

ABSTRACT

The present invention discloses a dynamic IPv6 configuration method for a home gateway, including steps of: establishing a WAN connection with an Internet attribute routing mode and determining a IPv6 configuration manner for the home gateway in a PPPoE dialing manner and according to a dynamic combination of PPPoE dialing options of an "obtain an address" and an "obtain a prefix"; starting a dialing process, creating an interface for the dialing process, invoking, by the dialing process, an executable script ipv6-up, generating a corresponding request according to the IPv6 configuration manner of the home gateway, starting a DHCPv6 client in the gateway, and combining a stateful auto-configuration and a stateless auto-configuration, to implement the dynamic IPv6 configuration of the home gateway. By choosing to acquire an address, the home gateway may acquire an IPv6 global unicast address of a network interface on a WAN side and access an IPv6 network. By choosing to obtain an address and obtain a prefix, a home gateway user may acquire an IPv6 global unicast address and access IPv6 network resources.



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