



Using brakeout cable with 40G Intel NIC on VyOS

Elchin Khudiyev - 2022-01-25 - 0 Comments - in Hardware

VyOS doesn't support other modes rather than default **Nx40G** out-of-box with 40G Intel NICs due to licensing limitations. You can download an additional package from the official Intel website and change NIC operating mode manually. Here is an example on how to do that:

- Download the required package for Linux on your VyOS device

wget https://downloadmirror.intel.com/25851/eng/Linux_x64.zip

- Unpack the downloaded archive, enter the unpacked directory and make **qcu64e** file executable

```
unzip Linux_x64.zip
cd Linux_x64
chmod +x qcu64e
```

- Check available devices

```
sudo ./qcu64e /DEVICES
```

- Check available modes

```
sudo ./qcu64e /NIC=1 /INFO
```

- Set NIC mode to 4x10G (**device reboot required to finish NIC mode update**)

```
sudo ./qcu64e /NIC=1 /SET=4x10
```

- Check NIC info and mode after reboot

```
sudo ./qcu64e /NIC=1 /INFO
```

Tags

40G

4x10G

breakout

Intel NIC

NIC modes

