

Performance evaluation of multicast routing protocols in MANET.

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Abstract: This topic evaluates the performance of the Multicast Routing Protocol in Mobile Ad Hoc Networks (MANETs). The context for choosing this topic is based on the practical necessity of multipoint information transmission in mobile and military applications. The objective is to build and deploy an experimental system to evaluate the performance of multicast routing protocols under different network conditions. The research methodology combines theory with experimentation, providing a comprehensive view of the suitability of existing protocols. The expected outcome is the identification of challenges and solutions for improving multicast transmission performance in MANETs.

Keywords: MANET, Multicast Routing Protocol, Experimental Research