

Evaluation of some protocols in wireless sensor networks in NS-2 simulation

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Abstract: In today's information age, the use of wireless sensor networks (WSN) has become widespread. This topic focuses on evaluating and comparing the performance of several routing protocols in NS-2 simulation to find the optimal solution for WSN systems. Through theoretical research combined with practical experiments, the objective of this topic is to determine which protocol provides the highest quality of service and best reliability in a WSN environment. The expected results of this topic not only help improve sensor network performance but also make an important contribution to the development of modern communication technology.

Keywords: wireless sensor network, NS-2, notification protocol