Last
update:
2022/12/01
17:01
rdm_raw_device_mapping_
_ _ https://atl.kr/dokuwiki/doku.php/rdm_raw_device_mapping_%EC%9B%90%EC%8B%9C_%EC%9E%A5%EC%B9%98_%EB%A7%A4%ED%95%91

# RDM(Raw Device Mapping)

VMWare/ESXi/vCenter
.                                                                        RDM
.

RDM                              .

## ESXi Shell

/dev/disks/                                      .
vml.01000000004b314b3532544d44202020202020202020202020484753542048 →
t10.ATA_HGST_HUS726060ALE610K1K52TMD

.

```
[root@esxi:~] ls -al /dev/disks/
total 19569808625
drwxr-xr-x    2 root     root              512 Mar 22 11:46 .
drwxr-xr-x   16 root     root              512 Mar 22 11:46 ..
-rw-------    1 root     root       31914983424 Mar 22 11:46
mpx.vmhba32:C0:T0:L0
-rw-------    1 root     root          4161536 Mar 22 11:46
mpx.vmhba32:C0:T0:L0:1
-rw-------    1 root     root        262127616 Mar 22 11:46
mpx.vmhba32:C0:T0:L0:5
-rw-------    1 root     root        262127616 Mar 22 11:46
mpx.vmhba32:C0:T0:L0:6
-rw-------    1 root     root        115326976 Mar 22 11:46
mpx.vmhba32:C0:T0:L0:7
-rw-------    1 root     root        299876352 Mar 22 11:46
mpx.vmhba32:C0:T0:L0:8
-rw-------    1 root     root       2684354560 Mar 22 11:46
mpx.vmhba32:C0:T0:L0:9
-rw-------    1 root     root     6001175126016 Mar 22 11:46
t10.ATA_____HGST_HUS726060ALE610_____K1K52TMD_____
-rw-------    1 root     root     6001172414976 Mar 22 11:46
t10.ATA_____HGST_HUS726060ALE610_____K1K52TMD_____:1
-rw-------    1 root     root     2000398934016 Mar 22 11:46
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31DKR5N
-rw-------    1 root     root     2000397868544 Mar 22 11:46
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31DKR5N:1
-rw-------    1 root     root     2000398934016 Mar 22 11:46
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31J54HN
-rw-------    1 root     root     2000397795328 Mar 22 11:46
```

```
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31J54HN:1
lrwxrwxrwx    1 root     root           72 Mar 22 11:46
vml.0100000000202020202020204d4c30323230463331444b52354e486974616368 ->
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31DKR5N
lrwxrwxrwx    1 root     root           74 Mar 22 11:46
vml.0100000000202020202020204d4c30323230463331444b52354e486974616368:1 ->
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31DKR5N:1
lrwxrwxrwx    1 root     root           72 Mar 22 11:46
vml.0100000000202020202020204d4c303232304633314a3534484e486974616368 ->
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31J54HN
lrwxrwxrwx    1 root     root           74 Mar 22 11:46
vml.0100000000202020202020204d4c303232304633314a3534484e486974616368:1 ->
t10.ATA_____Hitachi_HDS5C3020ALA632_____ML0220F31J54HN:1
lrwxrwxrwx    1 root     root           20 Mar 22 11:46
vml.0100000000303030303032363630413031556c74726120 -> mpx.vmhba32:C0:T0:L0
lrwxrwxrwx    1 root     root           22 Mar 22 11:46
vml.0100000000303030303032363630413031556c74726120:1 ->
mpx.vmhba32:C0:T0:L0:1
lrwxrwxrwx    1 root     root           22 Mar 22 11:46
vml.0100000000303030303032363630413031556c74726120:5 ->
mpx.vmhba32:C0:T0:L0:5
lrwxrwxrwx    1 root     root           22 Mar 22 11:46
vml.0100000000303030303032363630413031556c74726120:6 ->
mpx.vmhba32:C0:T0:L0:6
lrwxrwxrwx    1 root     root           22 Mar 22 11:46
vml.0100000000303030303032363630413031556c74726120:7 ->
mpx.vmhba32:C0:T0:L0:7
lrwxrwxrwx    1 root     root           22 Mar 22 11:46
vml.0100000000303030303032363630413031556c74726120:8 ->
mpx.vmhba32:C0:T0:L0:8
lrwxrwxrwx    1 root     root           22 Mar 22 11:46
vml.0100000000303030303032363630413031556c74726120:9 ->
mpx.vmhba32:C0:T0:L0:9
lrwxrwxrwx    1 root     root           72 Mar 22 11:46
vml.01000000004b314b3532544d44202020202020202020202020484753542048 ->
t10.ATA_____HGST_HUS726060ALE610_____K1K52TMD_____
lrwxrwxrwx    1 root     root           74 Mar 22 11:46
vml.01000000004b314b3532544d44202020202020202020202020484753542048:1 ->
t10.ATA_____HGST_HUS726060ALE610_____K1K52TMD_____:1
[root@esxi:~]
```

. /vmfs/volumes/datastore1/DISKS/

.

-z      passthrough                 -r      RDM                 .

  .

```
# vmkfstools -z
/vmfs/devices/disks/vml.01000000004b314b3532544d44202020202020202020202020202048
4753542048 /vmfs/volumes/datastore1/DISKS/MY_RDMDISK.vmdk
```

MY_RDMDISK.vmdk

# ESXi 8          RDM

ESXi 8                    RDM          VM
.

VM    vmx                                        .

```
scsi0:1.deviceType = "scsi-hardDisk"
scsi0:1.fileName = "/vmfs/volumes/5e831b71-bbdb96de-
eacb-38d5477a4f69/RDM/rdm-disk3t.vmdk"
sched.scsi0:1.shares = "normal"
sched.scsi0:1.throughputCap = "off"
scsi0:1.present = "TRUE"
scsi0:1.mode = "independent-persistent"
```

scsi0:1                                                    .