Extending Disk Space

Depending on your environment you may need to enlarge the virtual disk on which the data is stored.
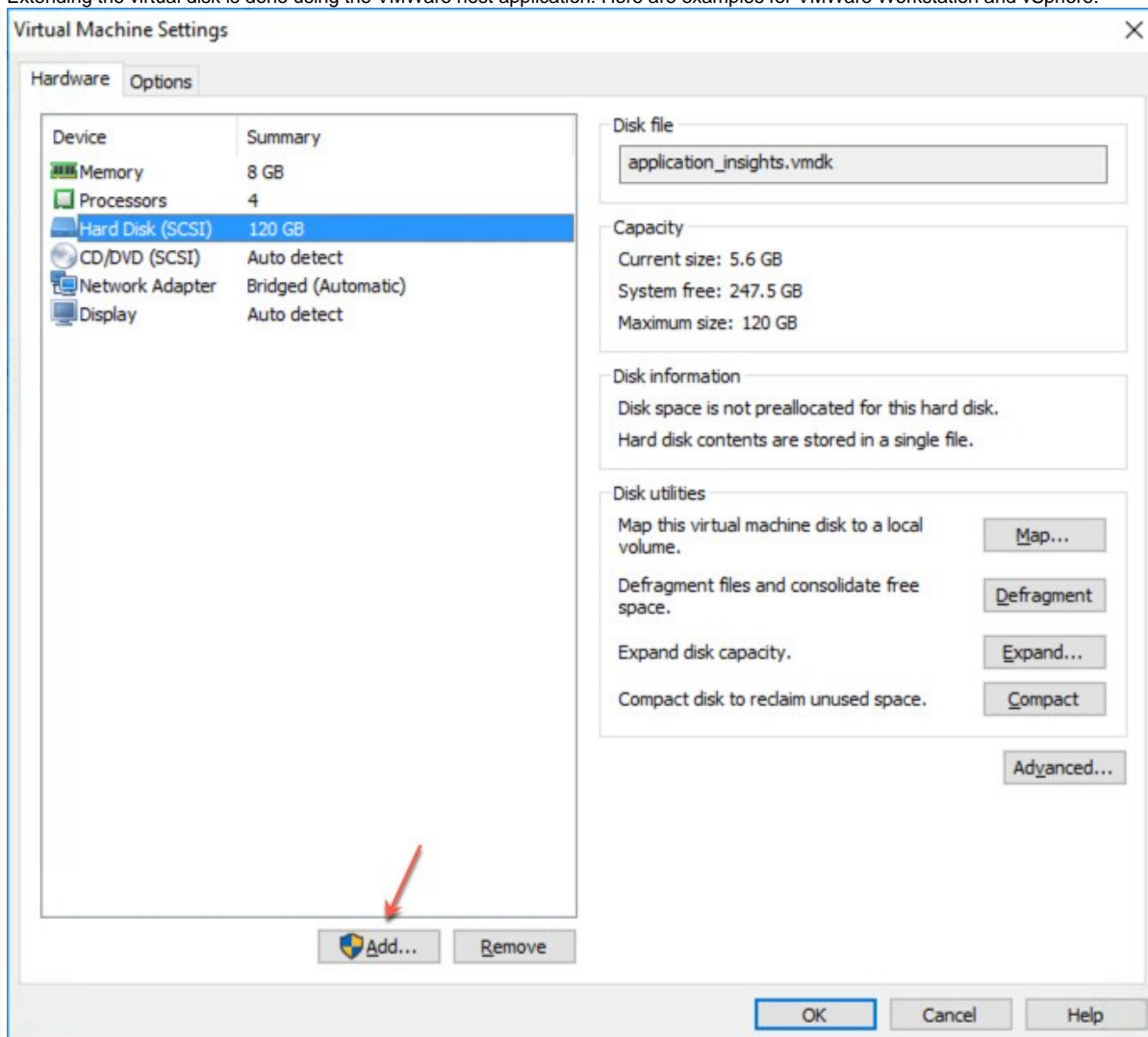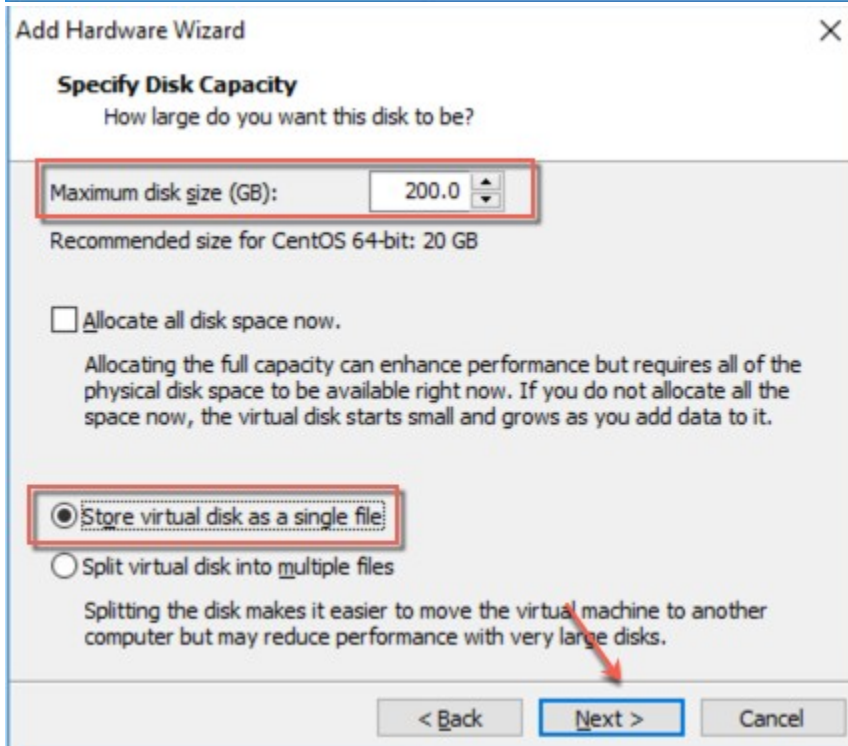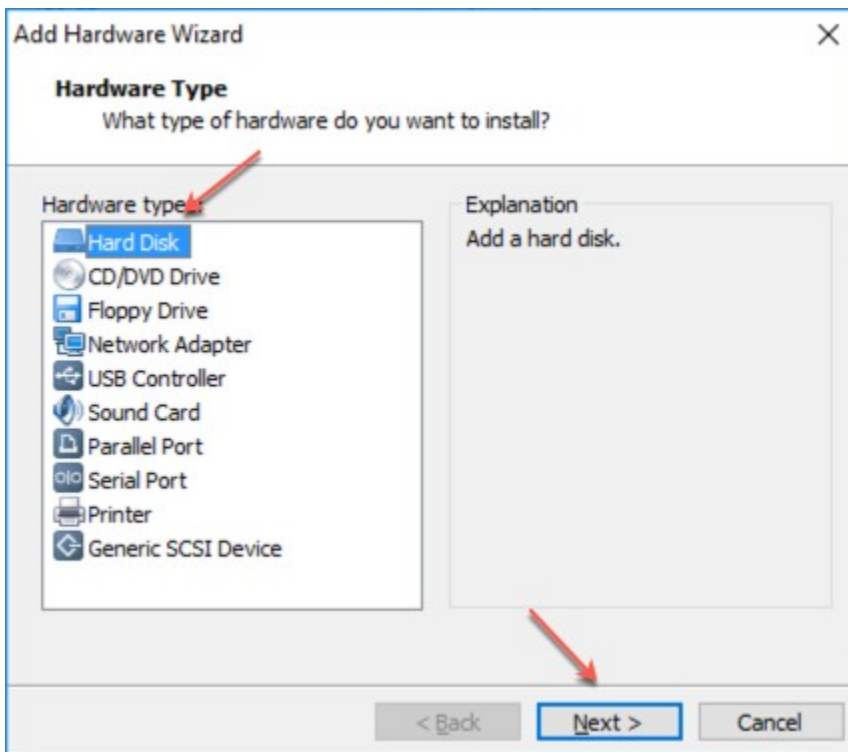
> ⚠ *Please note that all virtual disks have to be located on the same physical storage. Please also note that extending disk space ALWAYS means that you have to add a new disk on virtual hardware level. I. e. extending disk space never means enlarging existing disks.*

