

Proxmox

How to setup IPv6 on a Proxmox host?

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Explanation

This article describes how to set up IPv6 on Proxmox.

1. Add IPv6 configuration to [/etc/network/interfaces](#)

Edit the [/etc/network/interfaces](#) file and add your IPv6 configuration.

```
iface vmbr0 inet6 static
address IPv6_Adresse
netmask 64
up ip -6 route add IPv6_Gateway dev vmbr0
up ip -6 route add default via IPv6_Gateway dev vmbr0
down ip -6 route del default via IPv6_Gateway dev vmbr0
down ip -6 route del IPv6_Gateway dev vmbr0
```

if you have done that, save the file.

2. Add IP and FQDN to [/etc/hosts](#)

and as next step edit the [/etc/hosts](#) file, and add your IP and the FQDN.

IPv6_Adresse FQDN Hostname

(Example "2001:4ba0:ffa4:1:beef::1 mail.domain.tld mail")

if this is entered correctly, save the file.

3. Add nameserver to [/etc/resolv.conf](#)

Open the [/etc/resolv.conf](#) file and add the IPv6 name servers there.

nameserver 2001:4860:4860::8888

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nameserver 2001:4860:4860::8844

4. Edit **sysctl.conf**

Run the following command to edit the sysctl.conf file:

```
sysctl -w net.ipv6.conf.all.forwarding=1
```

5. Restart server

Once everything is complete and successfully set up, reboot your system. IPv6 should now be working.

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