

Table of contents

CHAPTER 1 INSTALLING THE LSI DRIVER	3
1.1 WHY THIS IS NECESSARY	3
1.2 HOW TO.....	3

CHAPTER 1 INSTALLING THE LSI DRIVER

1.1 Why this is necessary

Vmware recommended setting is to use the LSI driver instead of the Buslogic driver. The purpose of this document is to increase the performance of the virtual machine by changing the SCSI adapter from Buslogic to LSIlogic.

1.2 How to

Make sure the machine's harddisk is on persistent.

Browse to the datastore.

Download the vmx file to your desktop.

Always keep a backup of the vmx file. So make a extra copy of it.

We are manually installing an extra scsi LSI controller in the vmx file.

Open the vmx file in Notepad ++ make sure it is working in unix format. Because it could happen that the vmx file is wrongly read by esx if it is in windows format.

Find the entry in the vmx file.

```
scsi0.present = "true"
```

```
scsi0.virtualDev = "buslogic"
```

If it does not exist's create the entry.

Now we are going to add the new lsi scsi adapter.

Add the line behind the scsi0.

```
scsi1.present = "true"
```

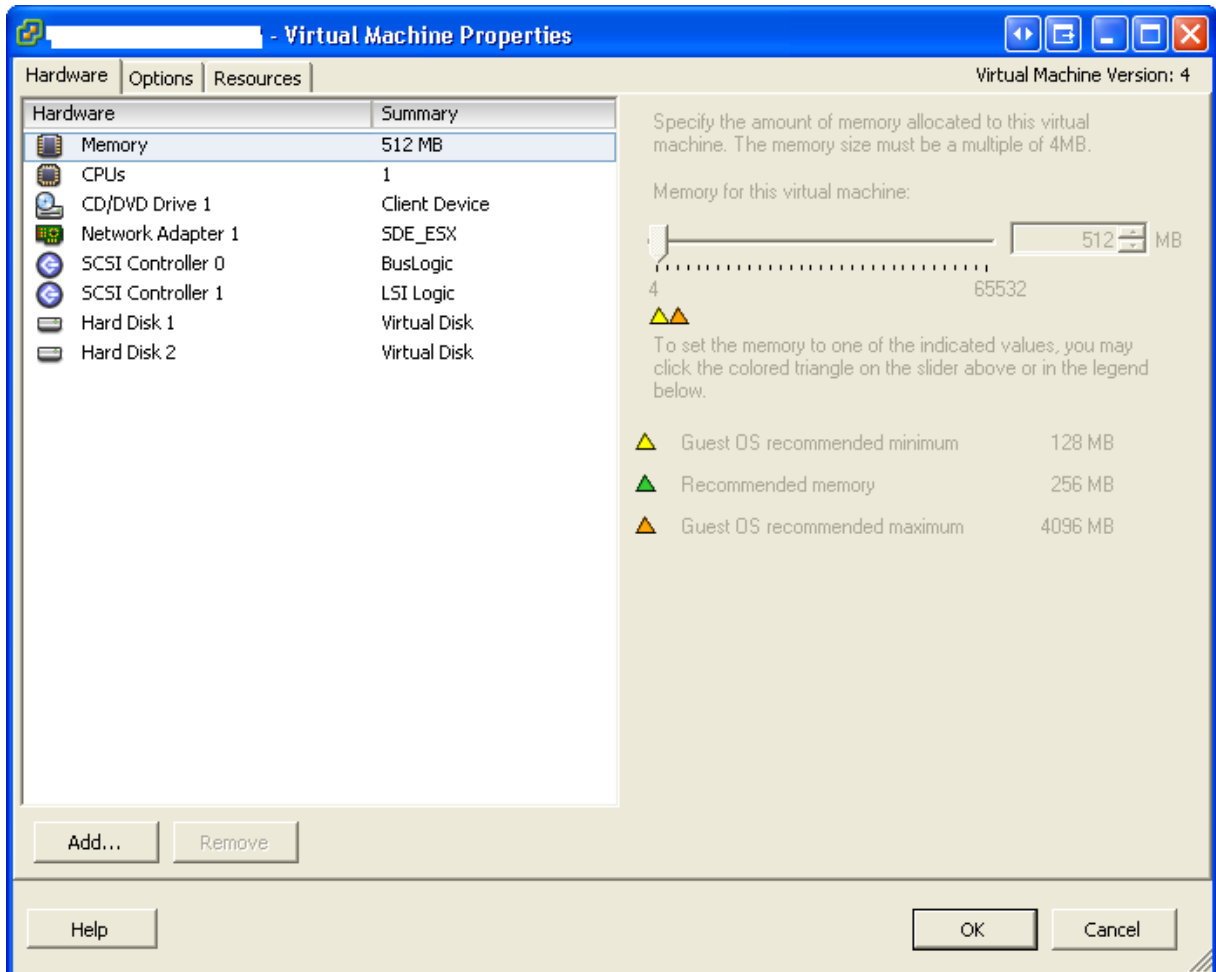
```
scsi1.virtualDev = "lsilogic"
```

```
21 scsi0:0.present = "true"
22 scsi0:0.fileName = "I _ .vmdk"
23 scsi0:0.mode = "independent-nonpersistent"
24 scsi0:0.deviceType = "scsi-hardDisk"
25 sched.scsi0:0.shares = "normal"
26 scsi0:1.present = "true"
27 scsi0:1.fileName = " _ .vmdk"
28 scsi0:1.mode = "independent-persistent"
29 scsi0:1.deviceType = "scsi-hardDisk"
30 sched.scsi0:1.shares = "normal"
31 scsi1.present = "TRUE"
32 scsi1.virtualDev = "lsilogic"
```