- Extending VMWare Disk
- Extending Hyper-V Disk
- Enlarging the Partition in the Appliance

Extending VMWare Disk

Extending the virtual disk is done using the VMWare host application. Here are examples for VMWare Workstation and vSphere:
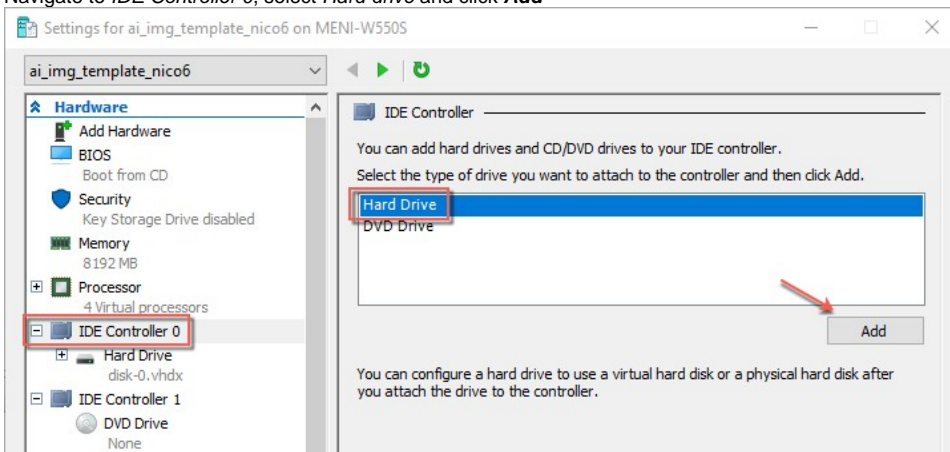
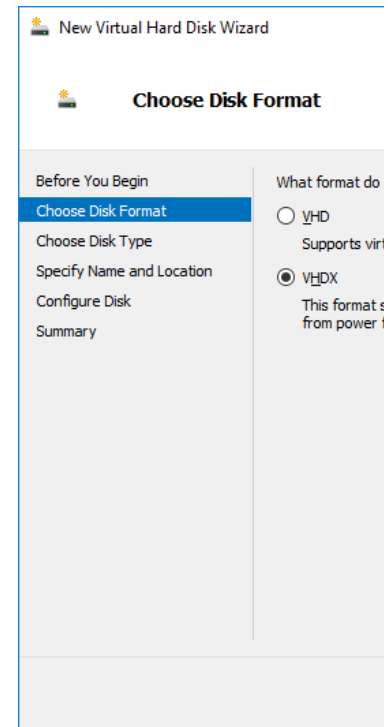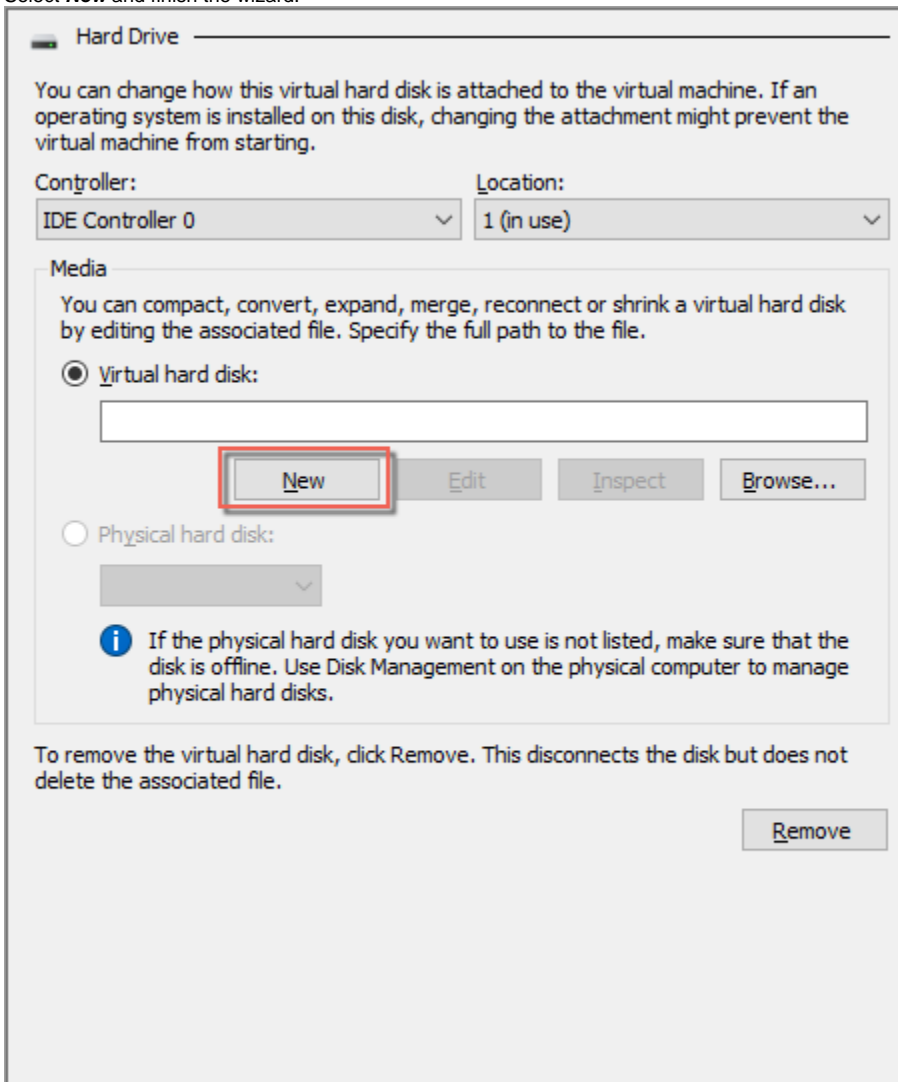Please restart the virtual appliance after adding the new disk.

