Abstract

This paper deals with various routing techniques for efficient data transfer in MANET. MANET is a wireless infrastructure-less network where mobile devices communicate through wireless links. To make the communication of wireless network as good as that of the wired ones is the challenging issue. The high link quality involves best path selection and it leads to throughput improvement. Higher layer like network layer is used to provide an efficient data transfer in dynamic environment. To make routing efficient, we need to know the topographical information of the wireless network. Based on which we can improve the routing process and packets are transmitted efficiently with high packet delivery ratio. This paper shows an analysis of various techniques for improving the link quality with best path selection for opportunistic data transmission with its advantages and disadvantages.

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