Abstract

In this paper, the Zone Routing Protocol (ZRP) is surveyed for the nature of its parametric performance. ZRP is hybrid routing protocol works on various routing phenomenon such as Intra-Zone Routing Protocol (IARP) which routes within its routing zone, Inter-Zone Routing Protocol (IERP) which routes outside the routing zone, Bordercast Resolution Protocol (BRP), Query Control Mechanisms includes Query Detection (QD1/QD2), Early Termination (ET),
Random Query Processing Delay (RQPD). Multicast Zone Routing Protocol, Two-Zone Routing Protocol along with security of Zone Routing protocol is considered. The analyzed performance of the variety of parameters such as PDR (Packet Delivery Ratio), Average Jitter, Average Throughput, Average End-to-End Delay, Route Acquisition Latency, Control Traffic, Overhead of Zone Routing Protocol in different simulating environment under the normal and with blackhole attack circumstances is compared.

References

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Index Terms

Computer Science
Networks

Keywords
Hybrid Routing  Proactive Routing  Reactive Routing  Routing Zone  Black Hole Attack  Performance Parameters.