



??? 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.