

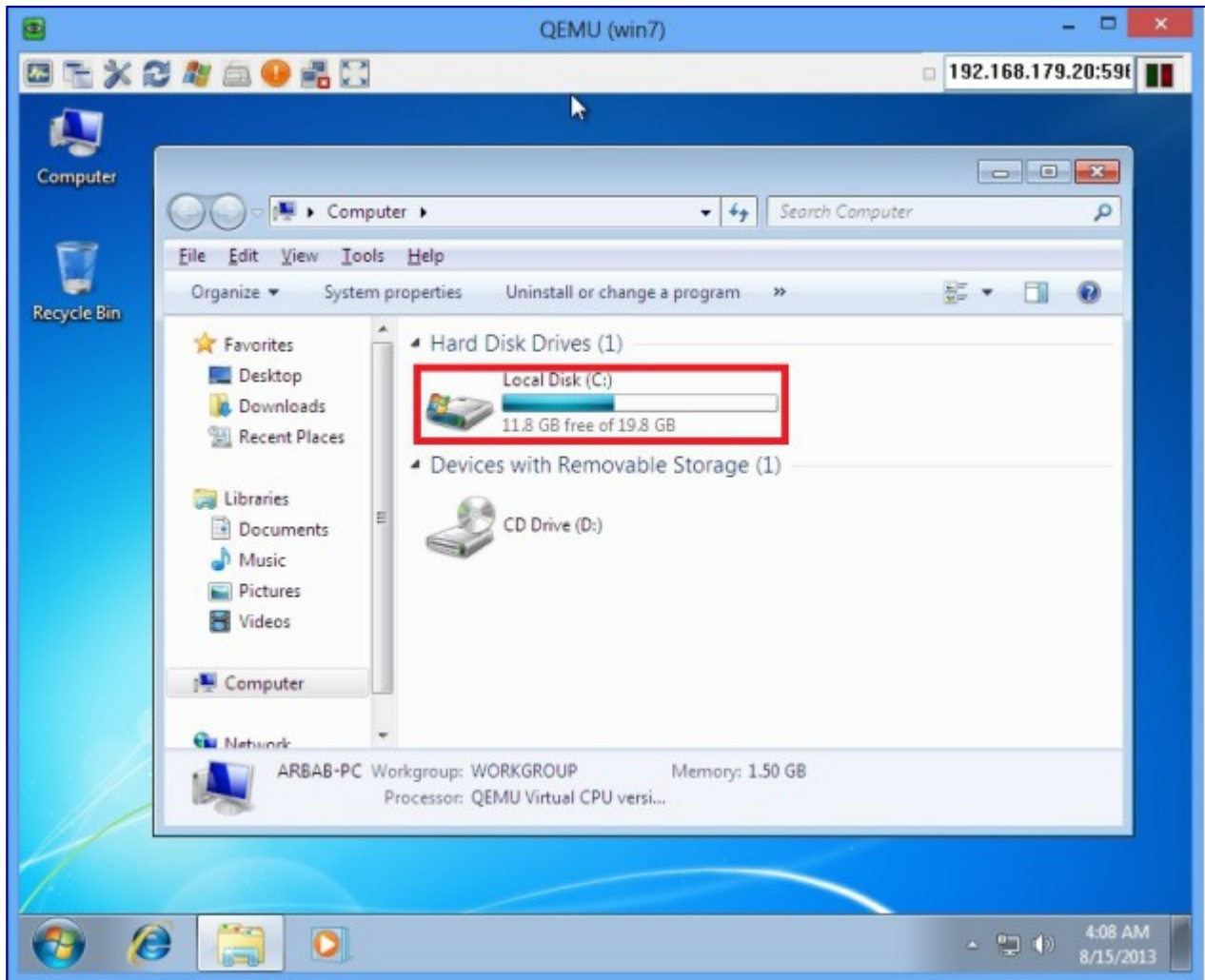
How to resize the KVM Virtual Machine Disk

<http://rbgeek.wordpress.com/2013/08/16/how-to-resize-the-kvm-virtual-machine-disk/>

