Abstract

During the past few years the emergence of Mobile adhoc networks (MANETS) and its various uses in different fields of communication has been observed. It has led to an instant growth in wireless technology. Many routing protocols have been designed and implemented for proper functioning of mobile adhoc networks. The prime objective of these routing protocols is to provide a specific and much effective route in a network. AODV which is a reactive protocol for MANETs is considered as the most effective routing protocol by Internet Engineering Task force. Due to MANET's infrastructure less nature, security is a prime issue to be maintained. This paper submits the brief introduction about mobile adhoc networks, their counter attacks, different routing protocols and their consecutive security measures.

References

- Imrich Chlamtac, Marco Conti, Jennifer J. -n. liu "Mobile ad hoc networking: imperatives and challenges" in proceedings of 2003 Elsevier
- Bing Wu, Jianmin Chen, Jie Wu, Mihaela Carde "A Survey on Attacks and Countermeasures in Mobile Ad Hoc Networks" in proceedings of WIRELESS/MOBILE
A Comprehensive Review of Security Issues in Manets

- G. S. Mamatha and Dr. S. C. Sharma &quot;analyzing the manet variations, challenges, capacity and protocol issues&quot; in proceedings of International Journal of Computer Science & Engineering Survey (IJCES) Vol. 1, No. 1, August 2010.
- Anil Suryavanshi and Dr. Poonam Sinha &quot;Efficient techniques for saodv in mobile adhoc network&quot; in proceedings of Journal of Global Research in Computer Science, Volume 2, No. 8, August 2011.
- Pankaj Sharma , Yogendra Kumar Jain &quot;Trust based secure aodv in manet&quot; in proceedings of Journal of Global Research in Computer Science Volume 3, No. 6, June 2012.

Index Terms

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Keywords

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