

Abstract

In this work are discussed security problems that exist associated with IPv6 network . Threat and types of attacks , how to detect , identify and protect the computer system. Here it is presented idea about one improvements of the DHCPv6 protocol. In the improved model the quantity of packages which are necessary to dynamically assign the IPv6 address and other necessary parameters of a configuration to the device decreased to a half. Also is presented its advantages in IPv6 security and suggested new interface for IP configuration for operating systems.