

## Mount\_kvm\_file\_based\_image\_(disk.img)\_on\_host\_computer

Xen based disk images are of course easy to mount as they don't have a mbr or partitions. KVM however requires a disk image with boot, swap and extended partitions. As a result mounting a KVM disk based image is a little different, but as it turns out, quite easy.

There are loads of different ways of doing this. Many of them didnt work for me. lomount which was mentioned a lot, but wasn't in debian (as far as I could see). losetup was but there were extra steps involved which were not needed.

The commands below work for ext3 and ntfs, no problem! The only requirement is that it is a file based disk image.

## Commands =

```
#on the host computer with the VM shutdown
kpartx -av disk.img
mount /dev/mapper/loop0p1 /mnt
umount /mnt
kpartx -dv disk.img
```

## Example Mount

```
Debian-50-lenny-32-minimal:~# kpartx -av /xens/vm03/disk-vm03.img
add map looplp1 (253:2): 0 9687132 linear /dev/loop1 63
add map looplp2 (253:3): 0 546210 linear /dev/loop1 9687195
add map looplp5 : 0 546147 linear 253:3 63
Debian-50-lenny-32-minimal:~# mount /dev/mapper/loop1p1 /mnt
Debian-50-lenny-32-minimal:~# ls /mnt
bin boot cdrom dev etc home initrd.img lib lost+found media mnt opt proc root sbin se
Debian-50-lenny-32-minimal:~# umount /mnt
Debian-50-lenny-32-minimal:~# kpartx -dv /xens/vm03/disk-vm03.img
del devmap : looplp5
del devmap : looplp2
del devmap : looplp1
loop deleted : /dev/loop1
```

Ref: <http://www.linuxquestions.org/questions/linux-virtualization-90/how-to-mount-a-kvm-image-file-787557/>