



ADVANCED MECHANISMS TO SECURE WIRELESS AD HOC NETWORK WITH PERFORMANCE ANALYSIS

¹Bhawan Bhardwaj, ²Ankur Mittal, ¹Research Scholar, ²Assistant Professor

Department of Computer Science & Engineering, Prannath Parnami Institute of Management & Technology

ABSTRACT: - In this era of technology, use of Ad-hoc network is increasing day by day. In this research is to enhance the security of AD-HOC network during file transmission. There are several threats to AD-HOC based network. In this paper, the role of AD-HOC in communication has been discussed as well as the security threats from hacker during file transmission. So the security of data in a file is major concern of this research. Here in this paper the traditional security mechanisms with their loop holes are also discussed. The proposed work would definitely reduce the probability of data theft. Content of packets has been replaced by corresponding small string in order to reduce size of packet to be transmitted on network. Research is that if there is secure transmission then speed of data transfer gets degraded

Key Words: Ad Hoc Network, Intrusion Detection, Cryptography

ISSN : 2278-6848



© International Journal for
Research Publication and Seminar

1. INTRODUCTION

Ad hoc network is considered as a network which is compositions of different type of devices that are communicating to one other in direct way. Several ad hoc networks are considered as local area networks in which computers and different other devices have been enabled to transfer data in direct way to one another in its place of transferring through a central access point [20]. In case of Ad- hoc network does not require any router. It does not need any wireless base station [1], [6].

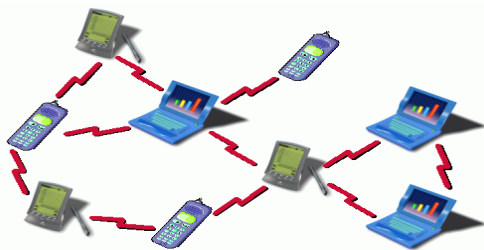


Fig 1 Ad hoc network

This network is established for single session only. If someone wants to share file in multiple computers then he could set more than one hop ad hoc network that can be used to transfer information on more than one node. It is created to solve specific problem. It becomes permanent network if someone is going to establish such network for longer period.

Note :For Complete
paper/article please contact
us info@jrps.in

Please don't forget to mention reference
number , volume number, issue number, name
of the authors and title of the paper