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.

References

- Nicklas, Beijar "Zone Routing Protocol (ZRP)" citeseer. nj. nec. com/538611.html.
- Haas, Zygmunt J, Pearlman, Marc R., "The Zone Routing Protocol (ZRP) for Ad
Simulation based Performance Analysis of Zone Routing Protocol in Manet

- Haas, Zygmunt, &quot;A New Routing Protocol For The Reconfigurable Wireless
- Zygmunt J. Haas and Marc R. Pearlman and P. Samar. &quot;Intrazone Routing
- Zygmunt J. Haas and Marc R. Pearlman and P. Samar &quot;Interzone Routing
- Zygmunt J. Haas and Marc R. Pearlman, &quot;ZRP:a hybrid framework for routing in
- Zygmunt J. Haas, Marc R. Pearlman and Prince Samar, &quot;The Bordercast
Resolution Protocol (BRP) for Ad Hoc Networks&quot;; draft-ietf-manet-zone-brp-02. txt,(2002)

- 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
- Based Approach&quot; /International Journal on Computer Science and Engineering

Index Terms

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