

QubesOS articles

MISC

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1. NITROKEY AND QUBEOS

To use a nitrokey on QubeOS, a USB passthrough is required. This means, you need to have a sys-usb VM. [This is mentioned in the Qubes Documentation.](#)

Note, you cannot pass through devices from dom0
(in other words: a USB VM is required).

If you are using a USB keyboard, the sys-usb VM is not installed by default. If you are using a USB keyboard, you have 2 options:

- Create a sys-usb VM and assign a USB Controller to it.
- If you can't assign a USB Controller (ex: You only have 1 on your computer and can't buy another), then buy and use a PS/2 Keyboard.

2. RECOVERY: MOUNT DISK

```
#!/bin/bash

#####
# Make a LVM image appear in qvm-block
# Create a disposable VM
# Attach the image to the newly created disposable VM
# Wait until the disposable VM is destroyed
# Remove the LVM image from the qvm-block list
#####

image=${1?Image file is required, example
↪ "/dev/qubes_dom0/vm-debian-9-tmp-root"}
dvm=${2?DVM template name is required, example: "fedora-29-dvm"}
dev=$(basename $(readlink "$image"))
qubesdb-write
/qubes-block-devices/$dev/desc "$image"
list_before=$(qvm-ls | cut -d " " -f1 | sort)
qvm-run -v --dispvm=$dvm --service qubes.StartApp+xterm &
sleep 5
list_after=$(qvm-ls | cut -d " " -f1 | sort)
diff=$(comm -3 <(echo "$list_before") <(echo "$list_after"))
qvm-block attach $diff dom0:$dev
wait
qubesdb-rm /qubes-block-devices/$dev/
```

Then mount the volume.

```
mount /dev/xxxx /xxxxx
```

In some case, the volume is partitionned, so you need to mount the partition. First, print the partition table

```
sudo parted /dev/XXXXXXXXXX unit B print
```

Example:

```
$:sudo parted /dev/windows-vg/vg-game-root unit B print
Model: Linux device-mapper (thin) (dm)
Disk /dev/dm-138: 314572800000B
Sector size (logical/physical): 512B/512B
Partition Table: msdos
Disk Flags:

Number  Start          End              Size              Type              File
↪ system  Flags
1       1048576B       105906175B      104857600B        primary          ntfs
↪ boot
2       105906176B     314571751423B   314465845248B     primary          ntfs
```

Then mount the partition you want

```
sudo mount -o loop,offset=105906176 -t ntfs /dev/XXXXXXXXXX
↪ /mnt/
```