Extending Hyper-V Disk

To extend the virtual disk, open the virtual machine properties and follow the steps below:
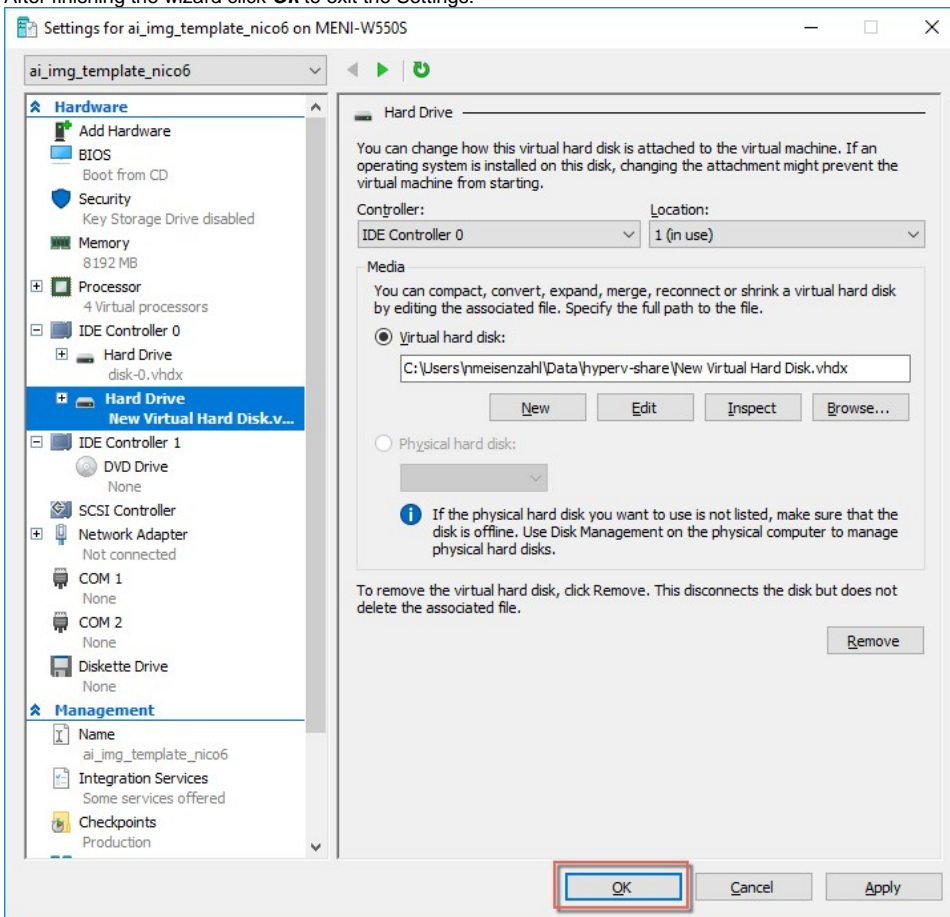
1. Navigate to *IDE Controller 0*, select *Hard drive* and click **Add**

