

Zur Grundausstattung eines Linux-Rechners gehört ein DHCP-Server. Hier die Konfiguration

Installation

```
sudo apt-get install dhcp3-server
```

Konfiguration

Zuerst muss in der Datei /etc/default/dhcp3-server folgendes eingetragen werden, auf welche Netzwerkschnittstelle der DHCP-Server antworten soll

```
INTERFACES="eth0"
```

Konfigurationsdatei wie folgt füllen (/etc/dhcp3/dhcpd.conf)

[dhcpd.conf](#)

```
# eigene Konfiguration
# -----
# Globale Konfiguration

# DHCP-Einstellungen
authoritative;
default-lease-time      86400;
max-lease-time          86400;

# Netzwerkeinstellungen
option broadcast-address 192.168.0.255;
option subnet-mask       255.255.255.0;
option routers           192.168.0.254;
option domain-name-servers 192.168.0.254;
option domain-name       "schindelman.local";

# -----
# Dynamische IP-Zuweisung
subnet 192.168.0.0 netmask 255.255.255.0 {
    range 192.168.0.90 192.168.0.99;
}

# -----
# Statische IP-Zuweisung
host workstation {hardware ethernet 00:40:ca:68:2e:d4; fixed-
address 192.168.0.101; }
host laptop-lan {hardware ethernet 00:02:3f:18:e2:33; fixed-
address 192.168.0.102; }
host laptop-wlan {hardware ethernet 00:0e:35:2d:40:c1; fixed-
address 192.168.0.103; }
host laptop-gbit {hardware ethernet 00:13:3b:02:b4:ba; fixed-
```

```
address 192.168.0.104; }
  host netbook-lan      {hardware ethernet 00:1d:92:58:8c:3e; fixed-
address 192.168.0.105; }
  host netbook-wlan    {hardware ethernet 00:15:af:bc:4d:ce; fixed-
address 192.168.0.106; }
  host fernseher       {hardware ethernet 00:12:fb:a2:0a:ef; fixed-
address 192.168.0.107; }
  host wii-lan         {hardware ethernet 00:19:fd:4e:42:dd; fixed-
address 192.168.0.108; }
  host wii-wlan        {hardware ethernet 00:1b:ea:f2:42:ab; fixed-
address 192.168.0.109; }
  host dvd-player      {hardware ethernet 00:06:dc:40:07:c2; fixed-
address 192.168.0.110; }
  host popcorn-hour    {hardware ethernet 00:06:dc:80:8b:1c; fixed-
address 192.168.0.111; }
  host Nokia-E51      {hardware ethernet 00:1c:d6:2e:83:f7; fixed-
address 192.168.0.112; }
  host e-pc            {hardware ethernet 00:01:02:06:0c:0b; fixed-
address 192.168.0.120; }
```

Problembehebung

Problem:

- DHCP-Server starten nicht
- Log-File des DHCP-Servers (/var/log/syslog) stehen folgende einträge

```
Can't open lease database /var/lib/dhcpd/dhcpd.leases: No such file or
directory --
check for failed database rewrite attempt!
```

Lösung: Die Datei dhcpd.leases konnte nicht angelegt werden

```
sudo mkdir /var/lib/dhcpd
```

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