Abstract

IPv6 (Internet Protocol Version 6) is the next generation Internet Protocol designed for replacing the currently used IPv4 (Internet Protocol Version 4). The migration to IPv6 from IPv4 is also one of the thrust areas of DIT, Government of India. The technical foundations of IPv6 have been built but deployment and capability to use it is the ensuing challenge. Further realizing, that the awareness on IPv6 is also quite low, the impact of this technological change needs to be
deliberated and the technical know-how needs to be assembled. This paper has the intention
to present some of the issues that have forced others to restrain themselves from incorporating
the new standard, IPv6, into their business plan and to present the advantages of implementing
this standard and why Internet service providers (ISP) are taking their time to move on.

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Index Terms

Computer Science
Communication and Networks

Keywords

IPv4  IPv6  Addressing  Tunneling