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|  | **2014** |
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| **[Virtualbox]** |
| Installation, configuration and management of VirtualBox |

# Resizing (increase) the virtual machine

Show current disk usage  
$ df -h

Resizing (up) in 2 easy step. <https://forums.virtualbox.org/viewtopic.php?f=35&t=50661>  
  
Step 1: Increase the size of the drive.

Use the following command to increase the size of the drive:

**CODE:**[**SELECT ALL**](https://forums.virtualbox.org/viewtopic.php?f=35&t=50661)[**EXPAND VIEW**](https://forums.virtualbox.org/viewtopic.php?f=35&t=50661)

VBoxManage modifyhd <absolute path to file> --resize <size in MB>

Example: I have a 10GB drive that I want to be 20GB the command would be.

**CODE:**[**SELECT ALL**](https://forums.virtualbox.org/viewtopic.php?f=35&t=50661)[**EXPAND VIEW**](https://forums.virtualbox.org/viewtopic.php?f=35&t=50661)

VBoxManage modifyhd <absolute path including the name and extension> --resize 20480

Step 2: Extend the primary partition to include the new drive space.

Download the Gparted live cd or what ever partition manager program you wish and mount it to the guests virtual CD and boot the guest.  
From here you can expand the primary partition to use the new space.

After these 2 steps, start the VM and check the outcome, e.g.  
$ df –h

The outcome will be the same if LVM is used. If so the new diskspace needs to be added the the logical volumes, using the lvm command. The steps are the following.  
Note: LVM is Logical Volume Manager. See Wikipedia for more info <http://en.wikipedia.org/wiki/Logical_Volume_Manager_(Linux)>

After the resize of the physical disk the logical volume still needs to be resized  
Used Link: <http://wiki.centos.org/TipsAndTricks/ExpandLV>

 $ Df –h   
gives status and logical volume names, for me /dev/VolGroup/lv\_root  
Problem was with this “disk”, which was 94% in use.

Next I used from link section: Determine the size of the extended volume  
First get size info and compare that to the info in the link.  
$ sudo lvm vgdisplay  
Next  
$ sudo lvm lvdisplay /dev/VolGroup/lv\_root

Calculate new size (example in above link), for me 6000  
Used from link section: Extending the volume  
$ sudo lvm lvresize -l 6000 /dev/VolGroup/lv\_root

Finally I resized (see link) the file system  
$ sudo resize2fs /dev/VolGroup/lv\_root

The command  
$ Df –h   
now shows the update statistics and my problem disk was now 40% in use.

# Adding an existing vdi

<https://blogs.oracle.com/oswald/entry/importing_a_vdi_in_virtualbox>

# VirtualBox & Wifi

if the host (e.g. Window Vista/7) supports WiFi, the guest OS shall be able to have IP-connectivity through WiFi.  
This thread discusses this from newbie perspectibe:  
<https://forums.virtualbox.org/viewtopic.php?f=2&t=59660>.

The guest OS is not “wifi-aware”. The configured network hardware adapters are virtual and are mapped by the vm (virtualbox) to real-hardware. So I configured from my VM one network adapter.  
I used: NAT + Intel PRO/1000 MT Desktop.  
After starting the VM I didn´t have internet so I did:  
Apparaten -> Netwerk -> Connect Network Adapter.  
After this I can access the internet. So I guess that VirtualBox maps this adapter to the “current used network adapter of the host OS (WiFi or cable).

# VirtualBox & Guest Editions

Installeren guest editions  
Apparaten -> Installeren Gues editiions  
Next follow instructions in Ubuntu  
Restarted VM after which the guest editions worked.