ABSTRACT

Internet protocol version 4 is present and being protocol ip address used for addressing every computer in the world, but from time to time due to the use of increasing internet protocol IP version 4 towards the limit because the bit length of the internet protocol version 4 only for 32-bit can accommodate as many as 4 billion more users, while people in the world are almost saturated. Internet protocol version 6 is present and a solution to the limitations of internet protocol version 4, after previously ipv4 only has 32 bit addresses along the IPv6 has 128 bits long addresses it can accommodate many ip that can be used. But the problem at the moment is how to transition from ipv4 to ipv6. There are several kinds of methods are used to transition from ipv4 to ipv6, methods of dual stack may be the solution for the transition from ipv4 to ipv6, methods of dual stack is a method used to transition from ipv4 to ipv6 to maximize a network card, the network card will run 2 different protocols should certainly be supported on the network card.

Keywords: dual stack, ipv4, ipv6, network card, transition, internet protovols.