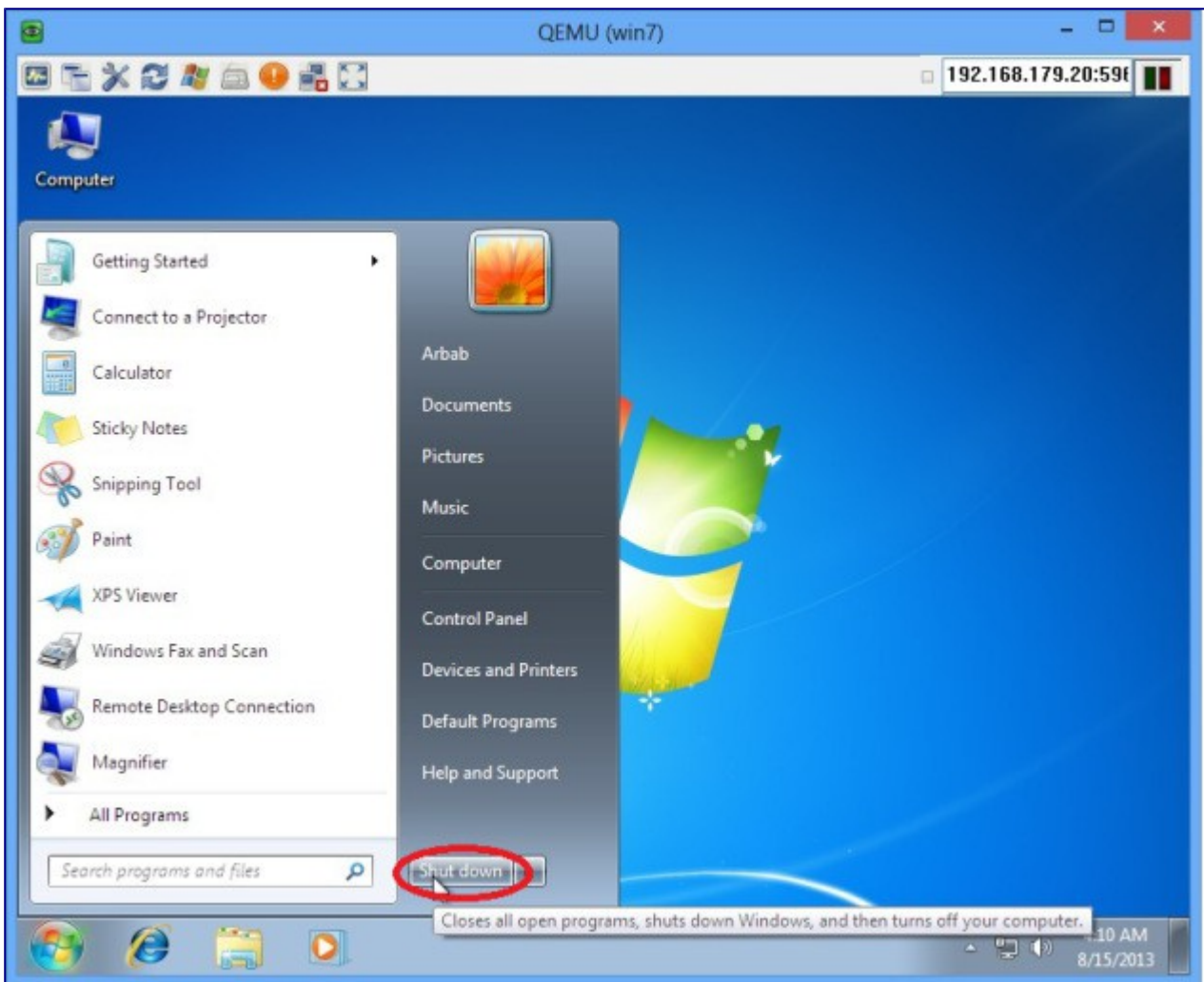
[Leave a comment](#) Posted by [rbgeek](#) on August 16, 2013

In this post I'll show you the steps for resizing the virtual disk without creating a copy or clone of it. Before starting this procedure, I would suggest you backing up any important data on the virtual machine.

