How to set up Static IPv6 on WAN and DHCPv6 on the LAN

This example shows how to configure your USG's WAN as Static IPv6 and LAN interface as DHCPv6.

In this scenario:

ISP's IPv6 Address is 2001:b030:7036:1::1

ISP Provided 2001:b030:7036:1::15/64 IPv6 IP Address.

DNS Server Set as 2001:4860:4860::8888

LAN Subnet Set as 2001:b030:7036:10::/64

LAN DHCP Pool Set as 2001:b030:7036:10::-2001:b030:7036:10::12

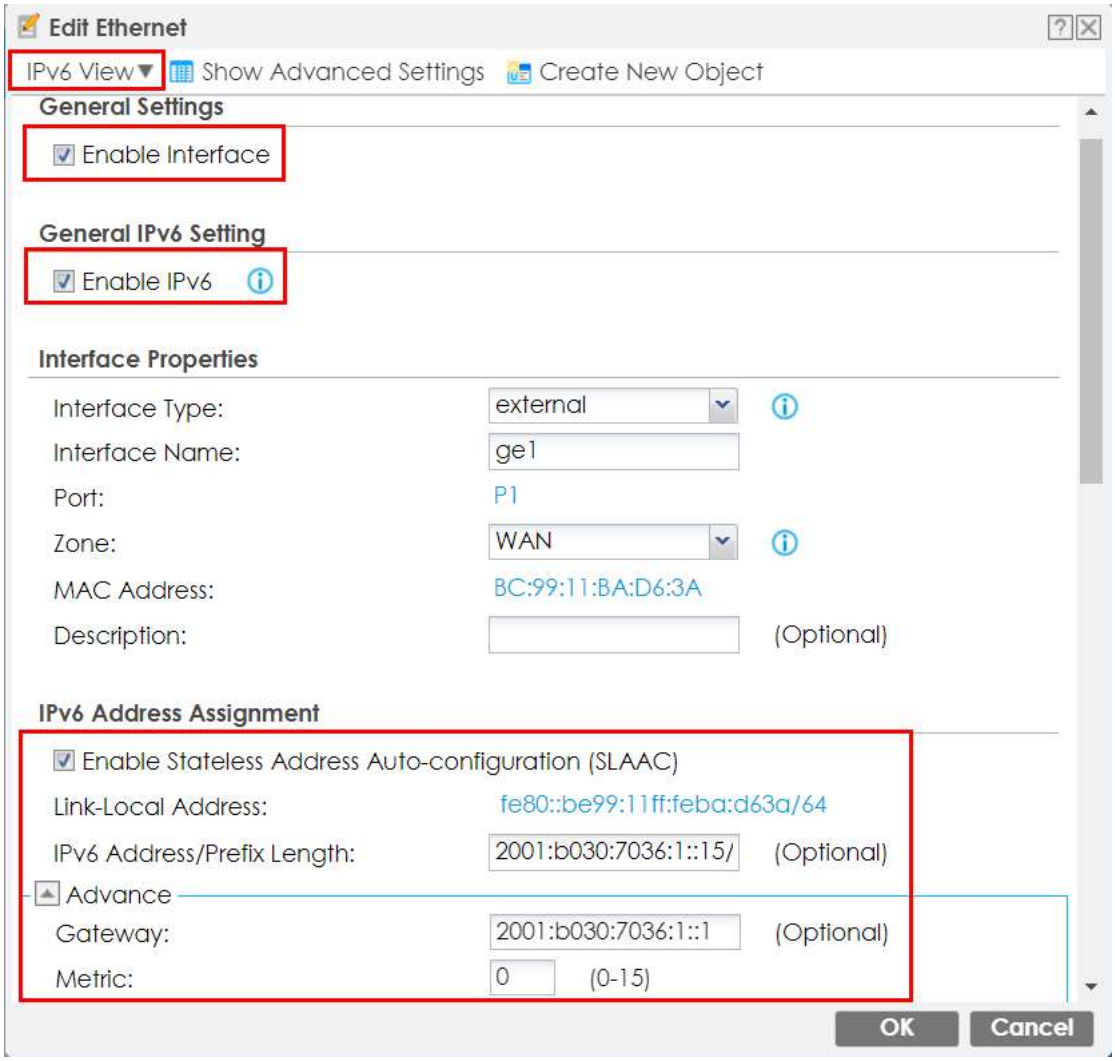
Setting Up the IPv6 Interfaces

Wan

In the Configuration > Ethernet > IPv6 Configuration section, double-click the WAN interface you want to modify.

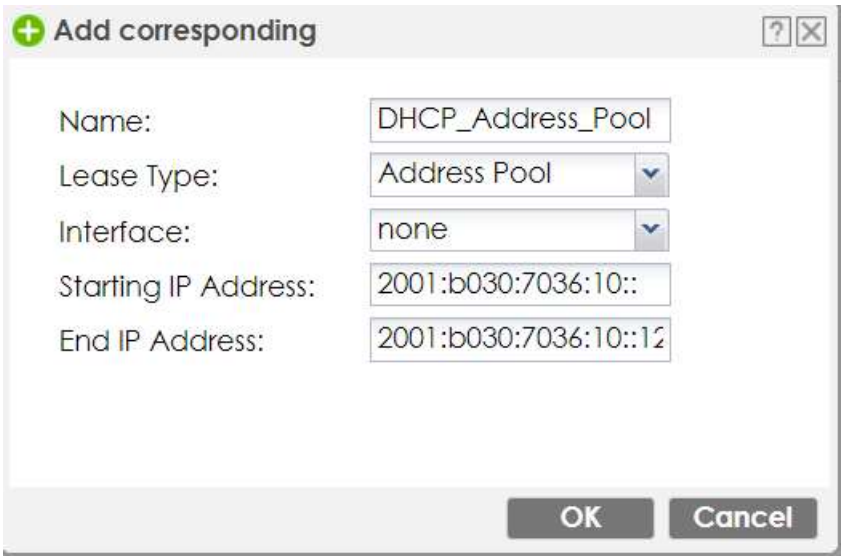
1. Choose IPv6 View and Enable Interface and Enable IPv6.

