### CST 8207 GNU/Linux O/S I

Create a New VMware Virtual Hard Disk

### Road Map for Creating a New VMware virtual 1 GB Hard Disk

The following slides contain these steps that show you how to add a new 1 GB virtual hard disk in VMware. This first slide is an overview of what we will be doing in the next set of slides.

#### Do not do any of these steps until you have read all of the slides!

- 1. Before we begin, shut down Linux (do not suspend shut down)

  shutdown -h now
- 2. VMware: Virtual Machine -> Settings -> Hard Disk
- 3. VMware: Add Hard Disk Exactly 1 GB
- 4. boot (power on) Linux
- 5.ls -1 /dev/sd\*

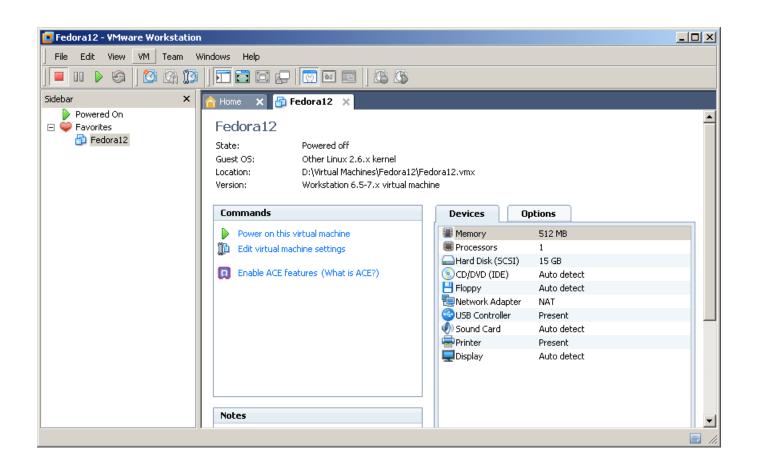
(make sure the sdb disk is visible)

6. cat /proc/partitions

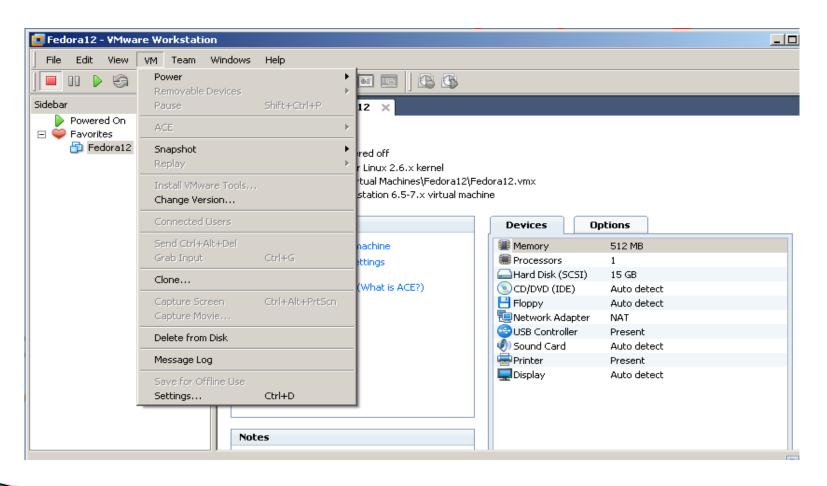
(make sure the sdb disk is visible)

Be sure to use fdisk on the new **sdb** 1 GB hard drive, not **sda**!

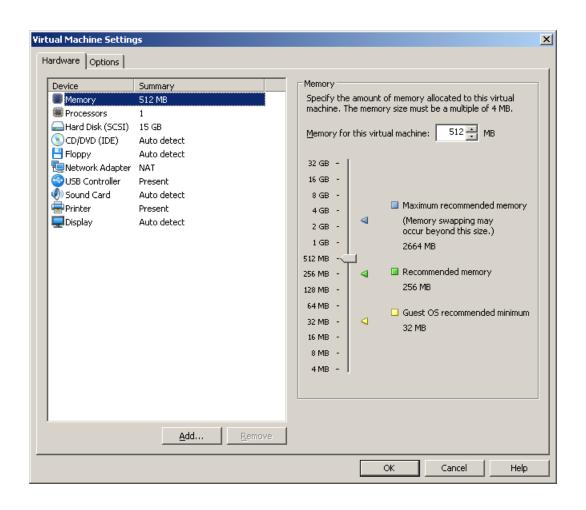
# Add Hard Disk: Be sure you're dealing with your Linux VM



