Abstract

This literature survey summarizes the security challenges and their present solutions in mobile ad hoc network. Basically the ad hoc network is a collection of communication devices or nodes that wish to communicate without any fixed infrastructure and pre-determined organization of available links. Security is an essential requirement in mobile ad hoc network. Compared to wired networks; Ad hoc networks are more vulnerable to security attacks due to the lack of a trusted centralized authority and limited resources. Especially attacks on mobile ad hoc networks can be classified as passive and active attacks, depending on whether the normal operation of the network is disrupted or not. In this research paper, identify the existent security threats on ad hoc faces so far, the security services required to be achieved and the countermeasures for attacks in ad hoc routing protocols. Moreover, in this research paper summarize complete literature survey by collecting information related to various types of attacks and its solution. In this research work finally identified the main issues and new proposed solution to overcome them. Further focus on the finding challenges and related works from which to provide highly secure protocol for MANETs.
References

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Index Terms

Computer Science

Security

Keywords

Ad hoc network (AHN)  Security attacks  Anonymity Routing algorithms.