AN EFFICIENT ANONYMITY PROTECTION BASED ON GPSR & ALERT PROTOCOL IN MANETS

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Abstract

MANET is a self configurable infrastructureless, which make them an ideal choice for uses such as communication and information sharing and easily move from one place to another place because MANETs dynamically change the topology. MANETs provide anonymity protection using many protocols. But these protocols cannot provide full anonymity. This paper proposed, An Anonymous Location Based Efficient Routing (ALERT) Protocol that can provide anonymity protection. ALERT uses hierarchical zone partition. Each zone having many nodes and source, destination nodes are placed in different zone. ALERT randomly choose the intermediate node which is called as Relay Node(RN). In this relay node select the next node in another zone called Random Forwarder(RF). Also using Greedy Perimeter Stateless Routing (GPSR) to send the data to neighbour node. ALERT avoid the timing attacks and counter intersection attacks.