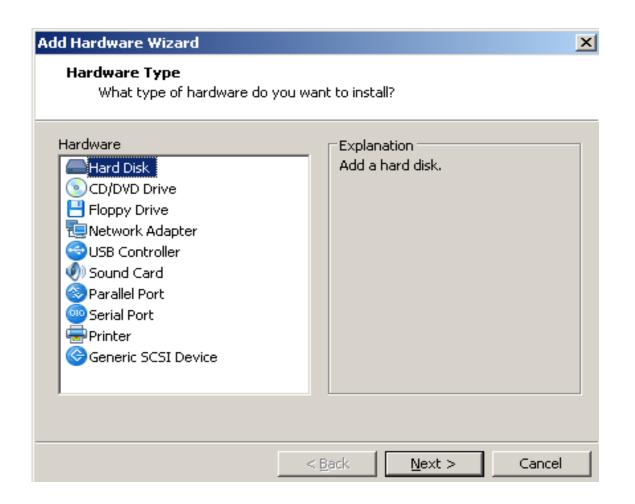
# Click on the "VM" menu, select "Settings..." at the bottom



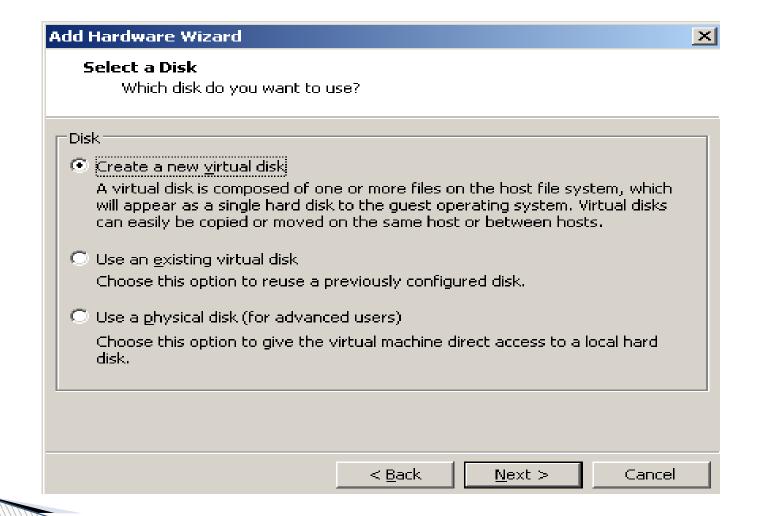
#### At the bottom, select "Add..."



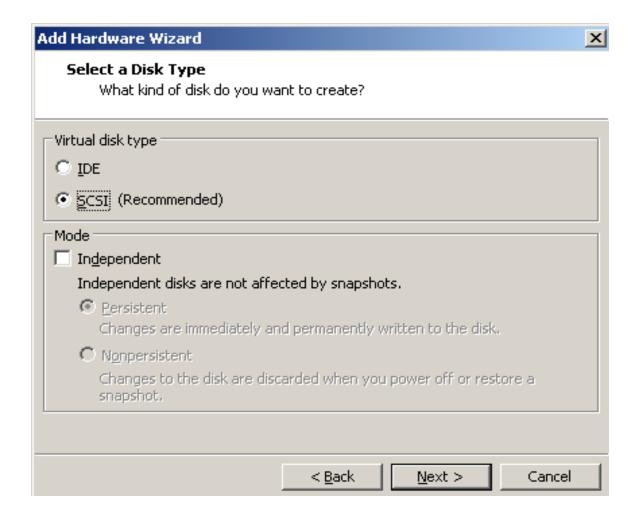
### Verify "Hard Disk" is selected, click "Next"



