Abstract

In recent communication technologies and services the Mobile ad hoc network place an increasingly vital role, that dynamically establish the connection whenever required for the communication network resulting in a quickly changing in topology of the network and increase communication overheads. This dynamic topology, leads to significant routing overhead, scalability problems and battery power consumptions in MANETs. Consider this problem, in this paper a clustering approach have been proposed for ad hoc networks. In Clustering approach, the cluster head election is call upon for the constructing the path, reduce the communication over heads and scalability. For the path construction cluster-AODV routing protocol is applied and also the design goals of clustering algorithms are presented.

References

- Chatterjee M, Das S. K and Turgut D, An On-Demand Weighted Clustering Algorithm
An AODV-based Clustering Approach for Efficient Routing in MANET


Index Terms

Computer Science

Wireless

Keywords

Mobile Ad hoc Networks (MANET) Cluster Management AODV Clustering and
Routing Schemes