Login to the KVM Machine and verify the current hard drive size:

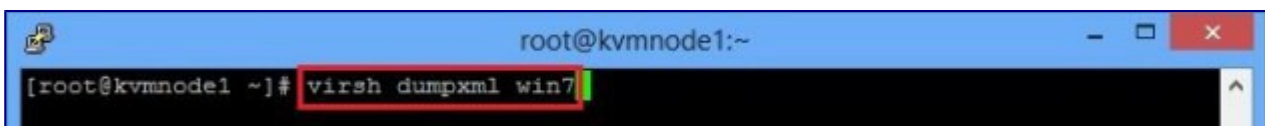


Power off the KVM Machine:



Login to the KVM Host and dump the xml of the desired machine for which you want to resize the disk:

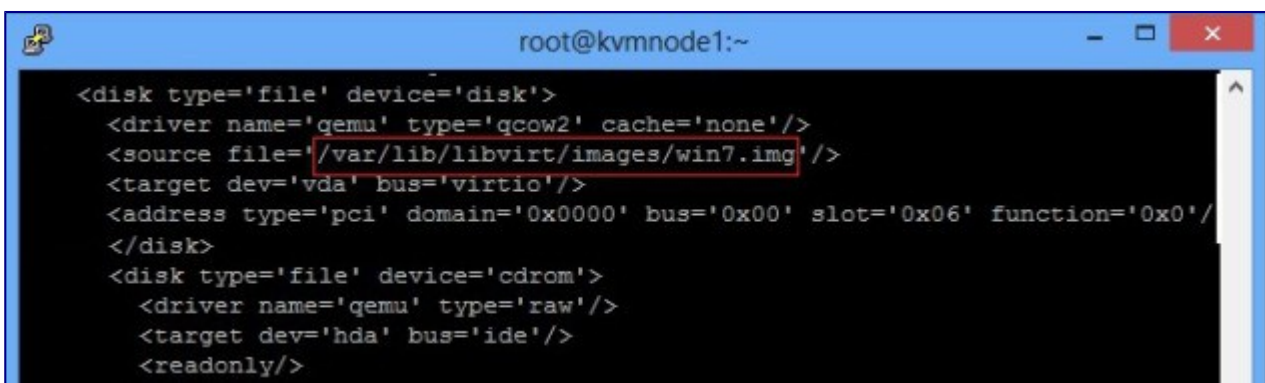
```
virsh dumpxml win7
```



Note: where `win7` is the machine name for which I want to resize the disk.

From the disk part get this information:

1. Disk image name
2. VOL-Pool on which the disk image reside

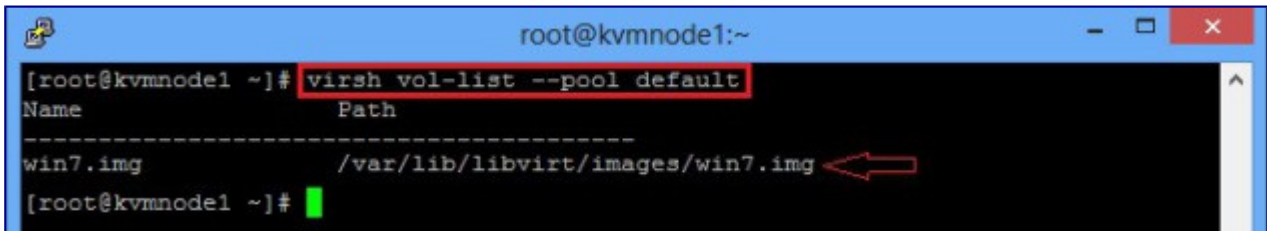


In this case:

1. **win7.img** is the disk image name.
2. It resides on the **default** volume Pool, which is located at **/var/lib/libvirt/images**.

Run the following command to get the volume pool information:

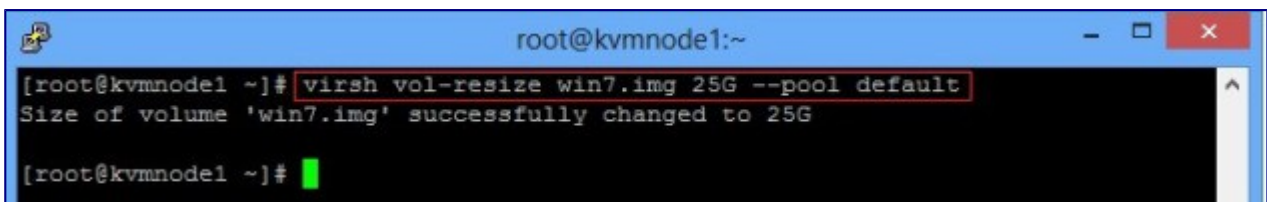
```
virsh vol-list --pool default
```



```
root@kvmnode1:~  
[root@kvmnode1 ~]# virsh vol-list --pool default  
Name          Path  
-----  
win7.img      /var/lib/libvirt/images/win7.img  
[root@kvmnode1 ~]#
```

