Abstract

Reliability calculation of large scale MANETs is an NP computational problem, and this complexity can be reduced by identifying critical nodes in a network. The identification of critical nodes itself is a computationally hard problem. The present work provides an empirical Algorithm for detecting critical nodes in a MANET which is computationally efficient than the already existing detection methods. The algorithm proposed for critical node detection is based on the pattern a critical node may exhibit uniquely in a connection matrix.

References

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