

# GPU

- [code 43 solved](#)

## Prereq

- Install ovfm
- <https://scottlinux.com/2016/03/21/enable-hyper-v-enlightenments-in-kvm-for-better-windows-v-m-performance/>

[/etc/modules](#)

```
vfio
vfio_iommu_type1
vfio_pci
vfio_virqfd
```

```
update-initramfs -u
```

Create VM and customize configuration before start:

- In the “Overview” section, set your firmware to “UEFI” and Q35 BIOS
- In the “Processor” section write CPU model to “host-passthrough”

```
<domain type='kvm' xmlns:qemu='http://libvirt.org/schemas/domain/qemu/1.0'>
...

<features>
  <hyperv>
    <vendor_id state='on' value='123456789ab' />
  </hyperv>
  <kvm>
    <hidden state='on' />
  </kvm>
</features>

  <hostdev mode='subsystem' type='pci' managed='yes'>
    <source>
      <address domain='0x0000' bus='0x01' slot='0x00' function='0x0' />
    </source>
    <rom file='/opt/Palit.GTX750Ti.2048.140702.rom' />
    <address type='pci' domain='0x0000' bus='0x00' slot='0x09'
function='0x0' />
  </hostdev>
  <hostdev mode='subsystem' type='pci' managed='yes'>
    <source>
```

```
<address domain='0x0000' bus='0x01' slot='0x00' function='0x1' />
</source>
<address type='pci' domain='0x0000' bus='0x00' slot='0x0a'
function='0x0' />
</hostdev>

...
<qemu:commandline>
  <qemu:arg value='-set' />
  <qemu:arg value='device.hostdev0.x-vga=on' />
</qemu:commandline>
</domain>
```

From:  
<https://wiki.csgalileo.org/> - Galileo Labs

Permanent link:  
<https://wiki.csgalileo.org/tips/gpu?rev=1479928677>

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