Run the following command to resize the disk:

```
virsh vol-resize win7.img 25G --pool default
```

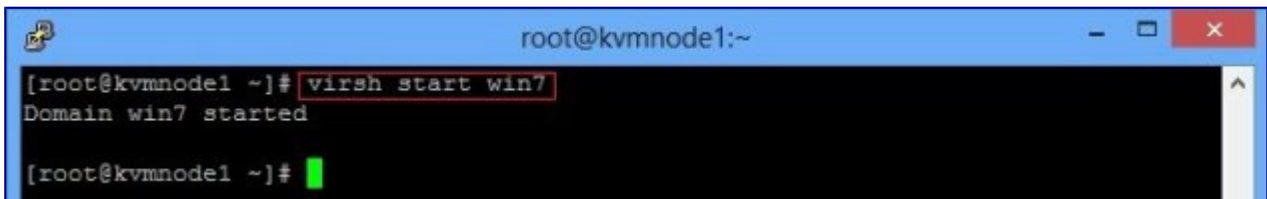


```
root@kvmnode1:~  
[root@kvmnode1 ~]# virsh vol-resize win7.img 25G --pool default  
Size of volume 'win7.img' successfully changed to 25G  
[root@kvmnode1 ~]#
```

Please note, where **win7.img** is the hard drive that we want to extend from **20GB** to **25GB** and it resides on **default** pool.

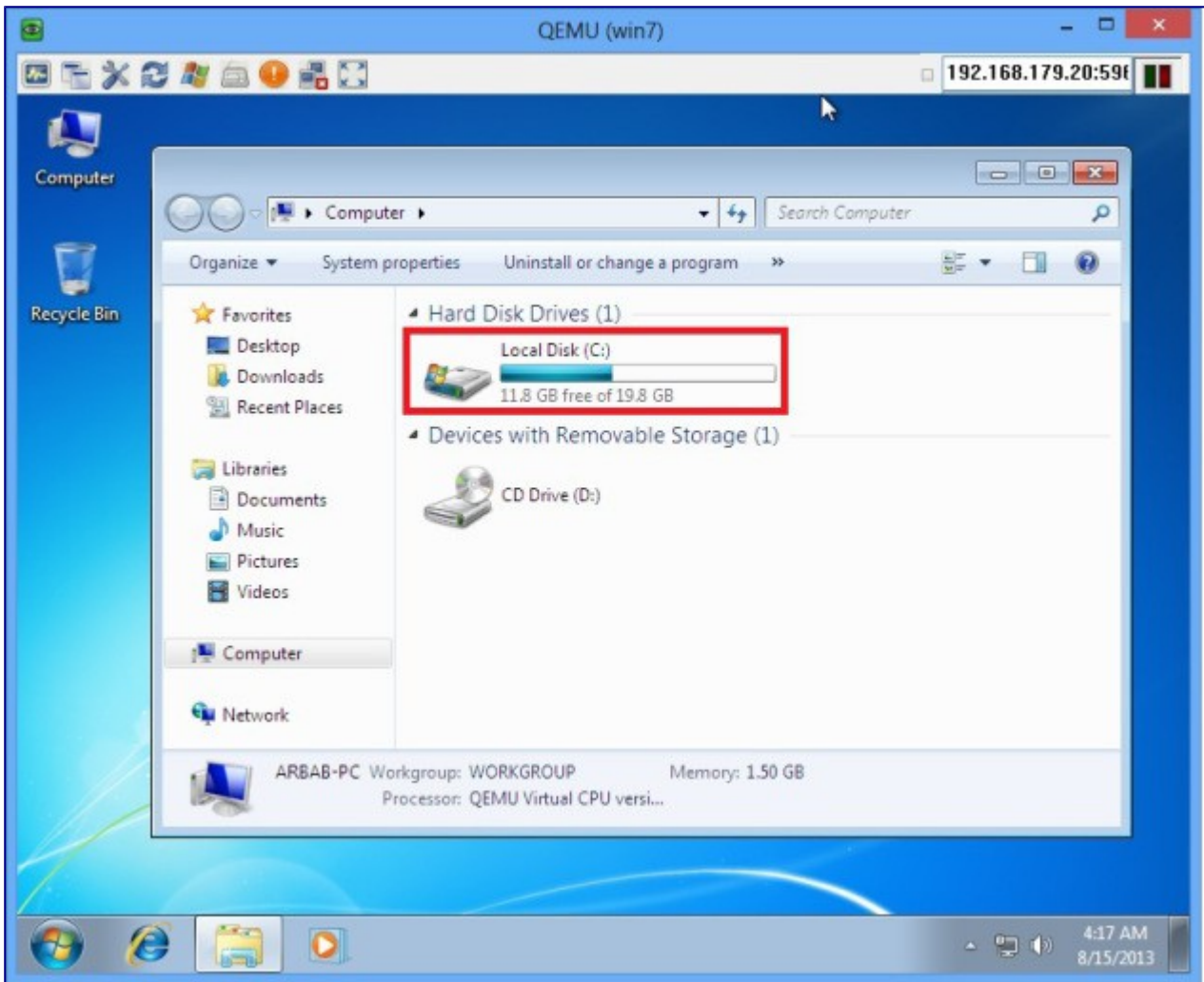
Power on the machine:

```
virsh start win7
```

