Abstract

The vehicular adhoc network is the type of network. It is self configuring and decentralized architecture. In the vehicular adhoc network two type of communication is possible which is vehicle to vehicle and vehicle to infrastructure. Due to decentralized architecture of vehicular adhoc networks many malicious nodes may join the network which is responsible to trigger various type of active and passive type of attacks. In the network various when some malicious nodes join the network and that nodes are responsible to trigger DOS type of attack which reduce network performance. Hence Dos attack is harmful due to inside as well as outside attackers. Experimental results show that the proposed scheme not only alleviates DOS attack but also performs better with negligible computational overhead.

References

1. R.M. Pai, N. Ajam, J. Mouzna, “Mitigation of Insider and outside DOS attack against Signature based Authentication in VANETs”, Asia-Pacific Conference on Computer Aided
Index Terms
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Keywords

VANET, Dos attack, Security, Availability