# 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:

```
    Disk image name
    VOL-Pool on which the disk image reside
```

```
cot@kvmnode1:~ - -
```

In this case:

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

Run the following command to get the volume pool information:

### virsh vol-list --pool default

B	root@kvmnode1:~	-	×
[root@kvmnodel ~]# Name	virsh vol-listpool default Path		^
win7.img [root@kvmnode1 ~]#	/var/lib/libvirt/images/win7.img		

Run the following command to resize the disk:

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



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

Power on the machine:

## virsh start win7



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:

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	192.168.179	□ 192.168.179.20:59€				
🚡 Computer Management		- 9 X				
File Action View Help						
Computer Management (Local	Volume Layout Type File System Status Actions					
<ul> <li>System Tools</li> <li>Task Scheduler</li> <li>Event Viewer</li> <li>Shared Folders</li> <li>Local Users and Groups</li> <li>Performance</li> <li>Device Manager</li> <li>Storage</li> <li>Disk Management</li> </ul>	Extend Volume Wizard	· ·				
	Select Disks You can use space on one or more disks to extend the volume.	•				
	You can only extend the volume to the available space shown below because your disk cannot be converted to dynamic or the volume being extended is a boot or system volume. Available: Selected:					
Services and Applications	Add > Disk 0 5119 (nul)					
	< <u>Remove</u>					
	C Total volume size in megabytes (MB): 25497 Maximum available space in MB: 5119 Select the amount of space in MB: 5119					
	N Cancel					
< +	Unallocated Primary partition	100				
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Verify the hard drive size after extending the volume:



Enjoy 😀

Hope this will help you!

Please Remember me in your prayers!