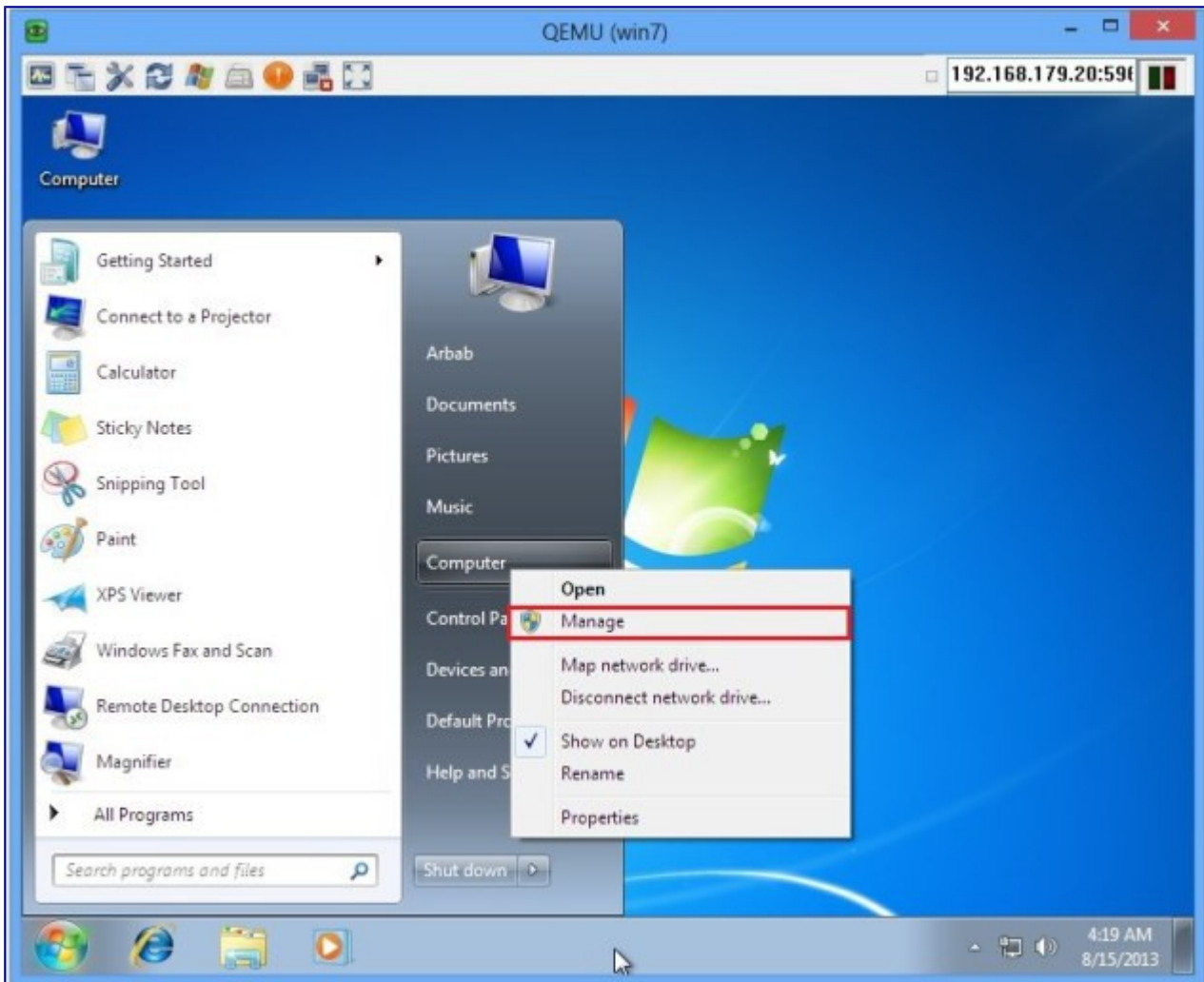


```
root@kvmnode1:~  
[root@kvmnode1 ~]# virsh start win7  
Domain win7 started  
[root@kvmnode1 ~]#
```

