Abstract

This document specifies the problems of multihoming[1]and solutions of multihoming provided by the transient Binding. [2] Transient Binding is a mechanism applicable to the mobile node’s inter-MAG handover while using a single interface or different interfaces. This paper proposes an improvement in the Proxy Mobile IPv6. The extension of Proxy Mobile IPv6 with transient binding will support multihoming and optimizes the handover. In this paper the concepts of transient binding basics like tunnel management, registration and handover concepts are focused based on multihoming environment. In the transient binding m-PBU(modified Proxy Binding Update) is continuously and simultaneously stores and update the address scheme of m-LMA(Local Mobility Anchor)[2]. Here the address auto configuration concept and its terminology in transient Binding is mainly support for the multihoming. Also this mechanism efficiently supports the uplink and downlink packets between mobile nodes, so
it avoids superfluous packet forwarding delay and packet loss

References

- B. Sarikaya, F. Xia, "Local Mobile Anchor Discovery Using DNS by Service Name", IETF Internet Draft draft-sarikaya-netimm-ima-dnsdiscovery-01, July 2010.
- A. Muhanna, M. Khalil, S. Gundavelli and K. Leung, "Generic Routing Encapsulation (GRE) Key Option for Proxy Mobile IPv6", RFC 5845, June 2010
- A. Muhanna, M. Khalil, S. Gundavelli, and K. Leung, "Binding Revocation for IPv6 Mobility", RFC 5846, June 2010
- V. Devarapalli, R. Koodli, H. Lim, N. Kant, S. Krishnan & J. Laganier, "Heartbeat Mechanism for Proxy Mobile IPv6", RFC 5847, June 2010

Index Terms

Computer Science
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Keywords
- Proxy Mobile IPv6
- Transient Binding
- Multi-homing
- M-lma
- U-bce
- M_mag
- Handover