A Survey on Domain Name System Security Approaches in IPv6

Abstract

The address pool for IPv4 has been exhausted. The internet service providers are using same addresses for addressing via subnetting. But it is not going to last forever. It is inevitable to use IPv6. In United States of America and Belgium, 33% and 98%, respectively of the whole network uses IPv6. So the security needs are increasing for IPv6. Now Domain Name System (DNS) is the most important part of Internet Protocol (IP). So it is must to secure the parameters of DNS. In the proposed study different approaches of DNS security for IPv6 network have been studied.

Index Terms

Computer Science
Communication

Keywords
Domain Name System (dns)  Dnssec  Send  Cga  Tsig