Abstract

Network security in mobile Adhoc network is major issue. MANET system efficiency and security is compromised to create instability, disrupt network performance reducing fault tolerance, capability and attack on confidentiality, integrity and availability of information in network. The attack on adhoc is launched mainly in network layer to reducing Trust ship of system. Open nature communication makes wireless connection prone for various security threats. This paper consist a brief review of mobile ad-hoc network along with effect and vulnerabilities into same. It also enlists and explores the challenges to derive new mechanism over security threats. Subsequently, a compressive study has performed on Sybil Attack and its effect on ad-hoc networks. Work also consider some existing solution mitigate Sybil attack.

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**Index Terms**

Computer Science

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Keywords

MANET, Sybil attack, Network Security, Node