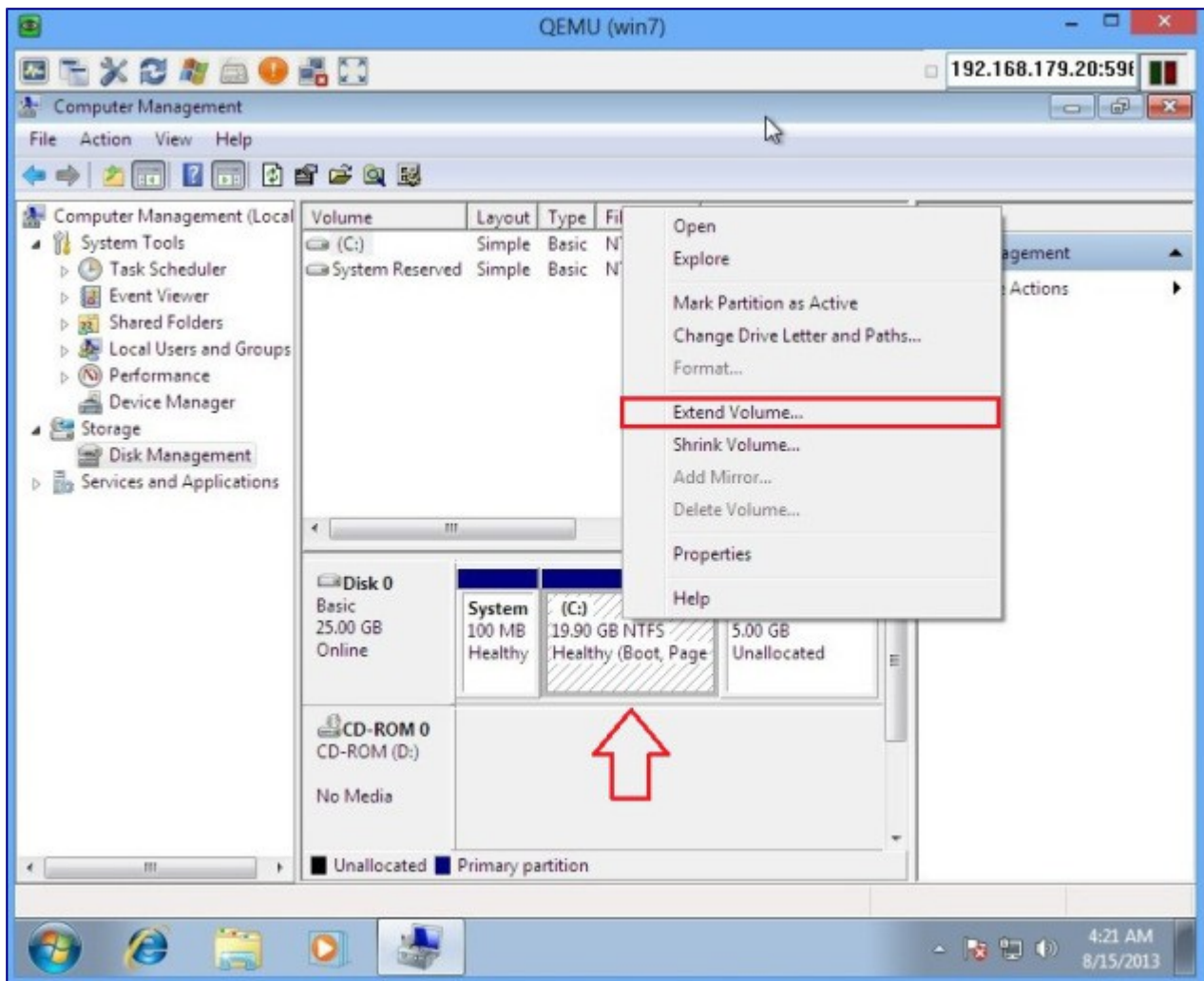
Verify the hard drive size:



