



RESEARCH ARTICLE

A Secure Protocol for Spontaneous Wireless Ad Hoc Network Creation

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Abstract—

A secure protocol for spontaneous wireless ad hoc networks that uses an hybrid even or asymmetric and therefore the trust between users so as to exchange the data and exchange the key keys that may be used to write the data. Within the planned system, if a replacement node would like to with the prevailing node, the new node will send the request to the prevailing node. Supported the request, this node will send its public key to the new node. At that point the new node and existing node will share their public and private key components to authenticate each other. For security purpose the info are encrypted throughout transmission. The Certificate Authority is used to authorize the node once it wishes joins another node. Secret is generated, that's used to share the info and it'll be changed at a particular quantity of some time. Among the modification technique, the key secret is additionally changed once the node joins a network and leaves a network. Therefore we tend to are ready to increase the number of security.

Keywords— Distributed protocol, secure protocol, spontaneous network, wireless ad hoc networks

Full Text: <http://www.ijcsmc.com/docs/papers/March2014/V3I3201419.pdf>