Save the vmx file.

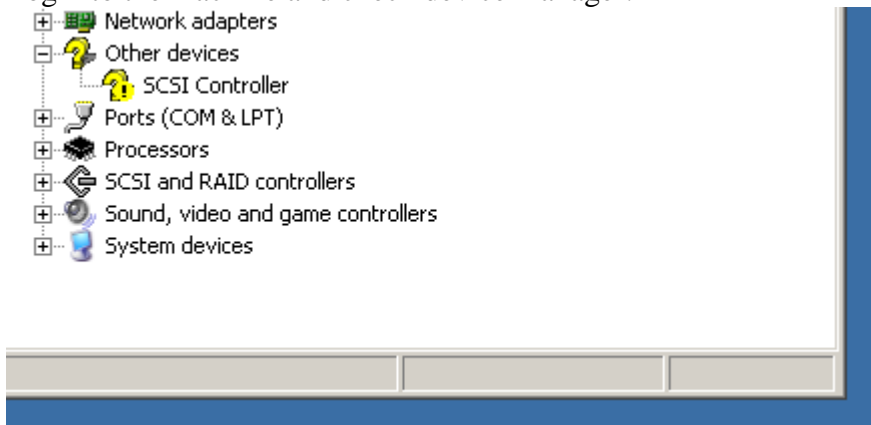
And upload it to the datastore.

Boot the machine and see that u have 2 scsi controllers!



one lsi and one buslogic.

Login to the machine and check device manager.



If the driver is not automatically installed (click search)

Then download the driver from www.lsillogic.com search for LSI20320 (windows xp x86 32bit)

Do not install the latest driver (as written 1.28) but download WHQL 1.20.18.00 MID 1005239 Initiator/Target bios/fw and Microsoft Certified driver.

Once installed shutdown the virtual machine.
Download the vmx file.
Edit vmx file.
Remove the 2 entries
scsi1.present = "true"
scsi1.virtualDev = "lsilogic"
Save the vmx file
Upload it to the correct datastore.
Change the scsi driver from buslogic to lsilogic.
Boot the machine and you will have a much better performance.

-End Of Document-