

Secure Authentication Approach for Routing in MANET Using Group Signature

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ABSTRACT

A Mobile ad hoc network (MANET) sharing a wireless channel among collection of mobile nodes without any centralized control. Due to dynamic topology of network set a secure path for data transfer from one node to another node is difficult. The nodes which exist inside the network cannot be always trusted. During transmission Security of routing information is major concern. There are several routing protocols are available for secure data transfer from one node to another but still they venerable from verity of attacks. Many techniques are available for secure routing information but still security is not fully satisfied. An attempt has been made to improve the security during transmission in MANETs with minimum overhead. RSA public key encryption provide secure routing of data and can defend against attacks like black hole, grey hole.