

# Convert IDE > SCSI Disk ...

---



[snowfresh](#) 41 posts since

Dec 27, 2005 Would it be possible to ghost a disk image from an IDE disk to a SCSI disk?

By adding a 2nd SCSI disk before this "migration" the LSILOGIC driver is added to the system.

Is this gonna work?

The VM solution requires editing a vmdk file, mine is 7GB so thats not gonna work.

Any other ideas?

Snow



[donbaek](#) 107 posts since

Jul 25, 2005 1. **Re: Convert IDE > SCSI Disk** Aug 1, 2006 12:33 AM

Yes, if you add the SCSI driver as you mention and also make sure you keep the geometry (you can hand edit it in the .vmdk file) that should work.

I have tried it on physical systems in the past (moving a SCSI disk from one controller to another), but not on a virtual machine, but in theory it is the same deal even though it is from IDE to SCSI - just make sure you get the geometry right.

You say that you cannot edit a vmdk file because it is large - please note that this editing refers to the small header file - the content of the virtual disk (e.g. sector data) is stored in other files referenced from here - the vmdk file itself is a simple text file describing what other files make up the disk file and other parameters (which includes the controller type and geometry).

Hope this helps.



[snowfresh](#) 41 posts since

Dec 27, 2005 2. **Re: Convert IDE > SCSI Disk** Aug 1, 2006 12:38 AM

 in response to: [donbaek](#) thanks for your answer ...

I have only one large vmdk file ... on this GSX box.


on my ESX machines I have vmdk files AND -flat- files

So I cannot edit this file. Am I missing something?



[donbaek](#) 107 posts since

Jul 25, 2005 3. **Re: Convert IDE > SCSI Disk** Aug 1, 2006 12:53 AM

 in response to: [snowfresh](#) You need to use the vmware-vdiskmanager tool to convert the disk to a type other than 0. You can read more here

Convert IDE > SCSI Disk ...

[http://www.vmware.com/support/gsx3/doc/disks\\_vdiskmanager\\_run\\_gsx.html](http://www.vmware.com/support/gsx3/doc/disks_vdiskmanager_run_gsx.html)

and here

[http://www.vmware.com/support/gsx3/doc/disks\\_vdiskmanager\\_eg\\_gsx.html](http://www.vmware.com/support/gsx3/doc/disks_vdiskmanager_eg_gsx.html)



**Quotient** 394 posts since

Nov 30, 2005 4. **Re: Convert IDE > SCSI Disk** Aug 2, 2006 4:45 AM

I've used the same process in the past a few times.

1. Add the second disk on an LSI Logic adapter and boot VM;
2. Add LSI Logic driver;
3. Reboot into PE / DOS and using ghost, etc. clone the original disk (IDE) to the new disk (LSI Logic);
4. Shutdown and remove the IDE disk;
5. Ensure the new disk is at scsi0:0;
6. Power up and make sure all is good;
7. Power down and migrate;
8. Add to inventory and upgrade hardware;
9. Power up and upgrade VMware Tools & Restart...

Worked for me every time...

Probably because ghost makes sure the geometry is correct. I dunno, but it works... 😊

You could also consider upgrading to the free VMware Server...

This process will remove GSX and you'll be able to upgrade the VMs to the Gen 5 spec before migration.

Then migrate, add the VM to the inventory, upgrade VMware Tools...

Ben