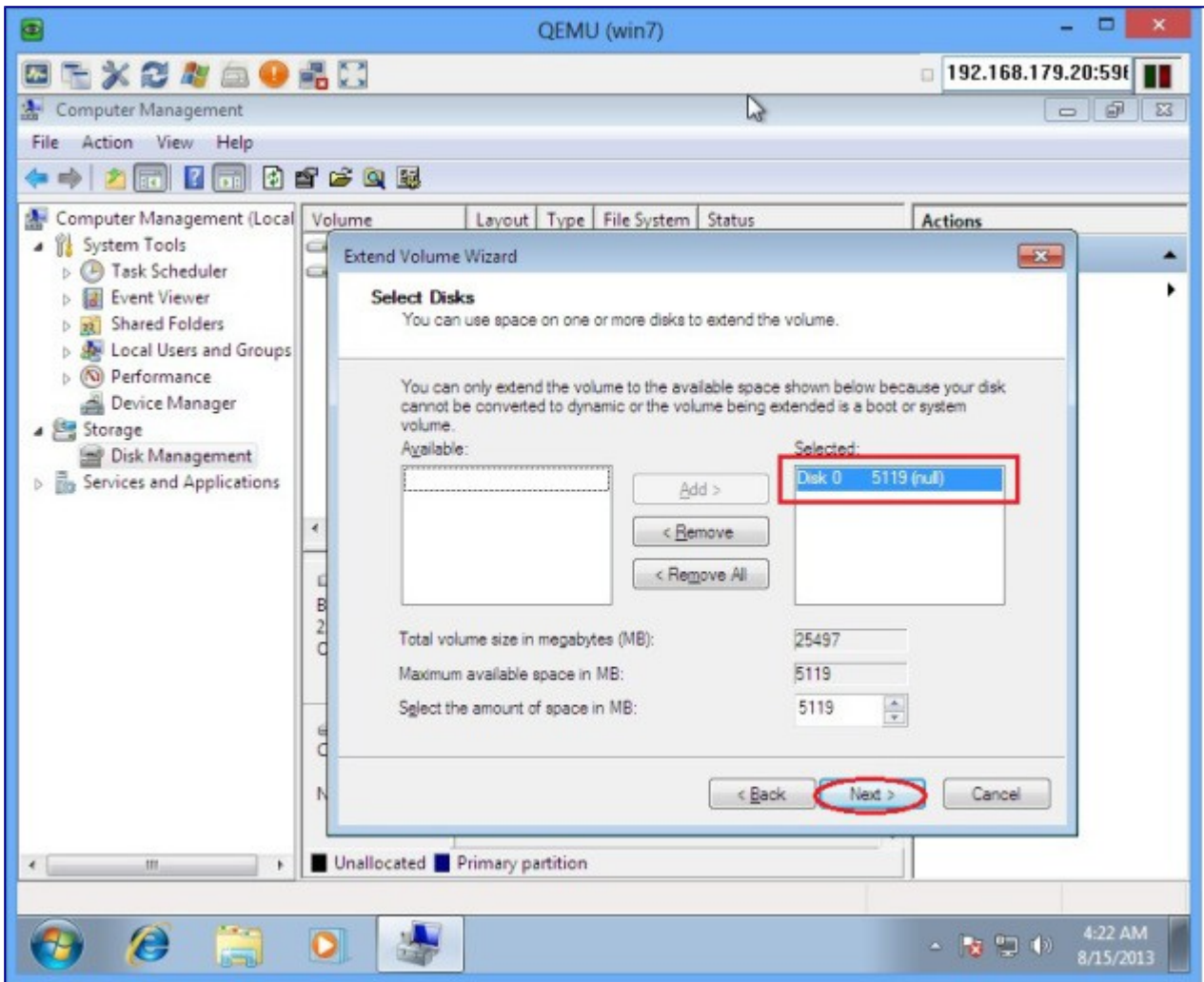
Now we need to extend the disk size through Disk Management :



