Abstract

A mobile ad hoc network is a self-organized wireless network. Which consists of mobile devices. It is used for gathering the data. It consists of large number of nodes with limited energy or In MANET each node has limited energy resources. MANET is infrastructure less network i.e. it is a open network. Due to open network any node can join and leave a network. Because of this security is more essential for MANET. To secure network communication certificate revocation is an important integral component. The proposed method is depends on k-means clustering algorithm. Certificate revocation is used to examine attackers from participating in networks activities in future. To revoke certificates of malicious nodes present in networks, certificate revocation is one of the best scheme. It plays an important role in detecting falsely accused node within networks. To overcome all these problems, Cluster based certificate revocation for MANET is proposed. The proposed scheme is simulate using NS2.

**Index Terms**

Computer Science  
Networks
Keywords

Certificate revocation, K-MEAN algorithm, MANET, Network security