

COMPREHENSIVE STUDY ON KEY MANAGEMENT SCHEMES IN MANET

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ABSTRACT

MANET does not have pre-existing fixed structure. Mobile nodes send packets to the destination nodes directly or via the intermediate nodes. Nodes exchange packets with each other to allow the message to pass among both ends step by step. These packets are outside the wireless transmission range. It is for potential security concern because intermediate nodes cannot be trusted. With such feature ad-hoc networks are least attacked which influences performance of the network with its reliability. Secure communication in MANET is to be claimed by the reliability parameter of the key management strategy, which is capable for securing contents among the nodes. This survey presents the conceptual view for various key management techniques with their special features.

KEYWORDS: Manet, Symmetric Key, Hybrid Key Cryptography, Group Key, Asymmetric Key, Key Management