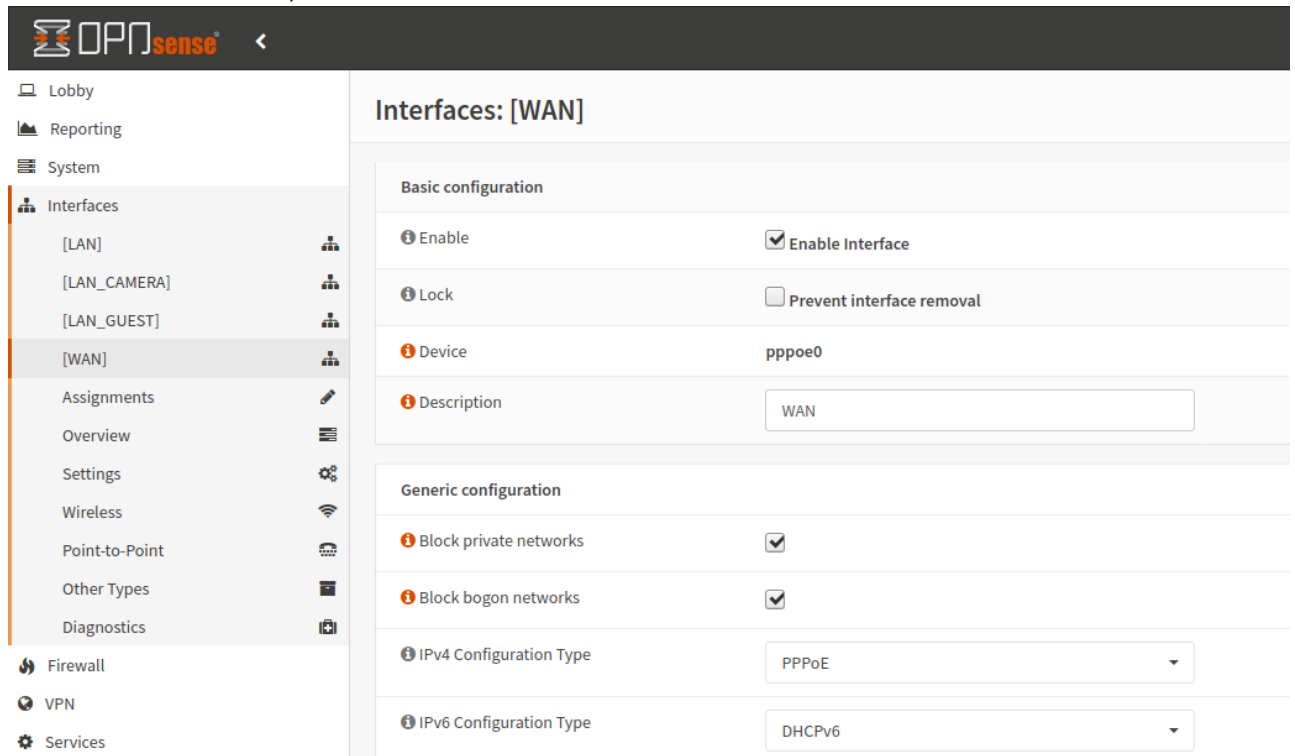


# OPNSense & IPV6 sur une connexion PPPoE

## Configuration interface WAN

1. Dans l'interface WAN, choisir DHCPv6



The screenshot shows the OPNSense web interface for configuring the WAN interface. The left sidebar contains a navigation menu with the following items: Lobby, Reporting, System, Interfaces (selected), Assignments, Overview, Settings, Wireless, Point-to-Point, Other Types, Diagnostics, Firewall, VPN, and Services. The main content area is titled 'Interfaces: [WAN]' and is divided into two sections: 'Basic configuration' and 'Generic configuration'.