2. Select **New** and finish the wizard:

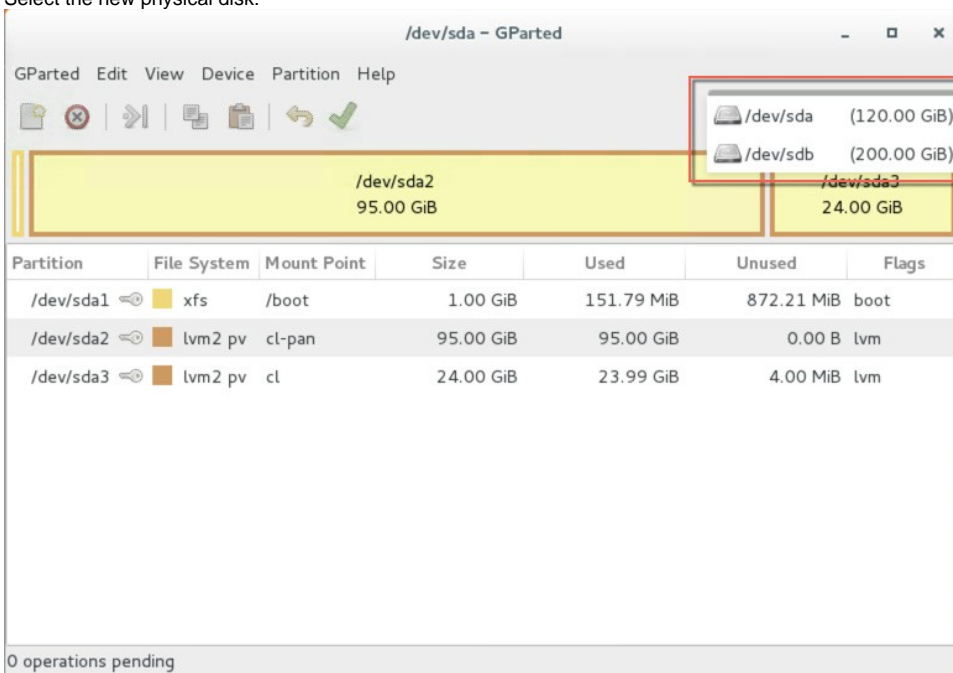3. After finishing the wizard click *Ok* to exit the Settings:

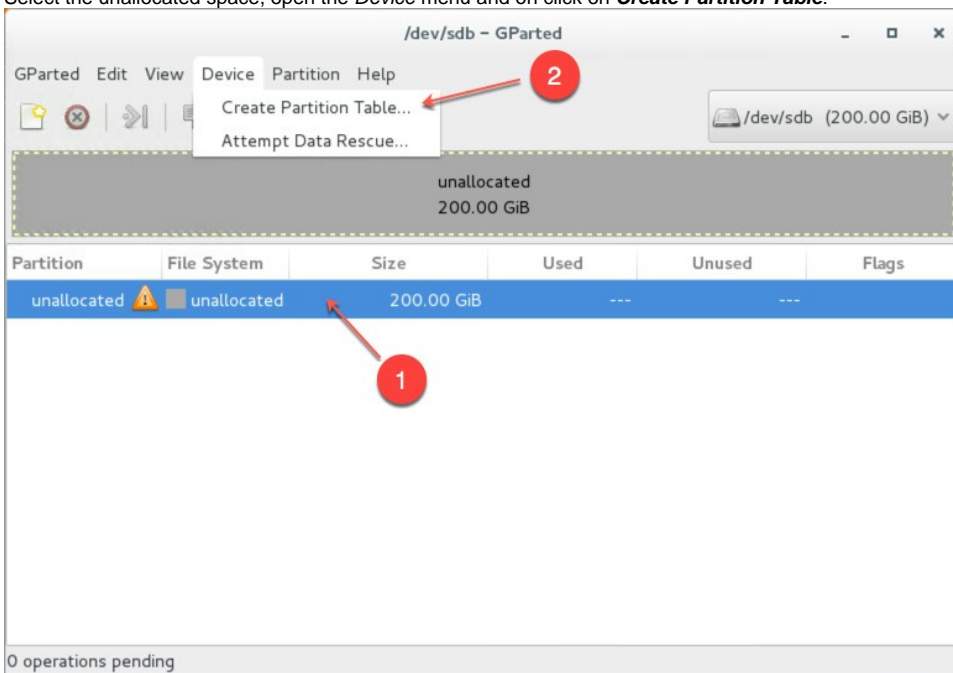Please restart the virtual appliance after adding the new disk.