2. In IPv6Address/Prefix Length text box, key in the Static IPv6 address.

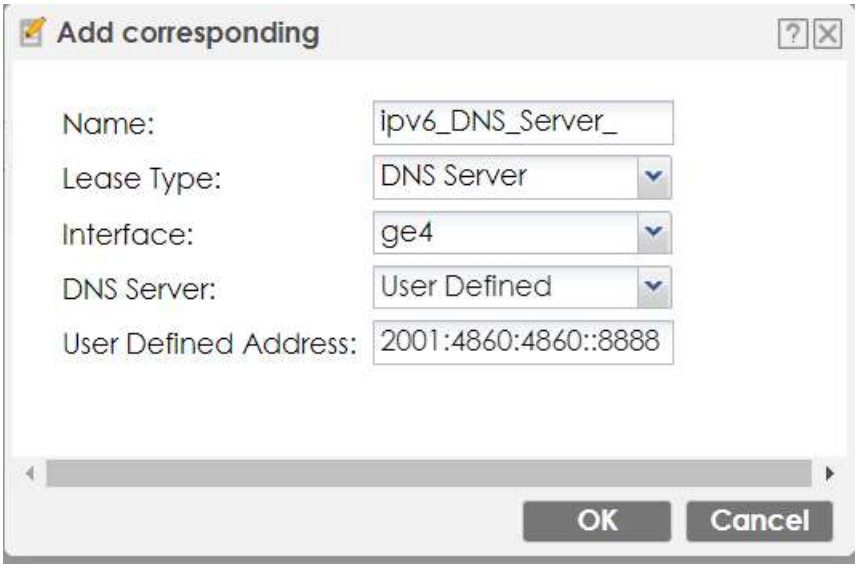


Lan

1. Create IPv6 DHCP Pool(Configuration > Object > DHCPv6 > Lease > Add)



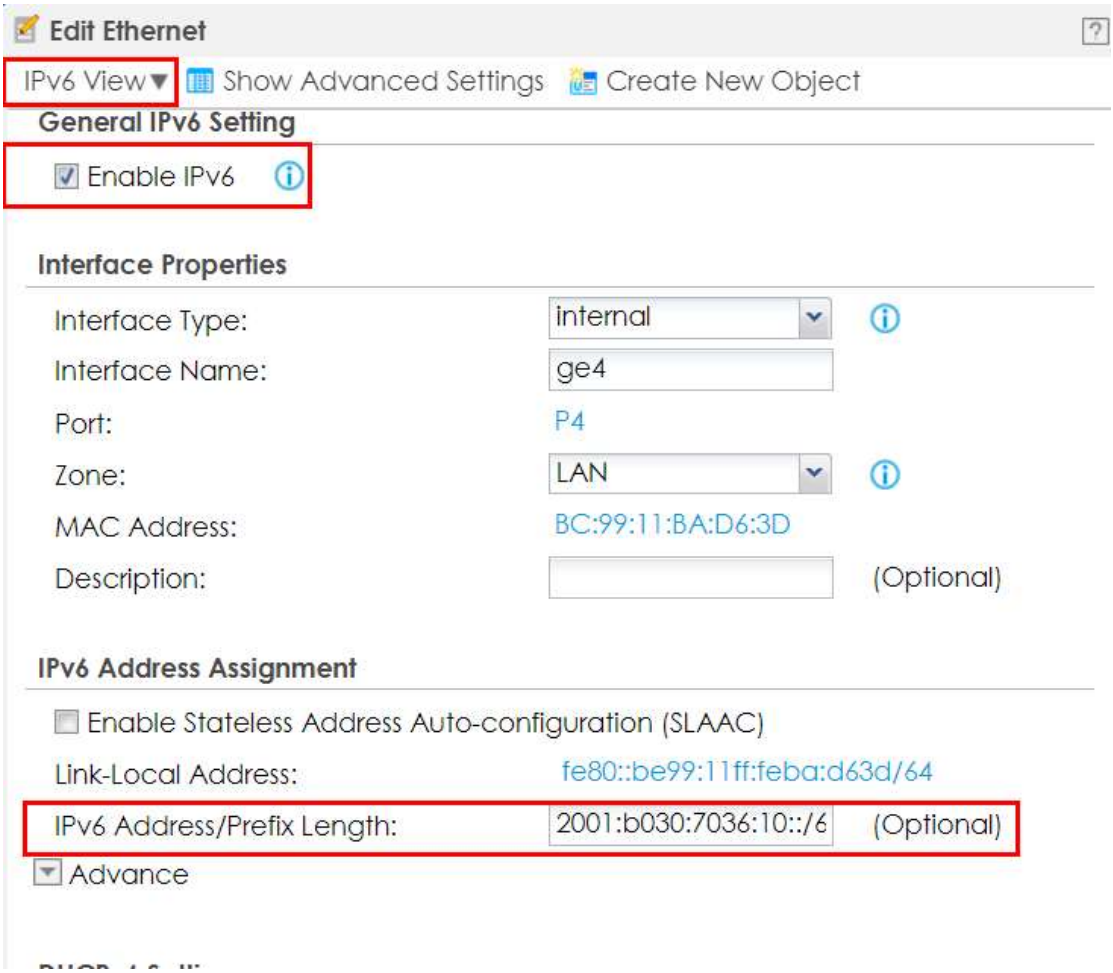
2. Create IPv6 DHCP DNS Server object. (Configuration > Object > DHCPv6 > Lease > Add)



In the Configuration > Ethernet > IPv6 Configuration section, double-click the LAN interface you want to modify.

