PCI-Passthrough KVM

iommu

```
grubby --args="amd_iommu=on intel_iommu=on iommu=pt" --update-kernel DEFAULT
```

passthrough

```
$ lspci -Dnn | grep VGA
0000:02:00.0 VGA compatible controller [0300]: NVIDIA Corporation GK106GL
[Quadro K4000] [10de:11fa] (rev a1)

#                          GPU                              .                 pci-stub
      GPU   PCI ID                    .
#          ,                        10de:11fa              GPU
  :
$ grubby --args="pci-stub.ids=10de:11fa" --update-kernel DEFAULT
$ sync; reboot
```
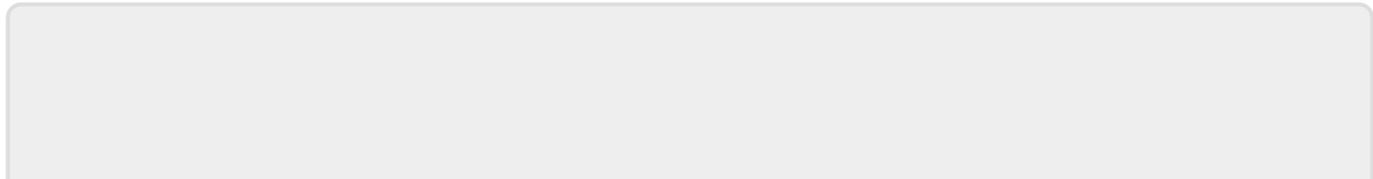
            .   .
  GPU   VM   <address domain='0x0000'
bus='0x02' slot='0x00' function='0x1'/>
               VFIO-PCI   .

```
$ driverctl set-override 0000:02:00.1 vfio-pci
$ sync; reboot
```

           VM   .

- https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/8/html/configuring_and_managing_virtualization/assembly_managing-gpu-devices-in-virtual-machines_configuring-and-managing-virtualization

From:

https://atl.kr/dokuwiki/ - **AllThatLinux!**

Permanent link:

https://atl.kr/dokuwiki/doku.php/pci-passthrough_kvm

Last update: **2023/03/02 13:37**