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RESEARCH ARTICLE

ANALYSIS OF ROUTING PROTOCOLS IN MANETs

Rajendran.P¹, Dr. V.N. Rajavarman²

1. M.Tech, Computer Science Engineering, Dr. M.G.R. Educational and Research Institute, Chennai, India
eieraja.09@gmail.com

2. Professor, Computer Science Engineering, Dr. M.G.R. Educational and Research Institute, Chennai, India
nrajavarman.2003@gmail.com

Abstract— Recent trends in wireless communication have expanded possible applications from simple voice services in early cellular network to new integrated data application. 4G technology is now new promising application of mobile technology. In MANETs, the router connectivity many change frequently, leading to the multi-hop communication Para diagram that can allow communication without the use of BS/AP, and provide alternative connections inside hotspot cell. A MANETs is a type of ad hoc network that can change locations and configure itself on the fly. All nodes in this network are mobile and they use wireless connection to communicate with various network. Mobile nodes communicating through wireless channels network without any existing network infrastructure or centralized administration. In the recent years, several routing protocols have been proposed for MANETs, and prominent among them are AODV, DSR and DSDV. This paper provides an overview of these protocols by presenting their characteristics, functionality, benefits and limitations and makes their comparative analysis so to analysis their performance.

Keywords— MANETs; BS; AP; AODV; DSR; DSDV

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