QoS through Power Control in MANETs using AODV Protocol

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Abstract

In Mobile Ad hoc Networks (MANETs) QoS provisioning is very difficult than traditional networks. The MANETs is wireless network without fixed infrastructure and self organised. These networks have only limited power. This paper describes power management two schemes namely Dynamic Power Management (DPM) and Directional Local Recovery (DLR)
performance evaluated and AODV used as the underlying protocol in both the schemes. Power consumed and Power variance parameters are used as metrics to evaluate the performance of power balancing. Performance of AODV is compared with the DPM and DLR. The simulation results verifies that the extended schemes which use AODV as the underlying protocol provides substantial energy savings thus prolonging the battery life of mobile nodes. Simulation is performed using NS2 simulator.

Reference

Index Terms

Computer Science

Wireless

Key words

MANETs AODV DPM DLR