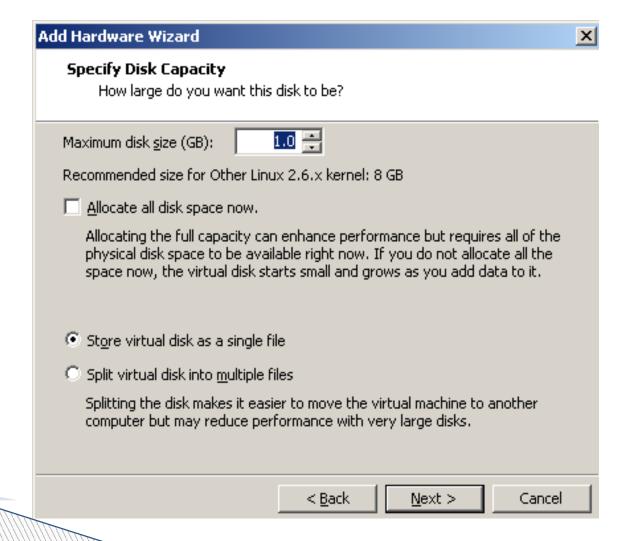
#### Accept defaults, Click "Next"



#### **Accept Defaults, Click "Next"**



### Change size to "1.0" GB, click "Next"

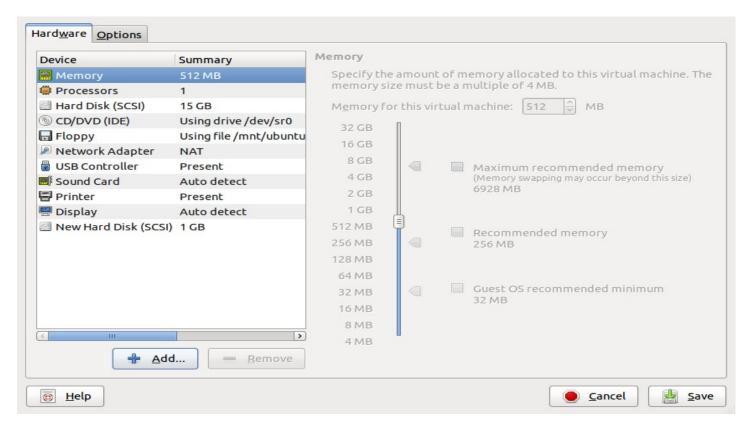


#### Accept default, Click "Finish"

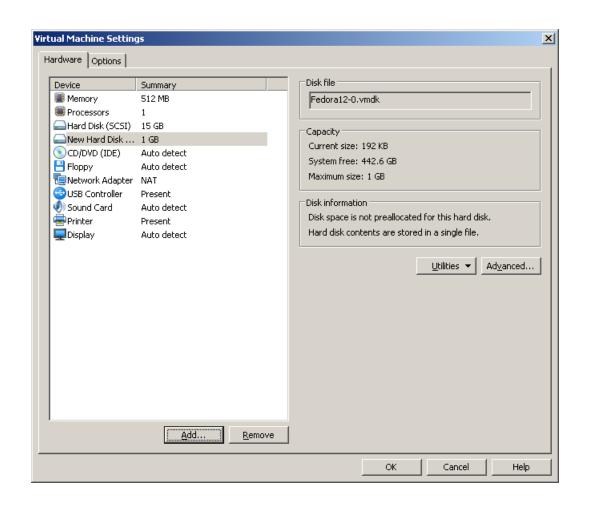


### If Necessary, click "Save"

Some versions of VMware will want you to "Save" your changes. Save your changes, if you are prompted to do so:



### Notice a 1GB Hard Disk has been added to the Devices



#### **Verify New Drive in Linux**

- 1.Reboot (power on) your Linux virtual machine.
- 2.Check the new disk should appear as /dev/sdb:

Be sure to use the disk partition command **fdisk** only on the new **sdb** 1 GB hard drive, *not* **sda**!

The **sda** disk is your Linux **ROOT** disk; if you damage it you will need to recover back to your snapshot.