**Basic configuration**

Enable	<input checked="" type="checkbox"/> Enable interface
Lock	<input type="checkbox"/> Prevent interface removal
Device	pppoe0
Description	<input type="text" value="WAN"/>

**Generic configuration**

Block private networks	<input checked="" type="checkbox"/>
Block bogon networks	<input checked="" type="checkbox"/>
IPv4 Configuration Type	PPPoE
IPv6 Configuration Type	DHCPv6

2. Toujours dans le même écran, vous devez également configurer
  - Request only an IPv6 prefix
  - Prefix delegation (56)
  - Send IPv6 prefix hint
  - Enable debug
  - Use IPv4 connectivity

**DHCPv6 client configuration**

**Configuration Mode** Basic Advanced Config File Override

**Request only an IPv6 prefix**

**Prefix delegation size**

**Send IPv6 prefix hint**

**Prevent release**

**Enable debug**

**Use IPv4 connectivity**

**Use VLAN priority**

Save Cancel

## Configuration interface LAN

1. Choisir pour IPv6 Configuration Type: Track Interface

The screenshot shows the OPNsense web interface. On the left is a sidebar menu with categories: Lobby, Reporting, System, Interfaces, Assignments, Overview, Settings, Wireless, Point-to-Point, Other Types, Diagnostics, Firewall, VPN, and Services. The 'Interfaces' section is expanded, showing a list of interfaces: [LAN], [LAN\_CAMERA], [LAN\_GUEST], and [WAN]. The [LAN] interface is selected. The main content area is titled 'Interfaces: [LAN]' and is divided into two sections: 'Basic configuration' and 'Generic configuration'. In the 'Basic configuration' section, 'Enable' is checked, 'Lock' is unchecked, 'Device' is 'igb0', and 'Description' is 'LAN'. In the 'Generic configuration' section, 'Block private networks' and 'Block bogon networks' are unchecked. 'IPv4 Configuration Type' is set to 'Static IPv4' and 'IPv6 Configuration Type' is set to 'Track Interface'.

2. Un MSS de 1472 a pu aider dans certains cas
3. Choisissez l'interface source, donnez un préfix (optionnel) et cochez configuration manuelle

**Track IPv6 Interface**

**IPv6 Interface** WAN

**IPv6 Prefix ID** 0x aa

**Manual configuration**  Allow manual adjustment of DHCPv6 and Router Advertisements

## Configuration DHCP & RA

1. Dans Services → Router Advertisements → LAN, choisir managed

The screenshot shows the OPNSense web interface. On the left is a sidebar menu with categories: Lobby, Reporting, System, Interfaces, Firewall, VPN, Services, and Power. The 'Services' category is expanded, showing sub-items like Captive Portal, DHCPv4, DHCPv6, Dnsmasq DNS, Dynamic DNS, Intrusion Detection, Monit, Network Time, OpenDNS, Router Advertisements, Unbound DNS, and Web Proxy. The 'Router Advertisements' item is selected, and the sub-item '[LAN]' is highlighted. The main content area is titled 'Services: Router Advertisements: [LAN]'. It contains several configuration fields: 'Router Advertisements' set to 'Managed', 'Router Priority' set to 'Normal', 'Advertise Default Gateway' checked, 'Advertise Routes' with a '+' button and an empty 'Prefix' field, 'DNS servers' with two empty input fields and a checkbox 'Use the DNS settings of the DHCPv6 server' which is unchecked, 'Domain search list' with an empty input field, 'Minimum Interval' set to '200', and 'Maximum Interval' set to '600'.

2. Dans Services → DHCPv6 → LAN, cliquer sur Enable, définir un Range et indiquer un préfixe de 64

The screenshot shows the OPNSense web interface. The top right corner shows the user 'root@gateway.makeitsimple.lan' and a search bar. The sidebar menu is the same as in the previous screenshot, with 'Services' expanded and 'DHCPv6' selected, and the sub-item '[LAN]' highlighted. The main content area is titled 'Services: DHCPv6: [LAN]'. It contains several configuration fields: 'Enable' checked with the label 'Enable DHCPv6 server on LAN interface', 'Subnet' with a masked input field, 'Subnet mask' set to '64 bits', 'Current LAN IPv6 prefix' with a masked input field, 'Available prefix delegation size' set to '57', 'Available range' with a masked input field and the text 'Prefix subnet will be prefixed to the available range.', and 'Range' with two input fields: 'from' containing '::10' and 'to' containing '::ffff'.

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