



Performance Analysis of Broadcast Based Mobile Adhoc Routing Protocols AODV and DSDV

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Abstract

An ad-hoc network is the cooperative engagement of a collection of mobile nodes without the required intervention of any centralized access point or existing infrastructure. Wireless mobile ad-hoc networks are characterized as networks without any physical connections. In these networks there is no fixed topology due to the mobility of nodes, interference, multipath propagation and path loss. Hence a dynamic routing protocol is needed for these networks to function properly. Many Routing protocols have been developed for accomplishing this task. This paper provides an overview of two different protocols DSDV and AODV by presenting their characteristics and functionality and then provides a comparison and discussion of their respective merits and drawbacks.

Keywords: ad-hoc; mobility; DSDV; AODV

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