

Shared Disks and disk cache ...



[bluedrake](#) 24 posts since

Jan 7, 2008

Hi all

I have followed the steps below to attach a drive to two virtual machines

```
vmkfstools -c 500G -d eagerzeroedthick -a lsilogic /vmfs/volumes/**/satashare.vmdk
```

Once that was done, i turned off the virtual machines and attached the drive:

- Attached it on a separate scsi controller
- Added it as an independent persistent drive
- Changed the new scsi controller to a virtual device

When i powered on the virtual machines they could all see the disk but they could not share the information on the disk, the machines only saw the information originally put there by themselves.

I have read that i have to edit the following in the config file

```
scsi1.present = "TRUE" scsi1.sharedBus = "none" scsi1.virtualDev = "lsilogic" scsi1:0.present = "TRUE"
scsi1:0.fileName = "D:\Virtual Machines\Shared Disk\SHARED-DISK.vmdk" to the following disk.locking =
"FALSE" diskLib.dataCacheMaxSize = "0" #scsi1 data storage scsi1.present = "TRUE" scsi1.virtualDev =
"lsilogic" scsi1.sharedbus = "none" scsi1:0.present = "TRUE" scsi1:0.fileName = " D:\Virtual Machines\Shared
Disk\SHARED-DISK.vmdk " scsi1:0.mode = "independent-persistent" scsi1:0.shared = "TRUE" scsi1:0.redo = "" Do i
have to add the "diskLib.dataCacheMaxSize" line in as we are doing this for sql servers and dont want all the drives
to have a 0 cache size. Thanks for the help in advance :)
```



[weinstein5](#) 6,331 posts since

Nov 19, 2005 1. **Re: Shared Disks and disk cache** Jun 19, 2009 5:26 AM

I believe you will need clustering software to have both O/Ses control the sharing of the disk - an O/S will not do this on its own - if you want to simply share the information I would give the disk to one of the VMs and use either SMB/NFS shares to allow the other VM access -

If you find this or any other answer useful please consider awarding points by marking the answer correct or helpful



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Jan 7, 2008 2. **Re: Shared Disks and disk cache** Jun 19, 2009 6:12 AM

in response to: [weinstein5](#)

Ahhh that sucks, do you know what clustering application I would have to use to do this?

Dont really want to have to use a shared drive via SMB/NFS as this will use the network card for data copies

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Nov 19, 2005 3. **Re: Shared Disks and disk cache** Jun 19, 2009 7:16 AM

in response to: [bluedrake](#) The one most frequently used is MS Clustering Services -

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If you find this or any other answer useful please consider awarding points by marking the answer correct or helpful