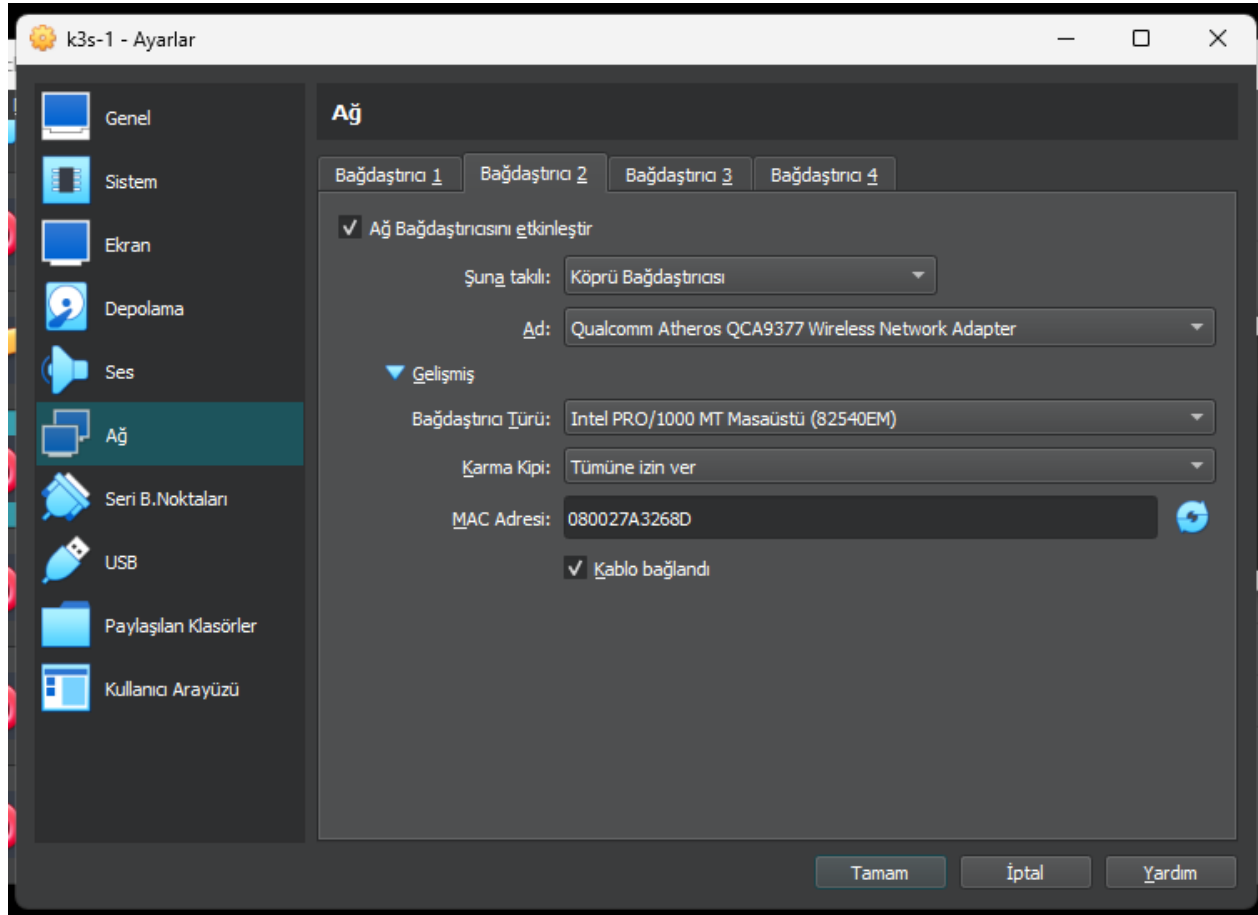




STATIC IP CONFIGURATION

Ahmet Oğuz Ergin

Add New Network Device to VM



Check information of the device. enp0s8 is added without ip address.

```
root@k3s-4:~# ip link show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP mode DEFAULT group default qlen 1000
    link/ether 08:00:27:5d:35:58 brd ff:ff:ff:ff:ff:ff
3: enp0s8: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN mode DEFAULT group default qlen 1000
    link/ether 08:00:27:84:d1:ea brd ff:ff:ff:ff:ff:ff
root@k3s-4:~#
root@k3s-4:~#
root@k3s-4:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:5d:35:58 brd ff:ff:ff:ff:ff:ff
```

```

    inet 192.168.1.152/24 brd 192.168.1.255 scope global dynamic enp0s3
        valid_lft 85143sec preferred_lft 85143sec
    inet6 fe80::a00:27ff:fe5d:3558/64 scope link
        valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 08:00:27:84:d1:ea brd ff:ff:ff:ff:ff:ff
root@k3s-4:~#

```

Set static ip address

Configure **interfaces** file and add last block.

```

nano /etc/network/interfaces

# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
allow-hotplug enp0s3
iface enp0s3 inet dhcp

# My secondary static network interface
auto enp0s8
iface enp0s8 inet static
    address 192.168.1.21
    netmask 255.255.255.0
    gateway 192.168.1.1
    dns-nameservers 8.8.8.8 8.8.4.4

```

Restart service with

```
systemctl restart networking
```

Check service again:

```

root@k3s-4:~# ip addr show enp0s8
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:84:d1:ea brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.24/24 brd 192.168.1.255 scope global enp0s8
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe84:d1ea/64 scope link
        valid_lft forever preferred_lft forever

```