Abstract

Infrastructures less network is MANET which creates the temporary network. Performance and security are its two major issues. Due to its self-organizing feature providing runtime network security is a tedious task. So an efficient and strong model is required to setup so that various eavesdropping activity can be avoided. Key management is a vital part of security in Manet because the distribution of encryption keys in an authentication manner is a difficult task due to its dynamic nature. As every time nodes leave or join it has to regenerate a new session key for maintaining secrecy. In this paper, we have proposed a new key management scheme to improve the network security with less mobility overhead and less key distribution time.

References

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Index Terms

Computer Science  Security

Keywords

Manet, certificate based cryptography , symmetric keys.