How to set up Static IPv6 on WAN and auto-configuration on the LAN

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

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:b030:7036:11::/64

WAN Interface: 2001:b030:7036:1::15/64
LAN Interface: 2001:b030:7036:11::/64
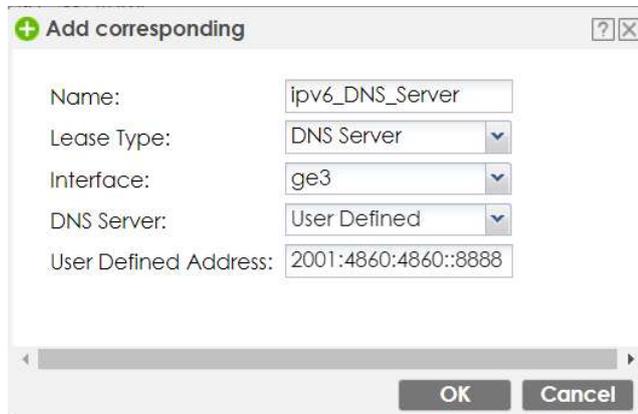
Setting Up the IPv6 Interfaces
Wan

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

2. Choose IPv6 View, Enable Interface and Enable IPv6. In IPv6Address/Prefix Length text box, key in the Static IPv6 address.

Lan

1. 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.

2. Enable Interface and Enable IPv6.

Key in IPv6 Address/Prefix Length.

Edit Ethernet

IPv6 View ▼ ⊞ Show Advanced Settings 📑 Create New Object

General Settings

☑ Enable Interface

General IPv6 Setting

☑ Enable IPv6 ⓘ

Interface Properties

Interface Type:	internal ⌄ ⓘ
Interface Name:	ge3
Port:	P3
Zone:	LAN ⌄ ⓘ
MAC Address:	BC:99:11:BA:D6:3C
Description:	(Optional)

IPv6 Address Assignment

☐ Enable Stateless Address Auto-configuration (SLAAC)

Link-Local Address: fe80::be99:11ff:feba:d63c/64

IPv6 Address/Prefix Length: 2001:b030:7036:11::/6   (Optional)

⌃ Advance

Gateway: (Optional)

OK   Cancel

3. Assign IPv6 DNS Server into DHCPv6 Lease Options.

Enable Router Advertisement and enable Advertised Host Get Other Configuration From DHCPv6 checkboxes.

Key in Advertised Prefix Table.