

Increasing the C-MOR data partition of a virtual C-MOR

This document describes how to make a C-MOR disk bigger. This is often required if the pre-configured C-MOR images for virtualization were installed.

Please resize your partition in the virtual environment prior starting the resize of the partition as described here. Only resizing to a bigger disk is supported.

Download the RescueCD from <u>http://www.system-rescue-cd.org/</u>. Connect the ISO Image or the CD/USB to your C-MOR and boot from it. Select 1. From the boot menu:

) SystemRescueCd: default boot options	
) SystemRescueCd: all files cached to memory (docache)	
) SystemRescueCd: framebuffer console in high resolution	
) SystemRescueCd: do not ask for keyboard, use US keymap	
) Boot an existing Linux system installed on the disk	
) SystemRescueCd: directly start the graphical environment	
) Run system tools from floppy disk image	≥
) Standard 32bit kernel (rescue32) with more choice	≥
) Standard 64bit kernel (rescue64) with more choice	>
) Boot from first hard disk	
) Boot from second hard disk	
) SystemRescueCd: all files cached to memory (docache)) SystemRescueCd: framebuffer console in high resolution) SystemRescueCd: do not ask for keyboard, use US keymap) Boot an existing Linux system installed on the disk) SystemRescueCd: directly start the graphical environment) Run system tools from floppy disk image) Standard 32bit kernel (rescue32) with more choice) Standard 64bit kernel (rescue64) with more choice) Boot from first hard disk) Boot from second hard disk

Automatic boot in 59 seconds...

Press ITABL to edit options or <F2>,<F3>,<F4>,<F5>,<F6>,<F7> for help

Boot standard kernel with default options (should always work). You should use this entry if you don't know which one to use. You can press [TAB] and add extra boot options after rescue32 or/and rescue64 if required



Select your keyboard layout:

[1.904933] Freeing unused kernel memory: 25300K
[1.921222] Write protecting the kernel read-only data: 20480k
[1.923027] Freeing unused kernel memory: 2020K
[1.928589] Freeing unused kernel memory: 1616K
[1.934009] x86/mm: Checked W+X mappings: passed, no W+X pages found.
[1.934767] x86/mm: Checking user space page tables
[1.939981] x86/mm: Checked W+X mappings: passed, no W+X pages found.
[1.940541] rodata test: all tests were successful
>> Loading kernel modules
>> Waiting 1 seconds
>> Loading keymaps
Please select a keymap from the following list by typing in the appropriate
name or number. You should prefer the name to the number (for example
type 'fr' instead of '16'). Hit Enter for the default 'us' keymap.
1 azerty 2 be 3 bg 4 br-a 5 br-1 6 by 7 cf
8 croat 9 cz 10 de 11 dk 12 dvorak 13 es 14 et
15 fi 16 fr 17 qr 18 hu 19 il 20 is 21 it
22 jp 23 la 24 Ĩt 25 mk 26 nl 27 no 28 pl
29 pt 30 ro 31 ru 32 se 33 sq 34 sk-y 35 sk-z
36 slovene 37 trf 39 ua 40 uk 41 us 42 wangbe 43 fr CH
44 speakup 45 cs CZ 46 de CH 47 sq-lat1 48 fr-bepo 49 colemak 50 de neo
default choice (US keymap) will be used if no action within 20 seconds
<< Load keymap (Enter for default):

Start the X Windows environment by entering "startx":

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	Type net-setup eth0 to specify ethernet configuration. If your PC is on an ethernet local network, you can configure by hand: — ifconfig eth0 192.168.x.a (your static IP address) — route add default gw 192.168.x.b (IP address of the gateway)
	To be sure there is an ssh server running, type /etc/init.d/sshd start . You will need to create an user or to change the root password with passwd .
	Available console text editors : nano, vim, qemacs, zile, joe. Web browser in the console: elinks www.web-site.org.
	Ntfs-3g : If you need a full Read-Write NTFS access, use Ntfs-3g. Mount the disk: ntfs-3g /dev/sda1 /mnt/windows
	Graphical environment : Type startx to run the graphical environment X.Org comes with the XFCE environment and several graphical tools: - Partition manager:.gparted - Web browsers:firefox - Text editors:gvim and geany
rı	oot@sysresccd /root % startx



Open a X-Terminal Window and start the program "gparted" to resize the data partition:

Terminal 🔶 🗖 🕹 🕹
File Edit View Terminal Tabs Help
oot@sysresccd /root % gparted



/dev/sda - GParted				1			+ _ □ ×
<u>G</u> Parted <u>E</u> dit <u>V</u> iew <u>D</u> evice <u>P</u> artition <u>H</u> elp							
🕒 😣 🛔	M 🗗 💼	6			l	🔔 /dev	/sda (40.00 GiB) 🔻
				u 1	nallocated 0.00 GiB		
Partition	File System	Size		Used	Unused		Flags
/dev/sda1	ext3	109.79 MiB		9.01 MiB	100	.78 MiB	
/dev/sda2	ext3	156.88 MiB		33.24 MiB	3 123.65 MiB boot		boot
/dev/sda3	linux-swap	2.01 GiB		0.00 B	3 2.01 GiB		
/dev/sda4	xfs	New	Insert	987.24 MiB	26	5.77 GiB	
unallocated	unallocated	🗵 <u>D</u> elete	Delete				
		➢ Resize/Move					
		Е <u>С</u> ору	Ctrl+C				
		Paste	Ctrl+V				
		♣ Eormat to	•				
		Mount					
		Name Partition					
		Manage Flags					
0 operations pe	nding	C <u>h</u> eck					///
		Label File System					
		New UUID					
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Select the partition "/dev/sda4", open the context menu and select "Resize/Move":



Resize it by holding the black right thangle with your mouse and move it to the righ	Resize it l	it by holding the bl	ack right triangle	with your mouse and	I move it to the right
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Resize/Move /dev/s	da4 🔶 🛧 🗙
Minimum size: 28397 MiB M. Free space preceding (MiB):	aximum size: 38638 MiB
New size (MiB): Free space following (MiB):	28397
Align to:	MiB 🗘

The increased partition:

	Resize/Move/dev	//sda4		4	X
Minimum size: Free sp New siz Free sp Align to	28397 MiB ace preceding (MiB e (MiB): ace following (MiB)	Maximum size:): 38638 : 0 MiB	38638	MiB	
		<u>e</u> an	cel	📎 Resize/M	ove

Click "Resize/Move" to confirm the changes.



🖻 /dev/sda - GParted 🔶 🛧 💶 🗙								
<u>G</u> Parted <u>E</u> dit <u>V</u> iew <u>D</u> evice <u>P</u> artition <u>H</u> elp								
🖹 🛞 [21 B	1 🕤 🌏 🏒			'dev/sda (40.00 GiB) ▼			
/dev/sda4 37.73 GiB								
Partition	File System	Size	Used	Unused	Flags			
/dev/sda1	ext3	109.79 MiB	9.01 MiB	100.78 M	liB			
/dev/sda2	ext3	156.88 MiB	33.24 MiB	123.65 M	liB boot			
/dev/sda3	linux-swap	2.01 GiB	0.00 B	2.01 G	iB			
/dev/sda4 xfs 37.73 GiB 987.23 MiB 36.77 GiB								
Image: Solution of the second seco								
1 operation pending								
 (a) [2018-02-14] (b) [2018-02-14] (c) [2018-02-14] (c) [2018-02-14] (c) [2018-02-14] 								

The new disk space looks changed like this:



Confirm the changes by leaving gparted through the "GParted" menu. Click "Apply":



Exit gparted, remove the CDROM from your C-MOR and reboot. Finished.