

Survey of the impact of node mobility on the performance of some routing protocols in MANET

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Abstract: This study aims to investigate the impact of the unpredictable movement of network nodes (MANET) on the performance of routing protocols. The practical context shows that MANET can face many challenges due to changes in the positions of network nodes. The objective of the study is to evaluate and analyze the performance of several routing protocols in different node movement scenarios. The method combines theory and experimentation to build a test model and measure performance. The expected results will provide valuable information for improving MANET performance in mobile environments, contributing to the sustainable development of wireless network technology.

Keywords: MANET, routing protocol, node mobility