Abstract

In this paper we addressed the difficult problem of key management in mobile Ad Hoc networks. A self-organized public-key management scheme is proposed that does not rely on any trusted third party, not even in the network initialization phase. To distribute keys to the neighboring nodes we have taken help of inherent properties of DSDV routing algorithm. To exchange the keys of each node with other node in network, by checking the chain appended with entry & based on trust relationship. We also implemented fault handling strategy. New DSDV results are shown with help of X-graph, NS-2.

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Index Terms

Computer Science Security

Key words

Ad-hoc Network DSDV
key-management
simulation Ns-2
self-organized