

# Ubuntu-Server 24.10: dnsmasq (DNS- und DHCP-Server)

## Installation

```
sudo apt install dnsmasq
```

## systemd-resolved deaktivieren

```
sudo systemctl disable systemd-resolved
sudo systemctl stop systemd-resolved
sudo rm /etc/resolv.conf
```

## Konfigurationsdateien

### Konfigurationsdatei /etc/dnsmasq.conf

```
# DHCP-Server
dhcp-range=192.168.1.50,192.168.1.60,1h
dhcp-option=option:netmask,255.255.255.0
dhcp-option=option:router,192.168.1.1
dhcp-option=option:dns-server,192.168.1.100

# DNS-Server
port=53
domain-needed
bogus-priv
strict-order
expand-hosts
domain=gbs.lan
listen-address=127.0.0.1
listen-address=192.168.1.100
```

### Konfigurationsdatei /etc/hosts

```
192.168.1.101 web1.lan
192.168.1.102 web1.lan
```

### Konfigurationsdatei /etc/resolv.conf

```
nameserver 127.0.0.1
nameserver 1.1.1.1
```

### Konfigurationsdatei /etc/default/dnsmasq

```
IGNORE_RESOLVCONF=yes
DNSMASQ_EXEPT="10"
```

## Konfiguration übernehmen

### Syntaxcheck

```
sudo dnsmasq --test
```

## **Status, Start, Restart**

```
sudo service dnsmasq status  
sudo service dnsmasq start  
sudo service dnsmasq restart
```