Abstract

An ad hoc network is the assortment of cooperative wireless nodes without existence of any access point or infrastructure. The presence of malicious nodes in an ad hoc network deteriorates the network performance. A novel approach for malicious nodes detection is proposed here to protect against DoS attack in ad hoc on-demand distance vector routing protocol. The proposed approach employs a method for determining conditions under which malicious node should be monitored. Apart from identification of malicious node, it has been observed that this approach leads to less conservation and less communication breakage in ad hoc routing. The experimental results demonstrate that the proposed approach can effectively detect malicious nodes.

Reference
Methodology for Detecting and Thwarting DoS in MANET

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