Abstract

The Zone Routing Protocol is a protocol which employs both the activities of proactive and reactive protocols. It is mainly designed for Mobile Adhoc Networks. The transfer of data inside the routing zone is handled by proactive part of ZRP i.e IARP and outside the routing Zone is done by the reactive part i.e IERP. In this work, an analysis has been done by setting up two different simulation environments for ZRP. First is by varying the Zone Radius and another one is by varying the node density for various zone radius. This will help us in analyzing the performance of zone routing protocol in highly dynamic environment.
Simulation based Performance Analysis of Zone Routing Protocol in Manet


- By Brijesh Patel MAGNeT Group &quot;ZRP Agent for NS2 (NS-2 v2.33) &quot;
- Zygmunt J. Haas and Marc R. Pearlman, &quot;Determining the Optimal Configuration for the Zone Routing Protocol;&quot; US Air Force/Rome Labs, under the contract number C-7-2544 and a grant from Motorola Corporation, the Applied Research Laboratory, Wireless Networks Laboratory (WNL), School of Electrical Engineering, Cornell University, Ithaca, NY 14853-3801, USA.
- Mr. Kamaljit I. Lakhtaria Mr. Paresh Patel &quot;Analyzing Zone Routing Protocol in MANET Applying Authentic Parameter&quot; global journal of computer science and technology pg 114 vol. 10 (2010).
- Sanku Sinha, Biswaraj Sen &quot;Effect of Varying Node Density and Routing Zone Radius in ZRP: A Simulation

Index Terms

Computer Science
Communications

Keywords
ZRP  BRP  IARP  IERP  Jitter  Normalized Routing Overhead