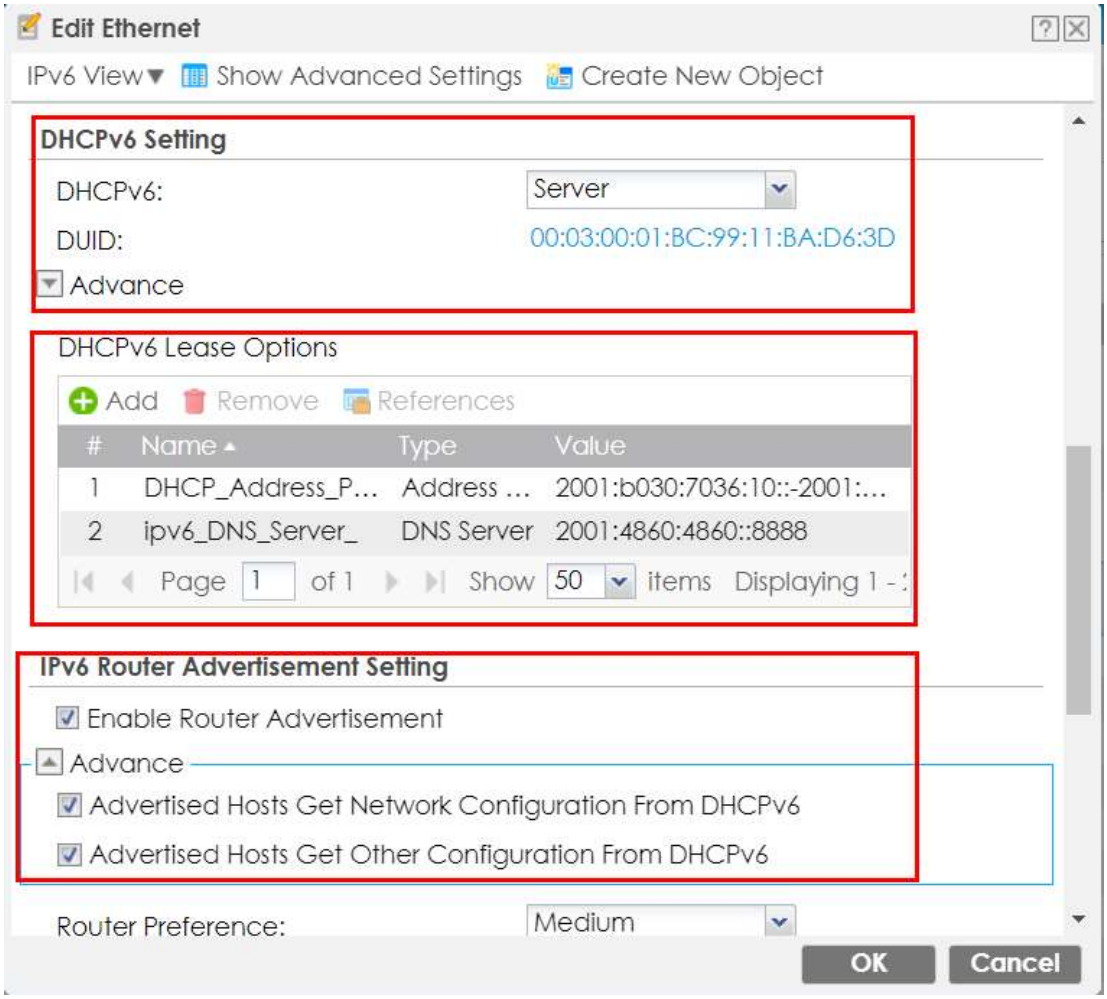
3.Enable Interface and Enable IPv6.

Key in IPv6 Address/Prefix Length



4. Scroll down and choose Server for DHCPv6 dropdown menu.
Navigate to IPv6 Router Advertisement Setting.

5. Enable Router Advertisement, Host Get Network Configuration From DHCPv6 and Hosts Get Other Configuration From DHCPv6 checkboxes.



Test The Result