Abstract

Mobile IPv6 (MIPv6) and Hierarchical Mobile IPv6 (HMIPv6) both are the mobility management solution proposed by the Internet Engineering Task Force (IETF) to support IP Mobility. There are various types of parameters which have been proposed and used to describe the system performance in the form of mobility of MIPv6 and HMIPv6. In this paper an analytical model have been proposed which shows the performance and applicability of MIPv6 and HMIPv6 against some key parameters in terms of cost. Numerical results demonstrate the performance of MIPv6 and HMIPv6 when certain parameters are changed.
Index Terms

Computer Science  Communications

Keywords

Mobile IPv6  Hierarchical Mobile IPv6  Access Router  Regional Size  Mobility  Anchor Point