

**PCI-Passthrough KVM** ..... 3  
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# 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)

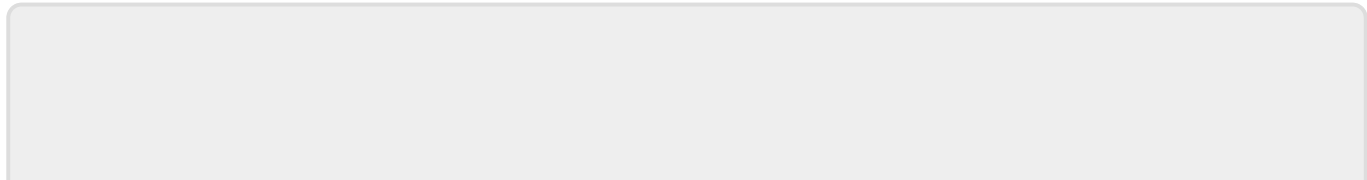
#          가 GPU          .          pci-stub
#      GPU  PCI ID          가 10de:11fa          GPU
:
$ grubby --args="pci-stub.ids=10de:11fa" --update-kernel DEFAULT
$ sync; reboot
```

```
가          가
GPU VM          가          <address domain='0x0000'
bus='0x02' slot='0x00' function='0x1' />가
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](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)



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