Abstract

Designing and architecture of Trust model in WSN is now a days research challenge. Trust is important in wireless networks because collaboration and cooperation among nodes and critical towards achieving the system’s goals, such as routing reliability. IP-spoofing attacks remain one of the most damaging attacks in which a router replaces the original source IP-address by a new one. This paper present a novel approach using Entropy inference model that evaluates the trustworthiness of an access router and distributed router with regards to forwarding packets. The trust values for the Group router is computed by a judge router that samples all traffic being forwarded by the access router. The trust values for the access router and distributed router are computed by distributed router and ingress/egress router respectively. The simulation results to detects malicious access routers and malicious distributed routers.
Issues in Ad-hoc wireless Networks: A Survey,


Index Terms

Computer Science  Wireless

Keywords

Trust  IP-spoofing  Group Routing System  Access Router  Distributed Router
Entropy Inference