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32. Modification in Kerberos Assisted Authentication in Mobile Ad-hoc Networks

ABSTRACT

Security is an important issue for any type of networks, especially for wireless ad-hoc networks. Many security mechanisms have been proposed for ad-hoc networks, one of them is KAMAN, but this mechanism has a problem. Kerberos tickets used in KAMAN authentication scheme can be captured over the network are prone to replay attacks. The research work described in this document demonstrates that the modification in KAMAN protocol can increase authorization. Tickets replay attacks in KAMAN authentication scheme can be avoided by sending these tickets over the network in encrypted messages. Moreover, in the proposed scheme there is no burden on the server and the client to undertake the modified KAMAN process.