Abstract

In wireless sensor networks node compromise attack is a serious threat. Last few years many previous works has found out compromise node at the later stage. There are different stages of attacks: In first stage physically capturing and compromising nodes: Next stage compromised nodes back to the sensor networks: Last compromised sensor nodes rejoining the network and launching attack. This research work for early detection of compromised nodes in wireless sensor networks. In this work pair-based scheme to detect the node compromise attack in early stage. After sensor nodes are deployed they first build pairs in ad hoc pattern. Then the nodes within the same pairs can monitor each other to detect any node compromise attempt.

References


Index Terms

Computer Science

Wireless

Keywords

Wireless sensor networks  node compromise attack  pair building