



??? virtual machine ??????????.????????????????????.

- **virtual disk - disk partition**  
**???? partition** ??????????,?????????.????????? partition.

????????????Virtual machine ??( physical) ? disk / cdrom ??? disk ??? HD,Floppy,USB Key. ????: ?  
 ?????,????? "#xm"

**1.????**

```
[root@benjr ~]#vi /etc/xen/guest
----- for physical disk -----
disk=[ 'phy:/dev/hda,hdb,w', ]
----- for physical CDROM -----
disk=[ 'phy:/dev/hda,hdb:cdrom,r', ]
```

?:  
 phy:/dev/hda - Dom0?????????  
 hdb - DomU ??????????,??? cdrom ??????(hdb:cdrom ).  
 w - writable(?????????)  
 r - readable(??CDROM/DVD ??)

??? xm ???????????,? Virtual machine ? Detail / Hardware ???!

????? Guest OS ???????????.

2.?? "#xm"

```
----- for physical disk -----  
[root@benjr ~]#xm block-attach guest phy:/dev/hda,hdb,w  
----- for physical CDROM -----  
[root@benjr ~]#xm block-attach guest phy:/dev/hda,hdb:cdrom,r
```

?? xm ???????????.

- **virtual disk - nonsparse image**  
??????? partition ,? **??(images)** ??????????.?????????? partition ??.

???????? Virtual machine ?? Image ??? virtual disk,????: ??????,????? "#xm"

1.????

???????????? image ??? virtual disk,?? "#dd" ????????????? SELinux ?? Image ??? virtual disk ?????  
?? /var/lib/xen/images/.

```
[root@benjr ~]#cd /var/lib/xen/images/  
[root@benjr ~]#dd if=/dev/zero of=vdisk.img bs=512k count=20480  
#512kB*20480=10GB
```

?? virtual machine ???

```
[root@benjr ~]#vi /etc/xen/guest  
disk=[ 'file:/var/lib/xen/images/vdisk.img,hdc,w', ]
```

??:

file:/var/lib/xen/images/vdisk.img - Image ??????

hdc - DomU ??????????

w - writable

???? xm ?????????????,? Virtual machine ? Detail / Hardware ???!

?????????????????

2.?? "#xm"

```
[root@benjr ~]#xm block-attach guest file:/var/lib/xen/images/vdisk.img,hdc,w
```

?? xm ????????????

- **virtual disk - sparse image**  
?????(images) ???????,??????????????,?????????!?????????????.???????????????,  
?????? **sparse image** ?????, Guest ?????!

XEN ?????? "lomount" ?????? mount Virtual machine images(???????? image ???,???????? partition ??),?????????:  
 ?????? Virtual machine image ? partition ??.

```
[root@benjr ~]# lomount -diskimage /PATH/TO/Image.file
```

Please specify a partition number. Table is:

Num Start - End OS Bootable

1: 32256 - 106928128: **83** 80

2: 106928640 - 10479006208: **8e** 0

???????????????????????????????

partition ID(83) - ext2/ext3 ????? refeies ??. partition ID(8e) - LVM ??????.????????? partition 2 ?????????????  
 ??? partition ????? Virtual machine image ? partition ??????.

```
[root@benjr ~]# lomount -diskimage /PATH/TO/Image.file -partition n /mnt
```

? Guest OS ?????????? umount.