Madhya Pradesh, India

ABSTRACT

The Black hole attack is a serious threat in a mobile ad-hoc network (MANET). It has shown that blackhole effect can be minimized through adding trust agent in routing protocol as well as applying intrusion detection techniques. Here a performance Comparison is carried out between modified AODV trusted environment and modified AODV with specification based intrusion detection system. Various QOS parameter like throughput, NRL and Packet Delivery Fraction using open source simulation tool NS2 has been analyzed.

KEYWORDS: Ad-hoc, Trust with Delay Calculation, Routing, IDS