

Using NS2, simulate some routing protocols in wireless sensor networks.

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Abstract: This topic focuses on using the NS2 network simulator to study and evaluate the performance of popular routing protocols in wireless sensor networks. The context of the topic is defined by the rapid development of IoT technology, particularly in the fields of environmental monitoring and security. The main objective is to explore the applicability and effectiveness of these protocols in practice. By combining theoretical research with experimentation, the topic aims to provide deep insights into the operation and optimization of routing protocols. The expected results will significantly contribute to improving the performance of wireless sensor networks, thereby supporting the development of future IoT systems.

Keywords: Wireless sensor network, NS2, Routing protocol, Simulation, IoT