Enlarging the Partition in the Appliance

1. The easiest way to enlarge a partition in the appliance is to use the installed partition manager **GParted**. Please launch it using the Applications menu (you can also start GParted from the Terminal with "sudo gparted"):
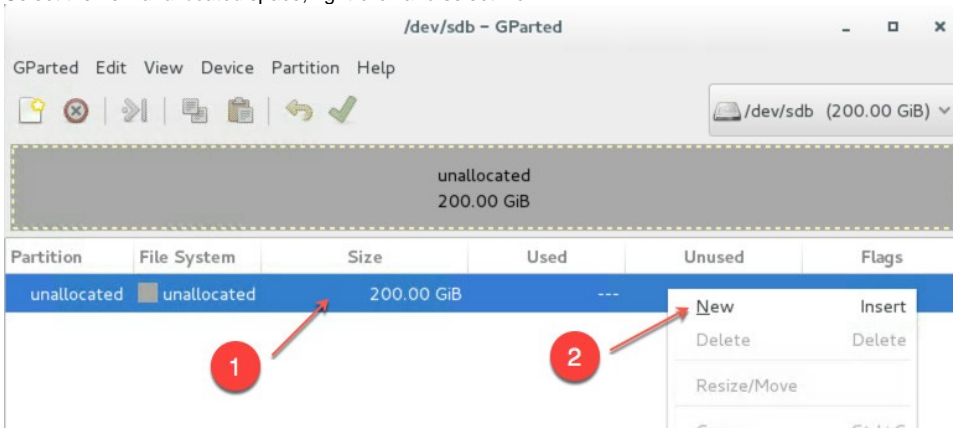
2. Select the new physical disk:

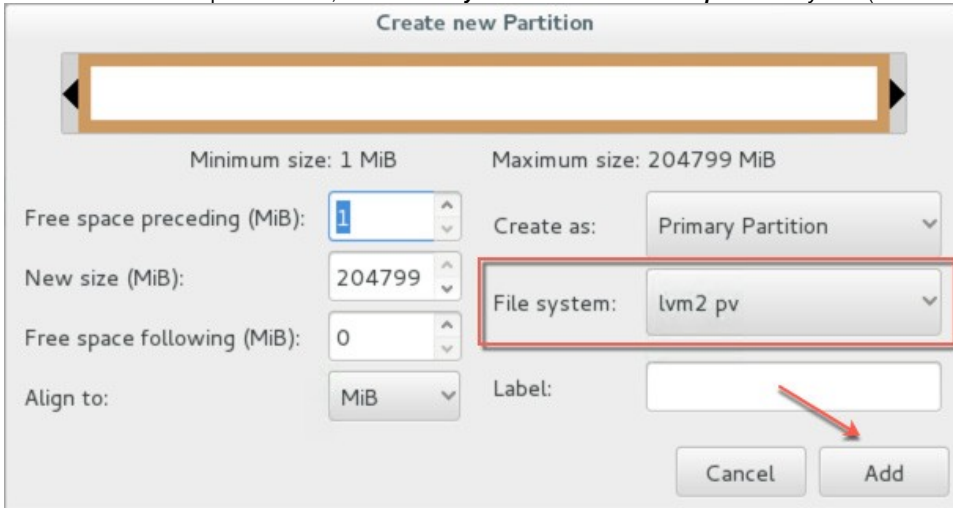3. Select the unallocated space, open the *Device* menu and on click on **Create Partition Table**:

4. Click on *Apply* in the warning:

5. Select the new *unallocated* space, right-click and select *New*:

6. From the *Createas* drop down menu, select **PrimaryPartition** and chose **lvm2pv** as *File system* (if needed, a *Label* can be defined):
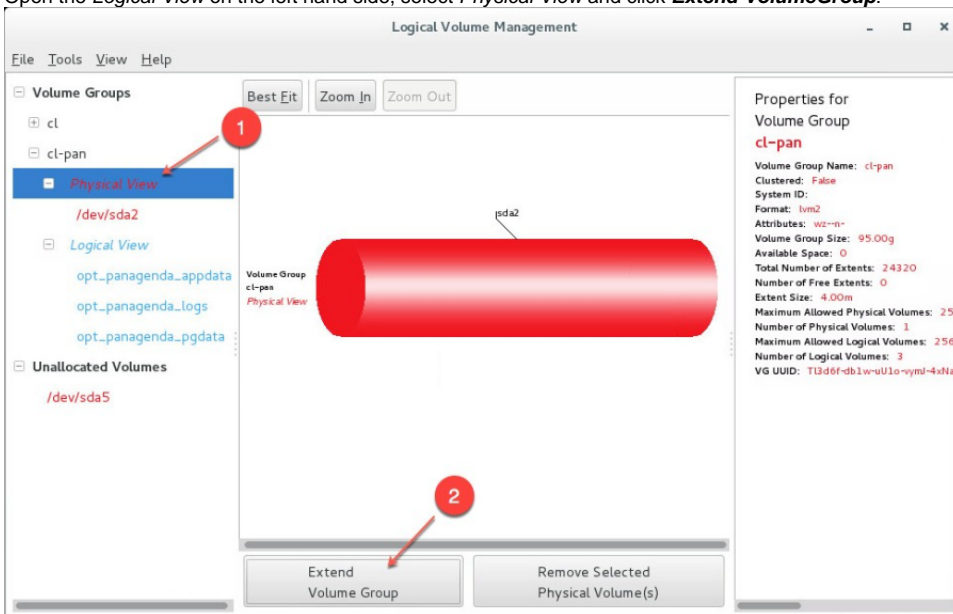

