

dnsmasq auf Ubuntu 22.04

Quelle: <https://computingforgeeks.com/install-and-configure-dnsmasq-on-ubuntu/>

1. DNS-Server

systemd-resolve deaktivieren

```
sudo systemctl disable systemd-resolved
sudo systemctl stop systemd-resolved
ls -lh /etc/resolv.conf
sudo unlink /etc/resolv.conf
```

Neue resolv.conf-Datei erstellen

```
echo nameserver 8.8.8.8 | sudo tee /etc/resolv.conf
```

Installation

```
sudo apt update
sudo apt install dnsmasq
```

Konfiguration: /etc/dnsmasq.conf

```
# Listen on this specific port
# Setting this to zero completely disables DNS function,
# leaving only DHCP and/or TFTP.
port=53

# Never forward plain names (without a dot or domain part)
domain-needed

# Never forward addresses in the non-routed address spaces.
bogus-priv

# Reihenfolge wie in /etc/resolv.conf
strict-order

# Add domain name to simple names in a hosts-file
expand-hosts

# Set the domain for dnsmasq. this is optional, but if it is set, it
# does the following things.
# 1) Allows DHCP hosts to have fully qualified domain names, as long
#    as the domain part matches this setting.
# 2) Sets the "domain" DHCP option thereby potentially setting the
#    domain of all systems configured by DHCP
# 3) Provides the domain part for "expand-hosts"
domain=btin.lan

# Set Listen address
listen-address=192.168.100.10 # Set to Server IP for network responses
```

Start

```
sudo systemctl restart dnsmasq
```

DNS-Einträge hinzufügen in /etc/hosts

```
192.168.100.101 web1.lan
192.168.100.101 web2.lan
```

Neustart

```
sudo systemctl restart dnsmasq
```

2. DHCP-Server

/etc/dnsmasq.conf

```
dhcp-range=192.168.100.20,192.168.100.30,1h
dhcp-option=option:router,192.168.100.1
dhcp-option=option:ntp-server,192.168.100.1
dhcp-option=option:dns-server,192.168.100.10
dhcp-option=option:netmask,255.255.255.0
```

restart

```
sudo systemctl restart dnsmasq
```