THESIS

INTERNETWORK MOBILITY ANALYSIS BETWEEN IPV4 AND IPV6

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ABSTRACT

Before 1990 the 32-bit IP addresses would not be sufficient, the long awaited protocol upgrade for the Internet called IPv6 has been underway. This thesis presents the comparison between the old generation IPv4 and the new generation of Internet Protocols IPv6 and include the status of specifications, references to simulations and test usage of this protocol. The implementation of a private network and the test of the two type protocols prove the advantage of the IPv6 protocol suite. By making configuration for hardware used for getting information supplied in this thesis; the main focus from that comparison of the two protocols is that the IPv6 can be ready for simulation in testing mobility internetworks and this protocol has better connection than IPv4 and less time of response. Its usage is proved when mobile computers supporting IPv6 had reached the market in a few years.

Keywords: IPv4, IPv6, mobility internetworks

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