

Intrusion Detection: Evolution with Wireless Ad Hoc to Mesh Networks

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Abstract. An Intrusion Detection System detects malicious and selfish nodes and takes necessary actions against it. Ad hoc networks can be secured by using either intrusion detection or by secure routing. One or more of the participating nodes need to find out malicious nodes without modifying existing infrastructure or routing protocols. Designing efficient IDS for wireless ad-hoc networks that would not affect the performance of the network is indeed a challenging task. In this article, some of the recent works on IDS has been presented to witness the growth and progression of IDS along with the evolution in wireless networks from simple ad-hoc networks to wireless mesh.