

Proxmox

How to setup IPv6 on a Proxmox host?

Table of Contents

- [Explanation](#)
- [1. Add IPv6 configuration to /etc/network/interfaces](#)
- [2. Add IP and FQDN to /etc/hosts](#)
- [3. Add nameserver to /etc/resolv.conf](#)
- [4. Edit sysctl.conf](#)
- [5. Restart server](#)

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

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.

Unique solution ID: #1475

Author: Bettina Brauer

Last update: 2021-05-21 03:16