

LAN istemcilerine bir IPv6 adresi nasıl atanır?

Bu belge ,LAN kullanıcıları için ondan bir IPV6 adresi alacak şekilde VigorRouter'in nasıl kurulacağını açıklar.

1. IPv6 erişimi olan bir WAN arayüzü olduğundan emin olun. (Bkz . Yönlendiricinin WAN arayüzüne IPv6 adresi ekleme .)

IPv4 Internet Access				
	Line / Mode	IP Address	MAC Address	Up Time
WAN1	Ethernet / PPPoE	111.251.202.252	00-1D-AA-F5-3A-B1	0:03:00
WAN2	Ethernet / DHCP Client	Disconnected	00-1D-AA-F5-3A-B2	00:00:00
LTE	USB / ---	Disconnected	00-A0-C6-00-00-55	00:00:00
WAN4	USB / ---	Disconnected	00-1D-AA-F5-3A-B4	00:00:00

IPv6 Internet Access				
	Mode	Address	Scope	Up Time
WAN1	PPP	2001:B011:700A:3E53:1D:AAFF:FEF5:3AB1/128 FE80::1D:AAFF:FEF5:3AB1/128	Global Link	0:02:59

2. LAN >> General Setup bölümüne gidin ve LAN subnetinin IPv6 setting sayfasına girmesi için "IPv6" ya tıklayın.

LAN >> General Setup

General Setup

Index	Enable	DHCP	IP Address	Details Page	IPv6
LAN 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.100.1	Details Page	<input checked="" type="checkbox"/>
LAN 2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.2.1	Details Page	<input type="checkbox"/>
LAN 3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.3.1	Details Page	<input type="checkbox"/>
LAN 4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.4.1	Details Page	<input type="checkbox"/>
LAN 5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.5.1	Details Page	<input type="checkbox"/>
DMZ Port	<input type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.254.1	Details Page	<input type="checkbox"/>
IP Routed Subnet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.0.1	Details Page	<input type="checkbox"/>

DHCP Server Option

3. IPv6 Kurulum sayfasında,

- IPV6'yı etkinleştir.
- WAN Primary Interface'yi,IPV6 serisi olan WAN interfaceye ayarlayın.
- DHCPv6 Server'i etkinleştirin.
- Uygulamak için OK'a tıklayın.

LAN 1 Ethernet TCP / IP and DHCP Setup LAN 1 IPv6 Setup

Enable IPv6

WAN Primary Interface WAN1

Static IPv6 Address

IPv6 Address / Prefix Length

Unique Local Address(ULA) configuration

Off / 64

Current IPv6 Address Table

Index	IPv6 Address/Prefix Length	Scope
1	2001:B011:700A:3E53:21D:AAFF:FEF5:3AB0/64	Global
2	FE80::21D:AAFF:FEF5:3AB0/64	Link

DNS Server IPv6 Address

Deploy when WAN is up

Primary DNS Server 2001:4860:4860::8888

Secondary DNS Server 2001:4860:4860::8844

Management

SLAAC(stateless)

Other Option(O-bit)

DHCPv6 Server

Enable Server Disable Server

IPv6 Address Random Allocation

Auto IPv6 range

Start IPv6 Address

End IPv6 Address

Advance setting Edit

Advance setting Edit

OK

4. Yukarıdaki konfigürasyon ile LAN istemcileri VigorRouter'dan bir IPv6 adresi ve IPv6 Gateway ayarları elde edebilecektir. Windows PC için bunu "ipconfig" komutu ile kontrol edebiliriz.

```
C:\Users\Will>ipconfig

Windows IP Configuration

Ethernet adapter 乙太網路 5:

    Connection-specific DNS Suffix . . . : 
    IPv6 Address. . . . . : 2001:b011::e3
    IPv6 Address. . . . . : 2001:b011:700a:3e53:b4f3:c4ca:9a69:47b3
    Temporary IPv6 Address. . . . . : 2001:b011:700a:3e53:8d4d:ad4:e54e:4de6
    Link-local IPv6 Address . . . . . : fe80::b4f3:c4ca:9a69:47b3%19
    IPv4 Address. . . . . : 192.168.100.12
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::21d:aaff:fef5:3ab0%19
                                192.168.100.1
```

5. Ve PC bir IPv6 sunucusundan Ping ve Response alabilecektir, örneğin, "ipv6.google.com"

```
C:\Users\Will>ping ipv6.google.com

Pinging ipv6.l.google.com [2404:6800:4012::200e] with 32 bytes of data:
Reply from 2404:6800:4012::200e: time=17ms
Reply from 2404:6800:4012::200e: time=17ms
Reply from 2404:6800:4012::200e: time=17ms
Reply from 2404:6800:4012::200e: time=17ms

Ping statistics for 2404:6800:4012::200e:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 17ms, Maximum = 17ms, Average = 17ms
```