AN IMPROVED AODV PROTOCOL TO PREDICT RUPTURED ROUTES IN AD HOC NETWORK

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Description
Ad Hoc network is a collection of wireless mobile nodes forming a temporary network which has any established infrastructure or centralized administration. The topology of Ad Hoc network changes according to the mobility of nodes. For this feature of Ad Hoc network it is necessary that mobile nodes work together in order to maintain the connectivity between them. Several routing protocols have been proposed to ensure the connectivity between nodes, including the AODV protocol (Ad Hoc On-Demand Distance Vector), which is maintained as a standard by the IETF. This protocol has limitations in terms of stability of links between nodes. For this purpose, we proposed an improvement of AODV protocol to find a stable links, which endure between source and destination. Our idea is based on the quality of the received signal strength between the different nodes. A new strategy of finding routes and predicting …