

ROUTING SCHEME DEVELOPMENT FOR FIREWALL SECURITY IN WIRELESS AD HOC NETWORK USING ELECTION ALGORITHM

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ABSTRACT

MANET stands for mobile adhoc network. In MANET the infrastructure is dynamic, self configured and self-governed. This can be used for various purposes. It can be created in emergency conditions or can be created on the basis of user's needs and requirements. No fixed topology can be defined in this type of network. Various kinds of threats increase the vulnerability of MANET. Attacks like black hole are commonly found in this kind of network. MANET is highly prone to security issues due to its vulnerabilities. These issues can be handled in different ways. In this paper solution as Intrusion detection system (IDS) is implemented with an attack finder protocol via taking Election algorithm as the main area for defending black hole attack.

KEYWORDS: MANET, Ad-Hoc Network, Firewall, Simulation, Self-Configuring, IDS, Election Algorithm