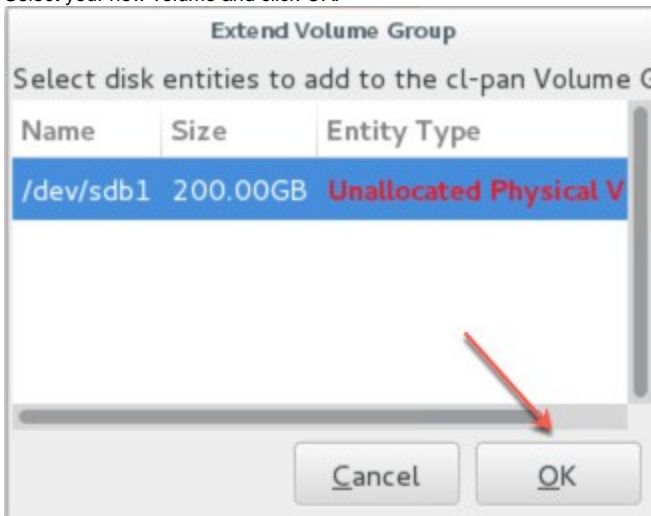7. Save your changes by clicking the **apply button** - also on the popup message

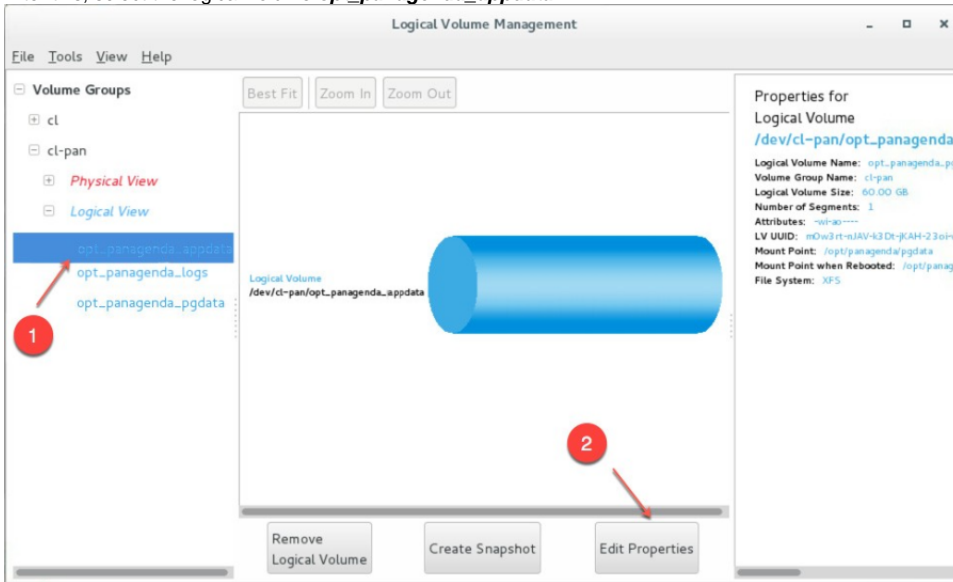8. Start the **Logical Volumes Manager** from the Applications menu

