

Performance Improvement Of Dynamic Source Routing Protocol The Mobility Effect Of Nodes In Cache Management

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Summary

In this paper we propose a new method of improving the performance of dynamic source routing (DSR) protocol. In DSR, as well as other on-demand routing protocols, every established path is considered as temporary to reflect the mobility effect, therefore, once a path is established, it is associated with an expiration time. After that expiration time the path is deleted from the route cache of the nodes. In practice the mobility of nodes are not equal all the time and we propose to treat paths differently according to their stationary, rather than deleting them after every expiration time to improve performance. By simulation we show that this method improves the performance of DSR.

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