A STUDY AND PERFORMANCE EVALUATION OF DSR PROTOCOL FOR MANETS USING NS2

P. B. PANKAJAVALLI AND N. ARUMUGAM

Abstract

Mobile Ad hoc Network is a collection of mobile nodes communicating through wireless channels without any existing network infrastructure or centralized administration. Because of limited transmission of wireless network interfaces, multiple hops may be needed to exchange data across the network. In order to facilitate communication within the network, a routing protocol is used to discover routes between nodes. The primary goal of such an ad hoc routing protocol is correct and efficient route establishment between a pair of nodes so that messages maybe delivered in a timely manner. In this paper the Dynamic Routing Protocol (DSR) and evaluation has been done based on delay, packet delivery ratio and routing overhead with varying number of pause time and sources.