Abstract

The performance of the TCP and UDP protocol is evaluated by simulating them in a hybrid network using Mobile IP and compared their performances on the basis of some performance metrics. MANET is a group of wireless nodes connected through wireless link where nodes are free from any fixed infrastructure and each node maintains the routing information and acts as router. It is also considered as secluded network because the nodes have no access to the outside world. But MANET integrated with internet can solve this problem by using an interconnected network where there can be two possible networks wired and wireless and communication between two different networks can be done by using Mobile IP. Mobile IP has been designed to allow the mobile node to use two IP addresses. One is the home address which remains unchanged and the other one care-of address changes at each new point of attachment.

References

- Perkins Charles E., May 1997, Mobile IP, IEEE Communications Magazine, Sun Microsystems
Comparative Study and Simulation of TCP and UDP Traffic over Hybrid Network with Mobile IP

- Paul Rajashree, 2002, SELECTIVE-TCP FOR WIRED/WIRELESS NETWORKS, University of Kalyani.
- http://www.isi.edu/nsnam/ns/tutorial/nsscript6.html#first
- Yu Wang, Weizhao Wang, Teresa A. Dahlberg, Truthful Routing for Wireless Hybrid Networks, Department of Computer Science

Index Terms

Computer Science
Wireless

Keywords
TCP  UDP  Mobile IP  Hybrid networks  wired cum wireless network.