

DEFENCE MECHANISM AGAINST DOS ATTACK, BLACK HOLE AND GRAY HOLE ATTACK IN MANET USING EXATA

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Mobile Adhoc Network (MANET) is temporary network created by arranging wireless mobile nodes for data communication. MANET suffers from different kinds of attacks at all the layers of network model. Due to the absence of central authority and infrastructure, security has become a challenging issue. Security problem is mainly caused by the critical issue of mobile nature and selfishness of the malicious nodes. MANET is more vulnerable to security attacks: some of the attacks are Denial of Service(DOS) attack, Black hole attack and Gray hole attack. In this paper, Defensive AODV(DAODV) is proposed for the detection and removal of DOS attack, Black hole attack and Gray hole attack in MANET. This proposed method is simulated by using EXATA tool and the performance of proposed methodology is discussed.