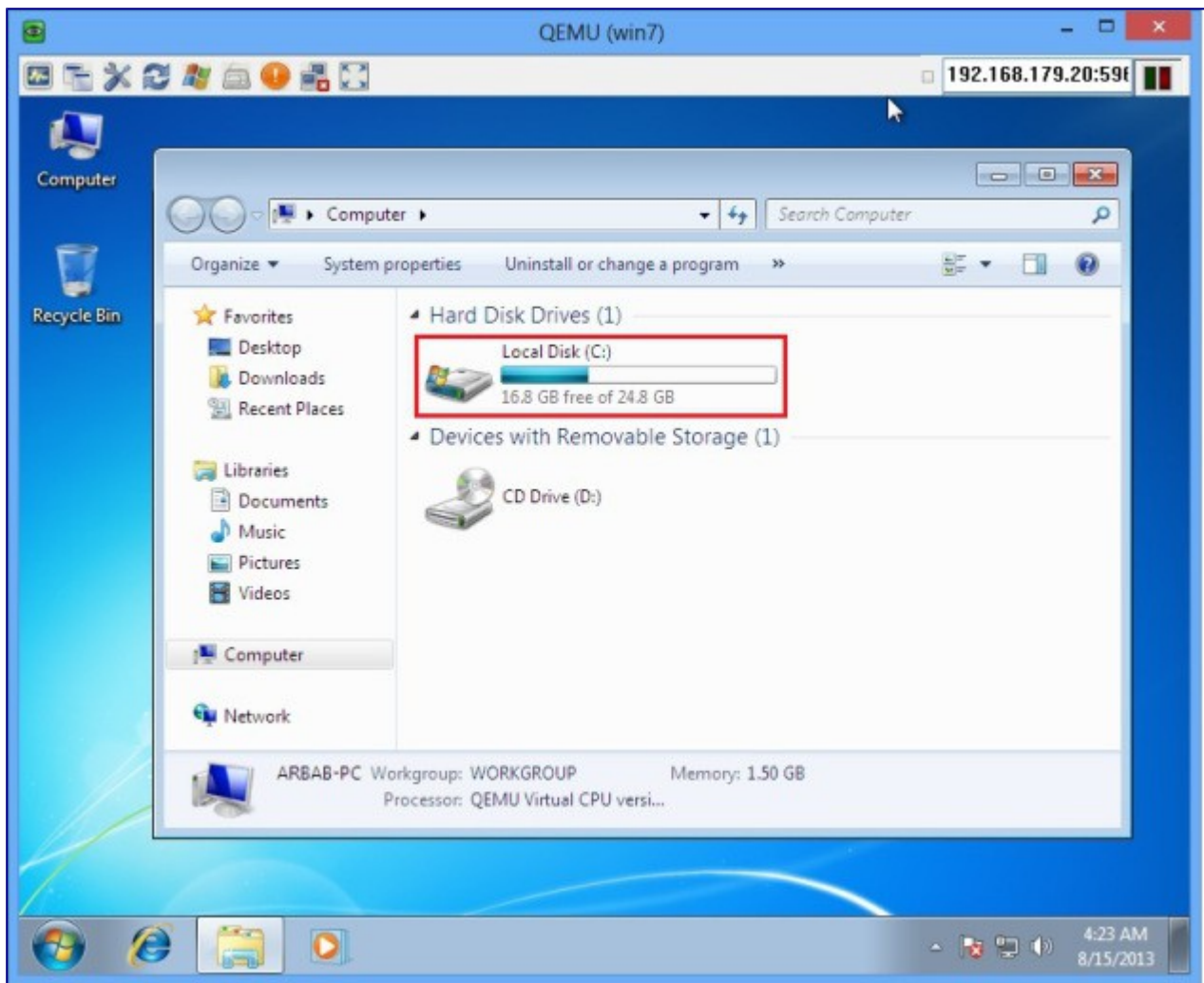
Right-click on the drive which is required to be extended and select the **Extend Volume**:



Use the space bar to select the drive we requires to extend the volume:



Verify the hard drive size after extending the volume:



Enjoy 😊

Hope this will help you!

Please Remember me in your prayers!