

Deploying IPv4/IPv6 network transition tunnel technology

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Abstract: In the current context, maintaining smooth interaction between devices using two versions of the network protocol, IPv4 and IPv6, is a significant challenge. This topic focuses on the transition from IPv4 to IPv6 through the implementation of tunneling technology. The objective of the research is to build and implement an efficient transition system, ensuring compatibility with existing devices. The method is based on a combination of theory and experimentation to verify the feasibility of using tunneling technology in network transition. The expected results of this topic not only enhance understanding of IPv6 technology but also provide practical application solutions for businesses and organizations.

Keywords: IPv4/IPv6, Tunneling, network translation, device compatibility