A network is a collection of two or more computer systems which connected with each other. It is type of replace of information to communicate with one another. It is an association or set up of computer devices which are involved with the communication facilities. When number of computer is connected simultaneously to exchange information they form networks and contribute to resources. Networking is used to distribute information like data communication. Sharing resources can be software type or hardware types. It is central administration system or supports these types of system [1]. The communications protocols used to organize network traffic, with the network’s size, its topology and its organizational intent. A network can be wired network and wireless network. Wired network is that which used wires for communicate with each other’s and wireless network is that which communicate without the use of wires through a medium. In this paper we will discuss the method to detect and Isolation of Selective Packet Drop Attack in Mobile Ad hoc Networks. Other aspects of the paper are:- • To study and evaluate the selective packet drop attack in MANET and its consequences. • To detect the selective packet drop in MANET using AODV protocol. • To propose a new scheme to detect malicious node in the network which are responsible for triggering the selective packet drop attack in the network. • Simulating the detection of selective packet drop attack using AODV protocol in MANET using NS-2 tool.
A Process to Improve the Throughput and Reduce the Delay and Packet Loss in Ad-Hoc Wireless Networks

References

- Sunil Taneja, Dr. Ashwani Kush, Amandeep Makkar, "End to End Delay Analysis of Prominent On-demand Routing Protocols", IJCST Vol. 2, Issue1, March 2011
- ABDUL HAIMID BASHIR MOHAMED, thesis, "ANALYSIS AND SIMULATION OF WIRELESS AD-HOC NETWORK ROUTING PROTOCOLS", 2004
- Sevil ?en, John A. Clark, Juan E. Tapiador, "Security Threats in Mobile Ad Hoc Networks", 2010
- Steven M. Bellovin and Michael Merritt, "Limitations of the Kerberos Authentication", USENIX – winter 1991
- Seung Yi, Robin Kravets, "Key Management for Heterogeneous Ad Hoc Wireless Networks", 10th IEEE International Conference on Network Protocols (ICNP’02) 1092-1648
- Pradeep kyasanur, "Selfish MAC layer Misbehavior in wireless networks", IEEE on Mobile Computing, 2005
- Yixin Jiang Chuang Lin, Minghui Shi, Xuemin Shen, "Multiple Key Sharing and Distribution Scheme With (n; t) Threshold for NEMO Group Communications", IEEE 2006
- Caimu Tang, Dapeng Oliver, "An Efficient Mobile Authentication Scheme for Wireless Networks", IEEE
- Tien-Ho Chen and Wei-Kuan, Shih, "A Robust Mutual Authentication Protocol for Wireless Sensor Networks ETRI Journal, Volume 32, Number 5, October 2010
- Jiazi YI, "A Survey on the Application of MANET", 2005
- Tien-Ho Chen and Wei-Kuan, Shih, "A Robust Mutual Authentication Protocol for Wireless Sensor Networks", ETRI Journal, Volume 32, Number 5, October 2010

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