9. Open the *Logical View* on the left hand side, select *Physical View* and click **Extend VolumeGroup**:
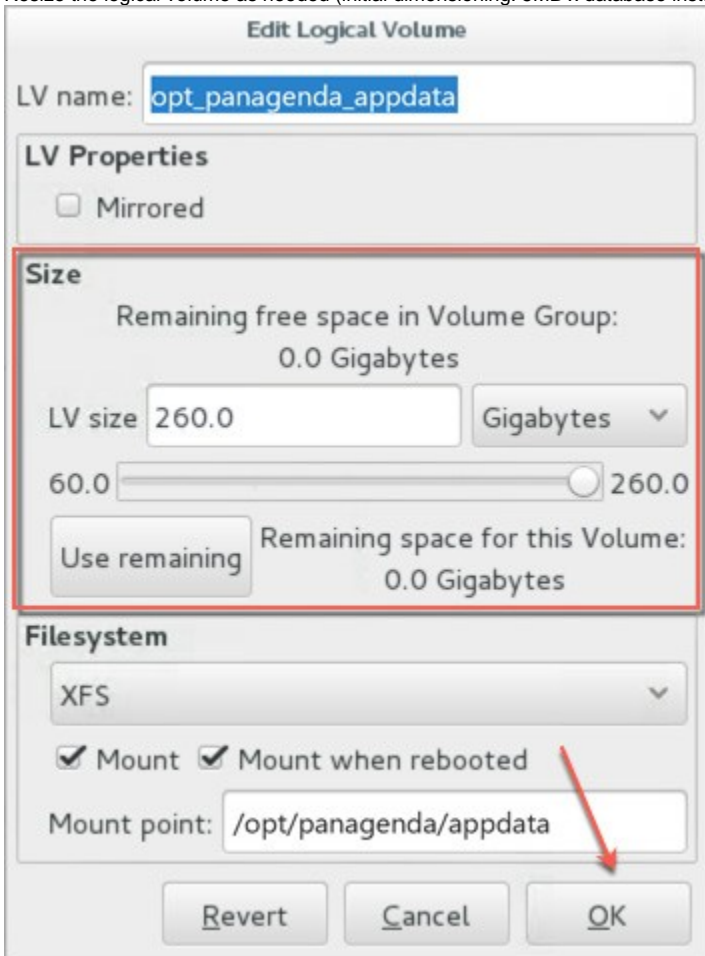

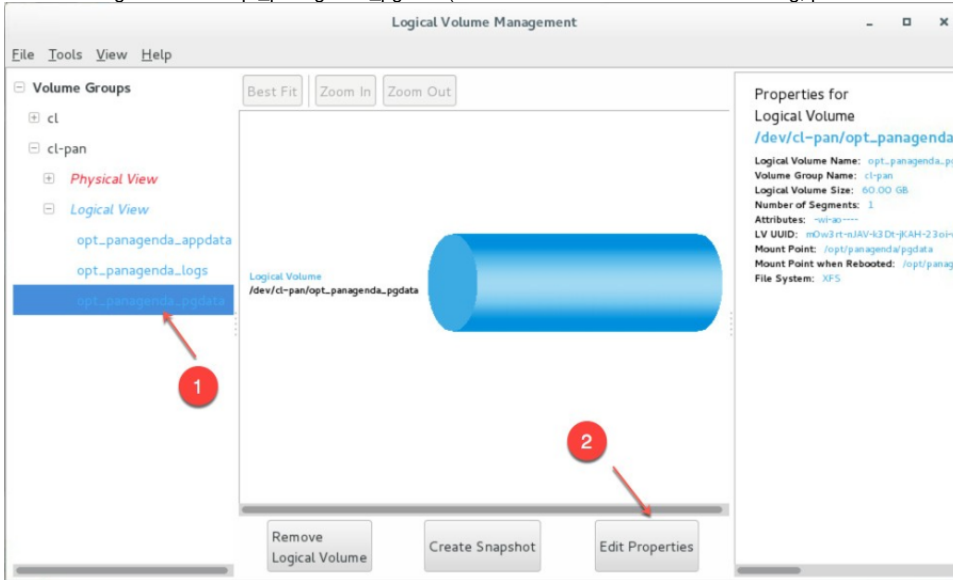10. Select your new volume and click *OK*:

11. After this, select the logical volume **opt_panagenda_appdata**:

12. Resize the logical volume as needed (initial dimensioning: 5MB x database instances - for more details, please refer to the **Setup Guide**):

13. Select the logical volume opt_panagenda_pgdata (for more details on initial dimensioning, please refer to the **Setup Guide**):

14. Resize the logical volume as needed (see step 12)

ⓘ **Tip**

You can repeat this enlargement whenever you need more space.